## 1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years (10)

	Course Code	development	Year of introduction (during the last five years)	Link to the relevant document
Basic Civil Engineering & Mechanics	100020	Building Materials, applications of remote sensing, measurement of area volume, shear force bending moment	2017	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf
Building Materials & Construction	110311	Fresh and Hardened concrete, damp prevention, anti termite treatment, water proofing	2016	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf
Fluid Mechanics - I	110312	Flow measurement, stoke's law, dimensional analysis	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf
Surveying	110313	Traversing, curve setting, linear and angular measurement	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Strength of Materials	110314	Stress Strain, euler's buckling load	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf
Survey Practice Lab	110315	Traversing by total station, Profiling of road	2018	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Summer Internship Project - I	110317	Students work on in house projects under various domains.	2018	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf

Estimating, Costing & Contracting	110501	rate analysis, preparation of detailed estimates of buildings, contract	2019	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Structural Design & Drawing (RCC)	110502	design of beams, slabs, columns, footings, staircases	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Fluid Mechanics - II	110503	pipe flow problems, uniform flow in open channels	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf
Transportation Engineering	110505	geometric design of highways, traffic studies, design of flexible and rigid pavements	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Minor Project - I	110506	students work on various field based problems, case study, experimental studies etc	2019	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Summer Internship Project - II	110507	students work on improving their soft skills	2019	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Environmental Engineering	110509	water treatment plant design, design of distribution system, sewage treatment	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Advanced Structural Design (RCC)	110713	design of water tanks, bridges, prestressed concrete	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Hydraulic Structure	110714	spillways, energy dissipators, cross drainage works	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf

Advanced Structural Analysis	110715	analysis of tall frames, introduction to softwares for analysis	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Wastewater Treatment & recycling	110754	waste water treatment technquies, recycling of waste water	2021	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Introduction to Multimodal Urban Transportation Systems	110755	Planning of urban transportation systems, NMT system	2021	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf
Infrastructure Planning & Management	110756	Construction & Economic Risks, Flexible Project Arrangements, Stakeholder Management	2021	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Integrated Waste Management for Smart City	900201	energy recovery from municipal solid waste, leachate management, biomedical, plastic, ewaste management	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Project Planning & Control	900202	network techniques in project planning & management, resource planning, cost control	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Urban Planning & Transportation Systems	900213	planning of urban transportation systems, intelligent systems	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Software Application for Solving Civil Engineering Problems	110701	Study on Prima Vera, STADD Pro & MATLAB	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Summer Internship Project - III	110702	Field oreinted case studies like bridge, overhead tanks, highway and multistorey buildings, etc	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf

Creative Problem Solving	110703	Providing engineering solutions of critical problems	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Computational Techniques	510111	Game Theory, Theory of Probability, Z transform	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Construction Materials, Machines & Techniques	510121	Concrete mix design, special concrete, prefabrication	2021	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf
Contract Management	510113	claims & arbitrations, construction contracts BOT projects	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Maintenance Management	510114	Provision of NBC, Plumbing services	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Infrastructure Development	510115	strategic issues in infrastructure development, risk management in infrastructure project	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Formwork for Concrete Structures	510116	formwork for special structures, formwork managment	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Organizational Behaviour & Management	800108	group dynamics, comparative management styles and approaches	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Safety & Quality Management	800109	quality standards, ISO, Quality improvement	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf

Construction Lab	510119	tests in concrete, CBR test of soil	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
		,		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Urban Governance & Development	800308	Metropolitan Planning, Dealing challenging	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
Managememt		urban issues		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Disseration Part-I	510311	student carry out their research work in various	2013	https://web.mitsgwalior.in/images/Departments/Civil/s
		areas		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Environmental Chemistry &	530111	instrumental methods of analysis, microbiology	2014	https://web.mitsgwalior.in/images/Departments/Civil/s
Microbiology		of water and waste water		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Solid & Hazardous Waste	530112	energy recovery from municipal solid waste,	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
Management		leachate management, biomedical, plastic,		cheme%20syllabus/change%20as%20per%20NAAC/Syll
		ewaste management		abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Advanced Treatment Process - I	530113	sewage treatment techniques, sewage disposal	2014	https://web.mitsgwalior.in/images/Departments/Civil/s
(Waste Water Engineering)				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf
Industrial Waste Management	530114	Tretament of various industrial wastes, like	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
		textile, paper pulp etc		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Environmental Auditing &	530115	environmental management system approaches,	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
Management System		EMAS, CSR		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Environmental Hydraulics	530116	Pollution transport in surface water	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf

Sustainable Waste Management	800110	low cost sanitation methods, green design	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
System				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Environmental Engineering Lab	530118	water and waste water quality analysis	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Trace & Ultra Trace Analysis of	800309	Application of AAS techniques	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
Metals using Atomic Absorption				cheme%20syllabus/change%20as%20per%20NAAC/Syll
Spectrometry				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Dissertation Part - I	530311	student carry out their research work in various	2014	https://web.mitsgwalior.in/images/Departments/Civil/s
		areas		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Building Planning & Design	110211	Green Buildings, NBC provisions, building bye	2018	https://web.mitsgwalior.in/images/Departments/Civil/s
		laws		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Basic Civil Engineering Lab	100026	determination of setting time of cement,	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
		compressive strength of cement		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf
Geotechincal Engineering - I	110411	permeability of soil, stress distribution in soil,	2013	https://web.mitsgwalior.in/images/Departments/Civil/s
		shear strength of soil		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Theory of Structure - I	110412	analysis of beams & frames by various methods	2013	https://web.mitsgwalior.in/images/Departments/Civil/s
				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Transportation Engineering	110413	geometric design of highways, traffic studies,	2013	https://web.mitsgwalior.in/images/Departments/Civil/s
		design of flexible and rigid pavements		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf

Water Resources Engineering	110414	Flood estimation, hydrograph analysis, design of	2019	https://web.mitsgwalior.in/images/Departments/Civil/s
		canals		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Civil Drawing Lab	110415	drawing of building elements on AutoCAD	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Structural Design & Drawing (Steel)	110602	design of tension members, compression	2013	https://web.mitsgwalior.in/images/Departments/Civil/s
		members, plate girders, built up beams		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf
Solid Waste Management	110612	collection of solid waste, treatment and disposal	2019	https://web.mitsgwalior.in/images/Departments/Civil/s
		of waste, waste to energy, plastic waste, ewaste		cheme%20syllabus/change%20as%20per%20NAAC/Syll
		management		abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Construction Planning &	110613	time cost optimization using network techniques	2017	https://web.mitsgwalior.in/images/Departments/Civil/s
Management				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Railway, Airport & Tunnel	110614	geometrical design, curves, railway stations, airport	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
Engineering		planning, construction of tunnels		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf
Geotechnical Engineering - II	110652	Shallow foundations, deep foundations, pile	2019	https://web.mitsgwalior.in/images/Departments/Civil/s
(Foundation Engineering)		foundations'		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Concrete Technology	110654	Fibre reinforced concrete, self compacting	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
		concrete, concrete mix design		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Air Pollution & Control	110655	air pollution control techniques, air quality	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
		monitoring		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf

Disaster Management	100007	disaster impacts, disaster risk reduction	2019	https://web.mitsgwalior.in/images/Departments/Civil/s
				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Minor Project - II	110607	students work on various field based problems,	2019	https://web.mitsgwalior.in/images/Departments/Civil/s
		case study, experimental studies etc		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Building Services & Maintenance	900120	Provision of NBC, Plumbing services	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf
Sustainable Materials & Green	900121	Green buidlings, provisions of LEED, GRIHA	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
Building				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Safety in Construction	110851	OSHA regulations, BIM, Safety practices in	2020	https://web.mitsgwalior.in/images/Departments/Civil/s
		Construction		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Environmental Impact Assessment	110855	Planning & developing of EIA reports	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf
Rock Engineering	110856	Rock slope stability analysis, tunneling	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
				cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Strategies for Sustainable Design	110857	Sustianable design of buildings, uses of various	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
		tools like SPSS etc		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022 compressed.pdf
Scientific Computing Using Matlab	110858	numerical solution to ODE, curve fitting &	2021	https://web.mitsgwalior.in/images/Departments/Civil/s
		interpolation		cheme%20syllabus/change%20as%20per%20NAAC/Syll
				abus%20employbaility%20civil%202021-
				2022_compressed.pdf

Air Pollution & Control	900629	air pollution control techniques, air quality monitoring	2021	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Rural Water Resources Management	900630	Solving case studies in rural water resource management	2021	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Internship / Project	110801	work on field based projects	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf
Professional Development	110802	overall evaluation of capabilities of students	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Project Economics & Financing	510211	capital budgeting, project risk, financial accounting	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Construction Cost Management	510212	multi criteria decision making methods, multi objective optimization methods	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Construction Project Management	510213	network techniques in project planning & management, resource planning, cost control	2013	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Safety in Construction	510217	OSHA regulations, BIM, Safety practices in Construction	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Strategies for Sustainable Design	510218	Sustianable design of buildings, uses of various tools like SPSS etc	2021	https://web.mitsgwalior.in/images/Departments/Civil/s cheme%20syllabus/change%20as%20per%20NAAC/Syll abus%20employbaility%20civil%202021- 2022_compressed.pdf

Sustainable Materials & Green Building	800208	Green buidlings, provisions of LEED, GRIHA	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-
Computational Laboratory for Construction Management	510219	MATLAB, Prima Vera, BIM	2020	2022 compressed.pdf https://web.mitsgwalior.in/images/Departments/Civil/s cheme%20syllabus/change%20as%20per%20NAAC/Syll abus%20employbaility%20civil%202021-
Dissertation - II	510405	student carry out their research work in various areas	2013	2022 compressed.pdf  https://web.mitsgwalior.in/images/Departments/Civil/s cheme%20syllabus/change%20as%20per%20NAAC/Syll abus%20employbaility%20civil%202021-
Air Pollution & Noise Pollution	530211	air pollution control techniques, air quality monitoring, noise pollution control	2014	2022_compressed.pdf https://web.mitsgwalior.in/images/Departments/Civil/s cheme%20syllabus/change%20as%20per%20NAAC/Syll abus%20employbaility%20civil%202021- 2022_compressed.pdf
Advanced Treatment Process - II (Water Supply Engineering)	530212	water treatment plant design, design of distribution system	2014	https://web.mitsgwalior.in/images/Departments/Civil/s cheme%20syllabus/change%20as%20per%20NAAC/Syll abus%20employbaility%20civil%202021- 2022 compressed.pdf
Environmental Impact Assessment & Ethics	530213	Planning & developing of EIA reports	2014	https://web.mitsgwalior.in/images/Departments/Civil/s cheme%20syllabus/change%20as%20per%20NAAC/Syll abus%20employbaility%20civil%202021- 2022 compressed.pdf
Strategies for Sustainable Design	530216	Sustianable design of buildings, uses of various tools like SPSS etc	2021	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Global Climatic Changes & Disaster Management	800209	Climate modelling, disaster mitigation	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Advanced Environmental Engineering Lab	530217	air quality analysis, AAS analysis	2020	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022_compressed.pdf

Dissertation - II	530405	student carry out their research work in various areas	2014	https://web.mitsgwalior.in/images/Departments/Civil/scheme%20syllabus/change%20as%20per%20NAAC/Syllabus%20employbaility%20civil%202021-2022 compressed.pdf
Engineering Mathematics-I	100011	To understand the concepts of basic mathematical methods for matrices, complex numbers and differential calculus	2018	https://web.mitsgwalior.in/images/Departments/electronics engineering/Syllabus%202021- 22 compressed.pdf
Energy, Environment, Ecology & Society	100015	To study an environment and ecosystem, To study natural resources	2017	https://web.mitsgwalior.in/images/Departments/electronics_engineering/Syllabus%202021- 22_compressed.pdf
Technical Language	100016	Language skills	2021	https://web.mitsgwalior.in/images/Departments/electronics_engineering/Syllabus%202021- 22_compressed.pdf
Language Lab	100017	Language skills	2021	https://web.mitsgwalior.in/images/Departments/electronics_engineering/Syllabus%202021- 22_compressed.pdf
Electronics Devices	200211	To expose to the field of electrical & electronics engineering, and to acquire the fundamental knowledge in the field	2021	https://web.mitsgwalior.in/images/Departments/electronics engineering/Syllabus%202021- 22_compressed.pdf
Electronics Devices	140211	To expose to the field of electrical & electronics engineering, and to acquire the fundamental knowledge in the field	2021	https://web.mitsgwalior.in/images/Departments/electronics engineering/Syllabus%202021- 22 compressed.pdf
Engineering Materials	200212	Different materials and their characteristics used in manufacturing	2021	https://web.mitsgwalior.in/images/Departments/electronics engineering/Syllabus%202021-22 compressed.pdf
Engineering Materials	140212	Different materials and their characteristics used in manufacturing	2021	https://web.mitsgwalior.in/images/Departments/electronics engineering/Syllabus%202021- 22 compressed.pdf
Biology for Engineers(Mandatory Audit Course)	1000002	Biological engineering	2018	https://web.mitsgwalior.in/images/Departments/electronics engineering/Syllabus%202021- 22 compressed.pdf
Cyber Security	100009	To prepare students with the technical knowledge and skills needed to protect and defend computer systems and networks.	2019	https://web.mitsgwalior.in/images/Departments/electronics engineering/Syllabus%202021- 22 compressed.pdf
Engineering Mathematics-III	100028	To understand the concepts of basic mathematical methods for matrices, complex numbers and differential calculus	2019	https://web.mitsgwalior.in/images/Departments/electronics_engineering/Syllabus%202021- 22_compressed.pdf

Digital Circuits & Systems	200411	develop skills and confidence to conceive and	2017	https://web.mitsgwalior.in/images/Departments/electr
		implement a complex digital system		onics engineering/Syllabus%202021-
				22 compressed.pdf
Digital Circuits & Systems	140411	develop skills and confidence to conceive and	2017	https://web.mitsgwalior.in/images/Departments/electr
		implement a complex digital system		onics engineering/Syllabus%202021-
				22 compressed.pdf
Analog Integrated Circuits	200412	Deep knowledge in Core Electronic components	2021	https://web.mitsgwalior.in/images/Departments/electr
		required in hardware technology		onics engineering/Syllabus%202021-
				22 compressed.pdf
Analog Integrated Circuits	140412	Deep knowledge in Core Electronic components	2021	https://web.mitsgwalior.in/images/Departments/electr
		required in hardware technology		onics engineering/Syllabus%202021-
				22 compressed.pdf
Analog Communication	200413	Understand and implement the basic analog and	2018	https://web.mitsgwalior.in/images/Departments/electr
		digital communication techniques/ circuits used in		onics_engineering/Syllabus%202021-
		communication systems		22 compressed.pdf
Analog Communication	140413	Understand and implement the basic analog and	2018	https://web.mitsgwalior.in/images/Departments/electr
		digital communication techniques/ circuits used in		onics_engineering/Syllabus%202021-
		communication systems		22_compressed.pdf
Communication Networks	200414	Data communication	2019	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Syllabus%202021-
				22_compressed.pdf
Communication Networks	140414	Data communication	2019	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22_compressed.pdf
PCB Design Lab	200415	Learn PCB design used in hardware technology	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
PCB Design Lab	140415	Learn PCB design used in hardware technology	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Digital Signal Processing	200601	Fourier transform and signal analysis	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Data Communication	200602	Layered architecture of communication protocols	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Data Communication	140602	Layered architecture of communication protocols	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf

Minor Project - II	200606	Integration of knowledge and skills from various areas	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Minor Project - II	140606	Integration of knowledge and skills from various areas	2020	https://web.mitsgwalior.in/images/Departments/electr
·				onics engineering/Syllabus%202021-
				22 compressed.pdf
Optical Communication	200611	Explain the different modes of propagation in an	2020	https://web.mitsgwalior.in/images/Departments/electr
		optical fiber		onics engineering/Syllabus%202021-
				22 compressed.pdf
Optical Communication	140611	Explain the different modes of propagation in an	2020	https://web.mitsgwalior.in/images/Departments/electr
		optical fiber		onics engineering/Syllabus%202021-
				22 compressed.pdf
Antennas and Wave Propagation	200612	Antenna design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Syllabus%202021-
				22 compressed.pdf
Antennas and Wave Propagation	140612	Antenna design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Syllabus%202021-
				22_compressed.pdf
Telecom Switching and Networks	200613	Traffic management.	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Syllabus%202021-
				22_compressed.pdf
Telecom Switching and Networks	140613	Traffic management.	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22_compressed.pdf
Spread Spectrum Communications and	200651	Secure communications over a large freequency band	2020	https://web.mitsgwalior.in/images/Departments/electr
Jamming				onics engineering/Syllabus%202021-
				22 compressed.pdf
Spread Spectrum Communications and	140651	Secure communications over a large freequency band	2020	https://web.mitsgwalior.in/images/Departments/electr
Jamming				onics engineering/Syllabus%202021-
				22 compressed.pdf
Digital IC Design	200652	MOS Design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Digital IC Design	140652	MOS Design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Fuzzy Sets,Logic and Systems &	200653	Concepts of fuzzy logic and its applications	2020	https://web.mitsgwalior.in/images/Departments/electr
Application				onics engineering/Syllabus%202021-
				22 compressed.pdf

Fuzzy Sets,Logic and Systems &	140653	Concepts of fuzzy logic and its applications	2020	https://web.mitsgwalior.in/images/Departments/electr
Application				onics engineering/Syllabus%202021-
				22 compressed.pdf
Intelligent Control	900104	Fuzzy logic, neural networks	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Embedded System	900105	To develop assembly	2020	https://web.mitsgwalior.in/images/Departments/electr
		language programming skills		onics engineering/Syllabus%202021-
				22 compressed.pdf
Microprocessor and Interfacing	140601	To develop assembly	2020	https://web.mitsgwalior.in/images/Departments/electr
		language programming skills		onics engineering/Syllabus%202021-
				22 compressed.pdf
Internship / Project	200801	able to test the theoretical learning in practical	2021	https://web.mitsgwalior.in/images/Departments/electr
		situations by accomplishing the tasks assigned during		onics_engineering/Syllabus%202021-
		the internship period		22 compressed.pdf
Professional Development	200802	Develop critical thinking, creativity and effective	2022	https://web.mitsgwalior.in/images/Departments/electr
		communication		onics engineering/Syllabus%202021-
				22 compressed.pdf
Power Management Integrated Circuits	200853	Power management circuits	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Syllabus%202021-
				22 compressed.pdf
Fundamental of power electronics	200854	Power semiconductor devices	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Biomedical Signal Processing	200855	Processing of biomedical signals	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Design and Analysis of VLSI Subsystems	200861	Develop the skill in the fundamental and advanced	2021	https://web.mitsgwalior.in/images/Departments/electr
		principles of VLSI circuit design in digital and analog		onics engineering/Syllabus%202021-
		domain required in hardware technology		22 compressed.pdf
An Introduction to Information Theory	200862	To define and apply the basic concepts of information	2021	https://web.mitsgwalior.in/images/Departments/electr
		theory		onics engineering/Syllabus%202021-
				22 compressed.pdf
Fundamentals of MIMO Wireless	200863	MIMO antenna based wireless communication	2021	https://web.mitsgwalior.in/images/Departments/electr
Communication		systems		onics engineering/Syllabus%202021-
				22 compressed.pdf

Linear Dynamical Systems	900601	Applications to circuits, signal processing,	2021	https://web.mitsgwalior.in/images/Departments/electr
		communications, and control systems		onics engineering/Syllabus%202021-
				22 compressed.pdf
Sensors and Actuators	900602	Improve skills in microtechnology to fabricate sensors	2021	https://web.mitsgwalior.in/images/Departments/electr
		and systems		onics engineering/Syllabus%202021-
				22 compressed.pdf
Engineering Physics	100019	Physics relevant to engineering applications.	2017	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Basic Mechanical Engineering	100021	To provide a comprehensive knowledge of basic	2017	https://web.mitsgwalior.in/images/Departments/electr
		mechanical systems.		onics engineering/Syllabus%202021-
				22 compressed.pdf
Basic Electrical & Electronics	100022	To expose to the field of electrical & electronics	2018	https://web.mitsgwalior.in/images/Departments/electr
Engineering		engineering, and to acquire the fundamental		onics_engineering/Syllabus%202021-
		knowledge in the field		22 compressed.pdf
Basic Computer Engineering	100027	An ability to design, implement, and evaluate a	2017	https://web.mitsgwalior.in/images/Departments/electr
		computer-based system, process, components		onics_engineering/Syllabus%202021-
				22_compressed.pdf
Electronics Workshop	200111	Circuit design	2017	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Syllabus%202021-
				22_compressed.pdf
Electronics Workshop	140111	Circuit design	2017	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22_compressed.pdf
Indian Constitution and Traditional	1000001	To aware of their basic human rights	2021	https://web.mitsgwalior.in/images/Departments/electr
Knowledge(Mandatory Audit Course)				onics engineering/Syllabus%202021-
				22 compressed.pdf
Engineering Mathematics - II	100025	To understand the concepts of basic mathematical	2018	https://web.mitsgwalior.in/images/Departments/electr
		methods for matrices, complex numbers and		onics engineering/Syllabus%202021-
		differential calculus		22 compressed.pdf
Electronics Circuit Design	200311	To expose to the field of electrical & electronics	2021	https://web.mitsgwalior.in/images/Departments/electr
		engineering, and to acquire the fundamental		onics engineering/Syllabus%202021-
		knowledge in the field		22 compressed.pdf
Electronics Circuit Design	140311	To expose to the field of electrical & electronics	2021	https://web.mitsgwalior.in/images/Departments/electr
		engineering, and to acquire the fundamental		onics engineering/Syllabus%202021-
		knowledge in the field		22 compressed.pdf
Network Theory	200312	Apply the knowledge of basic circuital law and simplify	2017	https://web.mitsgwalior.in/images/Departments/electr
		the network using reduction techniques		onics engineering/Syllabus%202021-
				22 compressed.pdf

Network Theory	140312	Apply the knowledge of basic circuital law and simplify	2017	https://web.mitsgwalior.in/images/Departments/electr
		the network using reduction techniques		onics engineering/Syllabus%202021-
				22 compressed.pdf
Signals & Systems	200313	To describe signals mathematically	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Signals & Systems	140313	To describe signals mathematically	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Electronics Measurement &	200314	Understanding of Measurement errors in electronics	2020	https://web.mitsgwalior.in/images/Departments/electr
Instrumentation		instruments		onics engineering/Syllabus%202021-
				22 compressed.pdf
Electronics Measurement &	140314	Understanding of Measurement errors in electronics	2020	https://web.mitsgwalior.in/images/Departments/electr
Instrumentation		instruments		onics_engineering/Syllabus%202021-
				22 compressed.pdf
Software Lab Introduction to MATLAB	200315	MATLAB for industry	2017	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Syllabus%202021-
				22 compressed.pdf
Software Lab Introduction to MATLAB	140315	MATLAB for industry	2017	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Syllabus%202021-
				22 compressed.pdf
Ethics, Economics Entrepreneurship &	100005	Developing skill for managing social and economic	2020	https://web.mitsgwalior.in/images/Departments/electr
Management		activities		onics engineering/Syllabus%202021-
				22_compressed.pdf
Electromagnetic Theory	200502	Introduces electromagnetic concepts to the	2020	https://web.mitsgwalior.in/images/Departments/electr
		performance of		onics engineering/Syllabus%202021-
		devices, circuits, and systems.		22 compressed.pdf
Electromagnetic Theory	140502	Introduces electromagnetic concepts to the	2020	https://web.mitsgwalior.in/images/Departments/electr
		performance of		onics engineering/Syllabus%202021-
		devices, circuits, and systems.		22 compressed.pdf
Microprocessor & Interfacing	200503	To develop assembly	2020	https://web.mitsgwalior.in/images/Departments/electr
		language programming skills		onics engineering/Syllabus%202021-
				22 compressed.pdf
Linear Control Theory	200504	Learning of control system-theory and its	2017	https://web.mitsgwalior.in/images/Departments/electr
		implementation used for electronics devices		onics engineering/Syllabus%202021-
				22 compressed.pdf
Linear Control Theory	140504	Learning of control system-theory and its	2017	https://web.mitsgwalior.in/images/Departments/electr
		implementation used for electronics devices		onics engineering/Syllabus%202021-
				22 compressed.pdf

Digital Communication	200505	Understand and implement the basic analog and	2017	https://web.mitsgwalior.in/images/Departments/electr
		digital communication techniques/ circuits used in		onics engineering/Syllabus%202021-
		communication systems		22 compressed.pdf
Digital Communication	140505	Understand and implement the basic analog and	2017	https://web.mitsgwalior.in/images/Departments/electr
		digital communication techniques/ circuits used in		onics engineering/Syllabus%202021-
		communication systems		22 compressed.pdf
Minor Project - I	200506	Integration of knowledge and skills from various areas	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Minor Project - I	140506	Integration of knowledge and skills from various areas	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Data Communication	140503	Layered architecture of communication protocols	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Syllabus%202021-
				22 compressed.pdf
Intellectual Property Rights	100008	To learn the procedure of obtaining Patents,	2020	https://web.mitsgwalior.in/images/Departments/electr
		Copyrights, Trade Marks &Industrial Design		onics_engineering/Syllabus%202021-
				22_compressed.pdf
VLSI Lab	200701	Develop the skill in the fundamental and advanced	2020	https://web.mitsgwalior.in/images/Departments/electr
		principles of VLSI circuit design in digital and analog		onics_engineering/Syllabus%202021-
		domain required in hardware technology		22 compressed.pdf
VLSI Lab	140701	Develop the skill in the fundamental and advanced	2020	https://web.mitsgwalior.in/images/Departments/electr
		principles of VLSI circuit design in digital and analog		onics engineering/Syllabus%202021-
		domain required in hardware technology		22 compressed.pdf
	200704		2024	
Creative Problem Solving	200704	Creative thinking skills in problem-solving	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
	110701		2024	22 compressed.pdf
Creative Problem Solving	140704	Creative thinking skills in problem-solving	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Satellite and Radar Communication	200711	Introduce students to the fundamentals of satellite	2020	https://web.mitsgwalior.in/images/Departments/electr
		communication		onics_engineering/Syllabus%202021-
				22 compressed.pdf
Satellite and Radar Communication	140711	Introduce students to the fundamentals of satellite	2020	https://web.mitsgwalior.in/images/Departments/electr
		communication		onics_engineering/Syllabus%202021-
				22 compressed.pdf

VLSI Design	200712	Develop the skill in the fundamental and advanced	2017	https://web.mitsgwalior.in/images/Departments/electr
		principles of VLSI circuit design in digital and analog domain required in hardware technology		onics engineering/Syllabus%202021-
		domain required in nardware technology		22 compressed.pdf
VLSI Design	140712	Develop the skill in the fundamental and advanced	2017	https://web.mitsgwalior.in/images/Departments/electr
		principles of VLSI circuit design in digital and analog		onics engineering/Syllabus%202021-
		domain required in hardware technology		22 compressed.pdf
Microwave Engineering	200713	An understanding of microwave waveguides, passive	2017	https://web.mitsgwalior.in/images/Departments/electr
		& active devices		onics_engineering/Syllabus%202021-
				22_compressed.pdf
Microwave Engineering	140713	An understanding of microwave waveguides, passive	2017	https://web.mitsgwalior.in/images/Departments/electr
		& active devices		onics_engineering/Syllabus%202021-
				22_compressed.pdf
Digital Image Processing	200751	To introduce the concepts of image processing and	2020	https://web.mitsgwalior.in/images/Departments/electr
		basic analytical methods to be used in image		onics engineering/Syllabus%202021-
		processing		22_compressed.pdf
Digital Image Processing	140751	To introduce the concepts of image processing and	2020	https://web.mitsgwalior.in/images/Departments/electr
		basic analytical methods to be used in image		onics engineering/Syllabus%202021-
		processing		22 compressed.pdf
Introduction to Wireless Cellular	200752	Cellular & Mobile Communication	2020	https://web.mitsgwalior.in/images/Departments/electr
Communication				onics engineering/Syllabus%202021-
				22 compressed.pdf
Introduction to Wireless Cellular	140752	Cellular & Mobile Communication	2020	https://web.mitsgwalior.in/images/Departments/electr
Communication				onics engineering/Syllabus%202021-
				22 compressed.pdf
Milimeter wave Technology	200753	5G network and radar and satellites	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Milimeter wave Technology	140753	5G network and radar and satellites	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Syllabus%202021-
				22 compressed.pdf
Satellite System	900206	introduce students to the fundamentals of satellite	2020	https://web.mitsgwalior.in/images/Departments/electr
		communication		onics_engineering/Syllabus%202021-
				22 compressed.pdf
Consumer Electronics	900207	to enhance the knowledge, skills and attitudes on core	2020	https://web.mitsgwalior.in/images/Departments/electr
		competencies such as; assemble/disassemble		onics_engineering/Syllabus%202021-
		consumer electronic products		22 compressed.pdf

MEMS & Mechatronics	900218	skill on various fabrication techniques required in MEMS	2020	https://web.mitsgwalior.in/images/Departments/electronics engineering/Syllabus%202021-
				22 compressed.pdf
Multimedia Communication	900219	Explore the various channels available to	2020	https://web.mitsgwalior.in/images/Departments/electr
		communication professionals		onics engineering/Syllabus%202021-
				22 compressed.pdf
Digital Electronics	160301	This is a comprehensive course on digital	2014	https://web.mitsgwalior.in/images/Departments/infor
		electronics training. The goal of the course is to		mation technology/Downloads/CompleteSyllabus.pdf
		learn the digital format of data and codes. It will		
		assist students in understanding Number		
		Systems, Numeric Codes, Logic Gates,		
		Combinational Circuits, Sequential Circuits etc.		
		for digital circuit-based applications.		
Digital Electronics	160213	This is a comprehensive course on digital	2014	https://web.mitsgwalior.in/images/Departments/infor
		electronics training. The goal of the course is to		mation_technology/Downloads/CompleteSyllabus.pdf
		learn the digital format of data and codes. It will		
		assist students in understanding Number		
		Systems, Numeric Codes, Logic Gates,		
		Combinational Circuits, Sequential Circuits etc.		
		for digital circuit-based applications.		
Data Structures	160302	This course deals with different kind of data	2014	https://web.mitsgwalior.in/images/Departments/infor
		structures, which includes linked list, stack,		mation technology/Downloads/CompleteSyllabus.pdf
		array, tree and sorting. That course makes		
		student to employable and also develop skill to		
		solve algorithm, time complexity, space		
		complexity related problem and software		
		development.		
Data Structures	160211	This course deals with different kind of data	2014	https://web.mitsgwalior.in/images/Departments/infor
		structures, which includes linked list, stack,		mation_technology/Downloads/CompleteSyllabus.pdf
		array, tree and sorting. That course makes		
		student to employable and also develop skill to		
		solve algorithm, time complexity, space		
		complexity related problem and software		
		development.		

Object Oriented Programming &	160304	This course deals with programming	2014	https://web.mitsgwalior.in/images/Departments/infor
Methodology		fundamentals, which includes variable		mation technology/Downloads/CompleteSyllabus.pdf
		decleration, control structures, functions, class,		
		object and OOP concepts. That course makes		
		student to employable and also develop skill		
		related to Object Oriented programming and		
		software development.		
Object Oriented Programming &	160212	This course deals with programming	2014	https://web.mitsgwalior.in/images/Departments/infor
Methodology		fundamentals, which includes variable		mation_technology/Downloads/CompleteSyllabus.pdf
		decleration, control structures, functions, class,		
		object and OOP concepts. That course makes		
		student to employable and also develop skill		
		related to Object Oriented programming and		
		software development.		
Discrete Structures	160501	Graph theory, Mathematical Modeling, solution	2015	https://web.mitsgwalior.in/images/Departments/infor
		of recurrence relation		mation technology/Downloads/CompleteSyllabus.pdf
Software Engineering	160502	This course would be focused on the basic	2014	https://web.mitsgwalior.in/images/Departments/infor
		concepts of To understand the nature of		mation technology/Downloads/CompleteSyllabus.pdf
		software development and software life cycle		
		process models,		
		agile software development, SCRUM and other		
		agile practices. Brief overview To understand		
		project management and risk management		
		associated with various types of		
		projects, to know basics of testing and		
		understanding concept of software quality		
		assurance and software configuration		
		management process.		

Software Engineering	160412	This course would be focused on the basic	2014	https://web.mitsgwalior.in/images/Departments/infor
		concepts of To understand the nature of		mation technology/Downloads/CompleteSyllabus.pdf
		software development and software life cycle		
		process models,		
		agile software development, SCRUM and other		
		agile practices. Brief overview To understand		
		project management and risk management		
		associated with various types of		
		projects, to know basics of testing and		
		understanding concept of software quality		
		assurance and software configuration		
		management process.		
Theory of Computation	160503	This course deals with concepts of TOC, which	2014	https://web.mitsgwalior.in/images/Departments/infor
Theory of computation	100303	includes about finite autometa, regular	2014	mation technology/Downloads/CompleteSyllabus.pdf
		grammer, context free grammer, CSL and turing		mation teermology/bowmodds/completesyndbds.pdr
		machine. That course makes student to		
		employable and also develop skill to solve		
		different kind of newmerical problem those		
		include in competative examinations.		
Microprocessor & Interfacing	160504	Understanding of different processors and basic	2014	https://web.mitsgwalior.in/images/Departments/infor
Wilcroprocessor & Interracing	100304	architecture of 16 bit microprocessor and their	2014	mation technology/Downloads/CompleteSyllabus.pdf
		interfacing with memory and I/O devices,		<u>Ination_technology/bowinioads/completesyllabus.pur</u>
		understanding of microcontrollers. Designing of		
		systems using microprocessor and		
		microcontroller.		
Data Mining & Predictive Modelling	160714	This course deals with fundamentals of	2021	https://web.mitsgwalior.in/images/Departments/infor
Data willing & Predictive wodening	100/14		2021	mation technology/Downloads/CompleteSyllabus.pdf
		computer. Which includes generations of		mation technology/Downloads/CompleteSyllabus.pdf
		computer, evolution and development of		
		microprocessor, input and output devices,		
		primary and secondary storage devices,		
		programming languages etc. It also deals with		
		the hardware and software aspects of the		
		computer like operating system, application		
0.5:0	150717	software and system software.		
Soft Computing	160715	Implementation of advanced algorithm for real	2020	https://web.mitsgwalior.in/images/Departments/infor
		life problem solving		mation_technology/Downloads/CompleteSyllabus.pdf

Mobile Computing	160716	This course covers interesting topics across a variety of mobile systems (wireless LANs, cellular systems, and sensor networks), and revisit the design of the various layers of the networking stack in the context of wireless communication.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Scalable Data Science	160752	Implementation of data science concepts on large scale data	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203 compressed.pdf
Social Networks	160754	Analysis of Modern Social Network	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Soft Computing	900208	Implementation of advanced algorithm for real life problem solving	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Network Security	900209	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2017	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
R Programming	900220	Statistical techniques for scientific analysis of data	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Computer Networks	900222	This course would be focused on the basic concepts of computer network and its types, concepts of communication using different types of layes. Brief overview of Presentation, Session & Application Layer	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Computer System Organization	160311	This course is concerned with the structure and behavior of a computer system as observed by the user. It serves as the link between hardware and software. It is involved with the elements of system interconnection. It enables students to design, create, and deploy applications that are better, quicker, cheaper, and more efficient in order to make informed decisions.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Design and analysis of algorithm	160312	It provides the fundametal concepts of Algorithms design and its analysis in terms of time and space complextiy. It also teaches popular problem of the computer science with the help of concept development and coding	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Data Base Management system	160313	It is a collection of concept that enables the students to create and maintain a database. It provide the fundamental teminalogy to develop the full-fledge databases and it applicabity in the different domains.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Operating System	160314	It explains the concepts of interface working the computers in broader way. It gives the internal workings of the operating system in the conceptual manner.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Java Programming Lab	160315	Design and development of efficient softwares using java programming that can solve the problem related to different domains.	2017	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
IoT Lab	160701	Understanding various sensors and technology behind them for creating an IoT based application for real world problem solving	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Introduction to Internet of Things (IoT)	230101	This course will cover different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Introduction to Computer	230102	This course deals with programming	2020	https://web.mitsgwalior.in/images/Departments/infor
	230102	fundamentals, which includes variable	2020	
Programming		, and the second		mation_technology/Downloads/CompleteSyllabus.pdf
		decleration, control structures, functions, class,		
		object and OOP concepts. That course makes		
		student to employable and also develop skill		
		related to programming and software		
		development.		
Design & Analysis of Algorithms	230301	It provides the fundametal concepts of	2014	https://web.mitsgwalior.in/images/Departments/infor
		Algorithms design and its analysis in terms of		mation_technology/Downloads/CompleteSyllabus.pdf
		time and space complextiy. It also teaches		
		popular problem of the computer science with		
		the help of concept development and coding		
Operating System	230302	It explains the concepts of interface working the	2014	https://web.mitsgwalior.in/images/Departments/infor
Operating System	230302	computers in broader way. It gives the internal	2014	mation technology/Downloads/CompleteSyllabus.pdf
		workings of the operating system in the		mation technology/Downloads/Completesyllabus.pdf
		conceptual manner.		
Carrantos Naturado and Brotanala	220202	This course would cover the fundamental	2020	hatta a s / / s sa la sacita a su sa li a si in / i a a a a a a / D a a a stura a sata / i safa s
Computer Networks and Protocols	230303		2020	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
		concepts of computer network and its types.		mation technology/Downloads/Completesyllabus.pdf
		overview of network layer, transport layer and		
		application layer protocols for implementation		
		of computer networking concept		
Database Management System	230304	It is a collection of concept that enables the	2014	https://web.mitsgwalior.in/images/Departments/infor
		students to create and maintain a database.		mation technology/Downloads/CompleteSyllabus.pdf
		It provide the fundamental teminalogy to		
		develop the full-fledge databases and it		
		applicabity in the different domains.		
Design and Thinking Lab	230305	Understanding various sensors and technology	2021	https://web.mitsgwalior.in/images/Departments/infor
		behind them for creating an IoT based		mation technology/Downloads/CompleteSyllabus.pdf
		application for real world problem solving		

Introduction to Artificial Intelligence	240101	The course introduces the variety of concepts in the field of artificial intelligence. It discusses the philosophy of AI, and how to model a new problem as an AI problem. It describes a variety of models such as search, logic, Bayes nets, and MDPs, which can be used to model a new problem. It also teaches many first algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of AI.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Design & Analysis of Algorithms	240301	It provides the fundametal concepts of Algorithms design and its analysis in terms of time and space complextiy. It also teaches popular problem of the computer science with the help of concept development and coding	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Operating System	240302	It explains the concepts of interface working the computers in broader way. It gives the internal workings of the operating system in the conceptual manner.	2014	https://web.mitsgwalior.in/images/Departments/informationtechnology/Downloads/CompleteSyllabus.pdf
Computer Networks and Protocols	240303	This course would cover the fundamental concepts of computer network and its types. overview of network layer, transport layer and application layer protocols for implementation of computer networking concept	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Database Management System	240304	It is a collection of concept that enables the students to create and maintain a database. It provide the fundamental teminalogy to develop the full-fledge databases and it applicabity in the different domains.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Python Programming Lab	240305	Design and development of efficient softwares using python programming that can solve the problem related to different domains.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Introduction to Artificial Intelligence	270101	The course introduces the variety of concepts in	2021	https://web.mitsgwalior.in/images/Departments/infor
and Data Science	270101	the field of artificial intelligence and Data science. It discusses the introduction of AIDS, and how to model a new problem as an AIDS problem. It describes a variety of models such as linear regression, logistic regression, and clustering methods which can be used to model a new problem. It also teaches many algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of artificial intelligence and Data science.	2021	mation technology/Downloads/CompleteSyllabus.pdf
Introduction to Computer Programming	270102	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to programming and software development.	2020	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Introduction to Artificial Intelligence and Machine Learning	280101	The course introduces the variety of concepts in the field of artificial intelligence and Machine learning. It discusses the introduction of AIML, and how to model a new problem as an AIML problem. It describes a variety of models such as linear regression, logistic regression, and clustering methods which can be used to model a new problem. It also teaches many algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of artificial intelligence and Machine learning.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Introduction to Computer	280102	This course deals with programming	2020	https://web.mitsgwalior.in/images/Departments/infor
Programming		fundamentals, which includes variable		mation technology/Downloads/CompleteSyllabus.pdf
		decleration, control structures, functions, class,		
		object and OOP concepts. That course makes		
		student to employable and also develop skill		
		related to programming and software		
		development.		
Programming Lab	160405	Design and development of efficient softwares	2017	https://web.mitsgwalior.in/images/Departments/infor
		using programming concepts that can solve the		mation_technology/Downloads/CompleteSyllabus.pdf
		problem related to different domains.		
Programming Lab	160414	Design and development of efficient softwares	2017	https://web.mitsgwalior.in/images/Departments/infor
		using programming concepts that can solve the		mation technology/Downloads/CompleteSyllabus.pdf
		problem related to different domains.		
Compiler Design	160601	This course deals with concepts of COmpile	2015	https://web.mitsgwalior.in/images/Departments/infor
		design, which includes lexical analyzer, syntax		mation technology/Downloads/CompleteSyllabus.pdf
		analyzer, sementics, ICG, code optimization and		
		code ganeration. That course makes student to		
		employable and also develop skill to solve		
		different kind of newmerical problem those		
		include in competative examinations.		
Computer Networks	160602	This course would be focused on the basic	2015	https://web.mitsgwalior.in/images/Departments/infor
		concepts of computer network and its types,		mation_technology/Downloads/CompleteSyllabus.pdf
		concepts of communication using different types		
		of layes. Brief overview of Presentation, Session&		
		Application Layer		
Network & Web Security	160611	This course would cover the fundamentals of	2015	https://web.mitsgwalior.in/images/Departments/infor
		cryptography, hash functions and authentication		mation technology/Downloads/CompleteSyllabus.pdf
		mechanisms. Overview of IP and web security.		
		Application of number theory and various		
		algorithms for web security.		

Agile Methodology	160613	This course will explain underpinning philosophy	2015	https://web.mitsgwalior.in/images/Departments/infor
Agile Methodology	100013	and principles of Agile, lifecycle of an Agile	2013	mation technology/Downloads/CompleteSyllabus.pdf
		project, including alternative configurations. The		mation technology/bowindads/completesynabus.pur
		products produced during an Agile project and		
		the purpose of these. The techniques used and		
		their benefits and limitations. The roles and		
		responsibilities within an Agile project. The Agile		
		Project Management process can enable		
		planning, management and control for		
		predictable Agile project deliveries.		
		predictable Agrie project deliveries.		
Data Analytics with Python	160651	Analysis on Real Data Set	2020	https://web.mitsgwalior.in/images/Departments/infor
, ,				mation technology/BoS/BoS%20Proceedings/4.%20BoS
				%20PROCEEDING%20MEETING%20HELD%20ON%2009
				%20APRIL%202019%201.pdf
Introduction to Machine Learning	160652	The course introduces the variety of concepts in	2019	https://web.mitsgwalior.in/images/Departments/infor
_		the field of Machine learning. It discusses the		mation technology/BoS/BoS%20Proceedings/4.%20BoS
		introduction of ML, and how to model a new		%20PROCEEDING%20MEETING%20HELD%20ON%2009
		problem as an ML problem. It describes a variety		%20APRIL%202019%201.pdf
		of models such as linear regression, logistic		
		regression, and clustering methods etc. which		
		can be used to model a new problem. It also		
		teaches many algorithms to solve each		
		formulation.		
Cloud Computing	160653	Clouds, Virtualization and Virtual	2015	https://web.mitsgwalior.in/images/Departments/infor
		Machine, Consensus, Paxos and Recovery in		mation technology/Downloads/CompleteSyllabus.pdf
		Clouds, Cloud Storage, P2P Systems and their		
		use in Industry Systems		
Cloud Computing	160614	Clouds, Virtualization and Virtual	2015	https://web.mitsgwalior.in/images/Departments/infor
		Machine, Consensus, Paxos and Recovery in		mation technology/Downloads/CompleteSyllabus.pdf
		Clouds, Cloud Storage, P2P Systems and their		
		use in Industry Systems		

Artificial Intelligence: Knowledge Representation And Reasoning	160654	The course introduces the variety of concepts in the field of artificial intelligence. It describes a variety of models such as search, logic, Bayes nets, and MDPs, which can be used to model a new problem. It also teaches many first algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of AI.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Blockchain and its Applications	160854	Course will cover the basic design principles of Blockchain technology and its applications over different sectors. Additionally, the course also provides tutorials on setting up blockchain applications using one of the well-adopted permissionless blockchain platforms - Ethereum, and one permissioned blockchain platform - Hyperledger.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Object Oriented System Development Using UML, Java And Patterns	160855	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Information Security-5-Secure Systems Engineering	160858	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Data Science for Engineers	900620	Mathematical foundations required for Data Science, Model Development and Assessment	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Social Networks	900621	Analysis of Modern Social Network	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf

Software Engineering	900108	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2017	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Data Mining & Warehousing	900116	The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software.	2020	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Robotics & vision control	900119	Robotic vision, the combination of robotics and computer vision, involves the application of computer algorithms to data acquired from sensors. The research community has developed a large body of such algorithms but for a newcomer to the field this can be quite daunting.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Digital Logic Design	230201	This course is associated with digital integrated circuits (ICs), which use binary integers to execute certain computer operations. This course prepares students to design hardware like circuit boards and microchip processors. This hardware is used to manage user input, system protocol, and other data in navigation systems, mobile phones, and other high-tech systems.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Data Structures	230202	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Object Oriented Programming and Methodology	230203	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Computer Architecture and Microprocessor	230401	Fundamental knowledge of a computer system and its processing units, input & output operations, memory management, data manipulation operations, and understand different processors and basic architecture of 8/16 bit microprocessors. Development of systems using microprocessor.	2021	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Cloud Computing	230402	Clouds, Virtualization and Virtual Machine, Consensus, Paxos and Recovery in Clouds, Cloud Storage, P2P Systems and their use in Industry Systems	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Software Engineering	230403	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2017	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf

IoT Architecture and Protocols	230404	Sensors, actuators, compute servers, and the communication network form the core infrastructure of an IoT framework.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Network & Web Security	230405	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Python Programming Lab	230406	Design and development of efficient softwares using python programming that can solve the problem related to different domains.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Computer Architecture and Microprocessor	240401	Fundamental knowledge of a computer system and its processing units, input & output operations, memory management, data manipulation operations, and understand different processors and basic architecture of 8/16 bit microprocessors. Development of systems using microprocessor.	2021	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Cloud Computing	240402	Clouds, Virtualization and Virtual Machine, Consensus, Paxos and Recovery in Clouds, Cloud Storage, P2P Systems and their use in Industry Systems	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Software Engineering	240403	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2017	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Machine Learning and Optimization	240404	This course deals with the overview of machine learning techniques and its application for solving real world problems, Basic concept of optimization and its application for finding global optimal solution.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Network & Web Security	240405	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Design and Thinking Lab	240406	Understanding various sensors and technology behind them for creating an IoT based application for real world problem solving	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Digital Logic Design	270201	This course is associated with digital integrated circuits (ICs), which use binary integers to execute certain computer operations. This course prepares students to design hardware like circuit boards and microchip processors. This hardware is used to manage user input, system protocol, and other data in navigation systems, mobile phones, and other high-tech systems.	2020	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Data Structures	270202	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Object Oriented Programming and Methodology	270203	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Computer Programming	160122	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to programming and software development.	2021	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Digital Logic Design	160123	This course is associated with digital integrated circuits (ICs), which use binary integers to execute certain computer operations. This course prepares students to design hardware like circuit boards and microchip processors. This hardware is used to manage user input, system protocol, and other data in navigation systems, mobile phones, and other high-tech systems.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Discrete Structures	160124	Graph theory, Mathematical Modeling, solution of recurrence relation	2015	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
IT workshop	160125	This course deals with fundamentals of computer. Which includes generations of computer, evolution and development of microprocessor, input and output devices, primary and secondary storage devices, programming languages etc. It also deals with the hardware and software aspects of the computer like operating system, application software and system software.	2020	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Computer Graphics & Multimedia	160303	This course would be focused on the basic concepts of computer graphics techniques and display devices, to enhance the proficiency in image representations, 2D and 3D graphics transformations. Brief overview to develop awareness with various illumination, color models and multimedia system.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Computer Graphics & Multimedia	160411	This course would be focused on the basic concepts of computer graphics techniques and display devices, to enhance the proficiency in image representations, 2D and 3D graphics transformations. Brief overview to develop awareness with various illumination, color models and multimedia system.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Analytics using R programming	900227	Statistical techniques for scientific analysis of data	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Computer Networks	160413	This course would be focused on the basic concepts of computer network and its types, concepts of communication using different types of layes. Brief overview of Presentation, Session Application Layer	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Introduction to Internet of Things (IoT)	230121	This course will cover different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Computer Programming	230122	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to programming and software development.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Digital Logic Design	230123	This course is associated with digital integrated circuits (ICs), which use binary integers to execute certain computer operations. This course prepares students to design hardware like circuit boards and microchip processors. This hardware is used to manage user input, system protocol, and other data in navigation systems, mobile phones, and other high-tech systems.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Discrete structures	230501	Graph theory, Mathematical Modeling, solution of recurrence relation	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Data Science in IoT	230502	Mathematical foundations required for Data Science, Model Development and Assessment	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Theory of Computation	230503	This course deals with concepts of TOC, which includes about finite autometa, regular grammer, context free grammer, CSL and turing machine. That course makes student to employable and also develop skill to solve different kind of newmerical problem those include in competative examinations.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Soft Computing Techniques	230505	Implementation of advanced algorithm for real life problem solving	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Introduction to Artificial Intelligence	240121	The course introduces the variety of concepts in the field of artificial intelligence. It discusses the philosophy of AI, and how to model a new problem as an AI problem. It describes a variety of models such as search, logic, Bayes nets, and MDPs, which can be used to model a new problem. It also teaches many first algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of AI.	2020	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Computer Programming	240122	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to programming and software development.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Digital Logic Design	240123	This course is associated with digital integrated circuits (ICs), which use binary integers to execute certain computer operations. This course prepares students to design hardware like circuit boards and microchip processors. This hardware is used to manage user input, system protocol, and other data in navigation systems, mobile phones, and other high-tech systems.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Discrete structures	240501	Graph theory, Mathematical Modeling, solution of recurrence relation	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Data Science using python	240502	Mathematical foundations required for Data Science, Model Development and Assessment	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Theory of Computation	240503	This course deals with concepts of TOC, which includes about finite autometa, regular grammer, context free grammer, CSL and turing machine. That course makes student to employable and also develop skill to solve different kind of newmerical problem those include in competative examinations.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Soft Computing Techniques	240505	Implementation of advanced algorithm for real life problem solving	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Introduction to Artificial Intelligence and Data Science	270121	The course introduces the variety of concepts in the field of artificial intelligence and Data science. It discusses the introduction of AIDS, and how to model a new problem as an AIDS problem. It describes a variety of models such as linear regression, logistic regression, and clustering methods which can be used to model a new problem. It also teaches many algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of artificial intelligence and Data science.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Computer Programming	270122	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to programming and software development.	2021	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Digital Logic Design	270123	This course is associated with digital integrated circuits (ICs), which use binary integers to execute certain computer operations. This course prepares students to design hardware like circuit boards and microchip processors. This hardware is used to manage user input, system protocol, and other data in navigation systems, mobile phones, and other high-tech systems.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Python programming lab	270306	Design and development of efficient softwares using python programming that can solve the problem related to different domains.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Introduction to Artificial Intelligence and Machine Learning	280121	The course introduces the variety of concepts in the field of artificial intelligence and Machine learning. It discusses the introduction of AIML, and how to model a new problem as an AIML problem. It describes a variety of models such as linear regression, logistic regression, and clustering methods which can be used to model a new problem. It also teaches many algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of artificial intelligence and Machine learning.	2021	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf

Computer Programming	280122	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to programming and software development.	2021	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf
Digital Logic Design	280123	This course is associated with digital integrated circuits (ICs), which use binary integers to execute certain computer operations. This course prepares students to design hardware like circuit boards and microchip processors. This hardware is used to manage user input, system protocol, and other data in navigation systems, mobile phones, and other high-tech systems.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Discrete structures	280301	Graph theory, Mathematical Modeling, solution of recurrence relation	2015	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Design & Analysis of Algorithms	280302	It provides the fundametal concepts of Algorithms design and its analysis in terms of time and space complextiy. It also teaches popular problem of the computer science with the help of concept development and coding	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Operating System	280303	It explains the concepts of interface working the computers in broader way. It gives the internal workings of the operating system in the conceptual manner.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
Computer Networks and Protocols	280304	This course would cover the fundamental concepts of computer network and its types. overview of network layer, transport layer and application layer protocols for implementation of computer networking concept	2020	https://web.mitsgwalior.in/images/Departments/information technology/Downloads/CompleteSyllabus.pdf

Database Management System	280305	It is a collection of concept that enables the students to create and maintain a database. It provide the fundamental teminalogy to	2014	https://web.mitsgwalior.in/images/Departments/information_technology/Downloads/CompleteSyllabus.pdf
		develop the full-fledge databases and it applicabity in the different domains.		
Python programming lab	280307	Design and development of efficient softwares	2021	https://web.mitsgwalior.in/images/Departments/infor
		using python programming that can solve the		mation technology/Downloads/CompleteSyllabus.pdf
		problem related to different domains.		
	170211	Combustion calculation	2020	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2021-
Chemical Process Calculations				22%20bos merged compressed.pdf
	170311	Pumps, flowmeters and valve		https://web.mitsgwalior.in/images/Departments/chemi
			2016	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2010	teria%201%20updated/2021-
Fluid Mechanics				22%20bos_merged_compressed.pdf
	170312			https://web.mitsgwalior.in/images/Departments/chemi
			2016	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2021-
Organic Process Technology		Synthesis of oils		22%20bos merged compressed.pdf
	170313	Ideal and non ideal mixer and solutions		https://web.mitsgwalior.in/images/Departments/chemi
			2016	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
Chemical Engineering				teria%201%20updated/2021-
Thermodynamics				22%20bos merged compressed.pdf
	170314	Particales size reduction and screen analysis		https://web.mitsgwalior.in/images/Departments/chemi
			2016	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2010	teria%201%20updated/2021-
Fluid Particle Mechanics				22%20bos_merged_compressed.pdf
	170315	Synthesis of different chemicals		https://web.mitsgwalior.in/images/Departments/chemi
			2018	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2010	teria%201%20updated/2021-
Chemical Synthesis Lab				22%20bos merged compressed.pdf
	170411		2016	https://web.mitsgwalior.in/images/Departments/chemi
		Lumped parameter for distributed heat transfer		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		equipments		teria%201%20updated/2021-
Heat Transfer				22%20bos merged compressed.pdf

	170412	PID Controllers, Stablity analysis of process	2019	https://web.mitsgwalior.in/images/Departments/chemi
		, , , ,		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2021-
Instrumentation & Process Control				22%20bos merged compressed.pdf
	170413		2016	https://web.mitsgwalior.in/images/Departments/chemi
		Decision of head and also was		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
Mechanical Design of Process		Design of head and closures		teria%201%20updated/2021-
Equipment				22%20bos merged compressed.pdf
	170414		2016	https://web.mitsgwalior.in/images/Departments/chemi
		During of wat salida Countalization		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Drying of wet solids, Crystalization		teria%201%20updated/2021-
Mass Transfer-I				22%20bos merged compressed.pdf
	170415		2019	https://web.mitsgwalior.in/images/Departments/chemi
		Flow controllers, level control		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Flow controllers, level control		teria%201%20updated/2021-
Process Control Lab				22%20bos_merged_compressed.pdf
Chemical Engineering	170501	Ideal and non ideal mixer and solutions		https://web.mitsgwalior.in/images/Departments/chemi
Thermodynamics			2016	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2016	teria%201%20updated/2021-
				22%20bos merged compressed.pdf
	170502			https://web.mitsgwalior.in/images/Departments/chemi
		Drying of wet solids, Evaporation	2017	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		brying or wet solids, Evaporation	2017	teria%201%20updated/2021-
Mass Transfer –II				22%20bos merged compressed.pdf
	170503	Reactors and flow analysis		https://web.mitsgwalior.in/images/Departments/chemi
			2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
Chemical Reaction Engineering – I			2017	teria%201%20updated/2021-
				22%20bos_merged_compressed.pdf
Computational Methods in	170504	Optimization of chemical processes		https://web.mitsgwalior.in/images/Departments/chemi
Chemical Engg			2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2017	teria%201%20updated/2021-
				22%20bos merged compressed.pdf
Inorganic Process Technology	170505			https://web.mitsgwalior.in/images/Departments/chemi
		Cement industry, Pulp and paper industry	2017	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Cement maustry, rulp and paper maustry	2017	teria%201%20updated/2021-
				22%20bos_merged_compressed.pdf

	170611		2020	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Design of head and closures		teria%201%20updated/2021-
Process Equipment Design				22%20bos merged compressed.pdf
Fluidization Engineering	170612		2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Application of fluidzation Technique methods		teria%201%20updated/2021-
				22%20bos merged compressed.pdf
	170613		2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2021-
Multicomponent distillation		Thermodynamics and vapor liquid equilibrium		22%20bos merged compressed.pdf
Polymer Technology	170614		2017	https://web.mitsgwalior.in/images/Departments/chemi
		En avu racina amulaian nalumarization		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Epoxy resins, emulsion polymerization		teria%201%20updated/2021-
				22%20bos_merged_compressed.pdf
	170602		2017	https://web.mitsgwalior.in/images/Departments/chemi
		Madelling of versions has been supposed		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Modelling of reactors, heat exchangers		teria%201%20updated/2021-
Process Modeling & Simulation				22%20bos merged compressed.pdf
	900109		2020	https://web.mitsgwalior.in/images/Departments/chemi
		Conduction coloulation colid briggseting		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Cmbution calculation, solid briqueting		teria%201%20updated/2021-
Fuels & Combustion				22%20bos merged compressed.pdf
	900110		2020	https://web.mitsgwalior.in/images/Departments/chemi
		callidad offset name newticals and its application		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		collidoal effect nano particals and its application		teria%201%20updated/2021-
Nano Technology				22%20bos_merged_compressed.pdf
Disaster Management	1000007	Emergency response and disaster management	2022	https://web.mitsgwalior.in/images/Departments/chemi
		plan		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2021-
				22%20bos merged compressed.pdf
Transpprt Phenomena	170711	shell balance approch for developing equation		https://web.mitsgwalior.in/images/Departments/chemi
			2020	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2020	teria%201%20updated/2021-
				22%20bos_merged_compressed.pdf

				https://web.mitsgwalior.in/images/Departments/chemi
Equilibrium Stage Operation	170712	Technical Skills of Chemical Seperation Processes		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2020	teria%201%20updated/2021-
				22%20bos merged compressed.pdf
				https://web.mitsgwalior.in/images/Departments/chemi
Industrial Pollution prevention and		Familiarization with industrial pollution methods		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
Control	170713	and environmental regulations	2020	teria%201%20updated/2021-
Control		and environmental regulations		22%20bos merged compressed.pdf
				https://web.mitsgwalior.in/images/Departments/chemi
		Comprehensive knowledge of Petrochemical		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
Petrochemical Technology	170714	sectors	2020	teria%201%20updated/2021-
				22%20bos merged compressed.pdf
				https://web.mitsgwalior.in/images/Departments/chemi
		Application of petroleaum technology in the		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
Petroleum Processing Technology	900211	process of chemical industry	2017	teria%201%20updated/2021-
		ľ		22%20bos merged compressed.pdf
	900223			https://web.mitsgwalior.in/images/Departments/chemi
		Fall tree analysis,EPA		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2020	teria%201%20updated/2021-
Industrial Safety and Hazards				22%20bos merged compressed.pdf
	170851	Application of optimization techniques to chemical processes		http://103.25.130.79/~mitsgwalior/images/Department
Ontinination in Chaminal Face			2016	s/chemical engineering/NAAC%20FILE%2016.12.22/su
Optimization in Chemical Engg.				mmary%20iii%20jan%20-%20june%202021-
				merged%201.pdf
	170653	Utilization of membrane by using different Technology	2020	http://103.25.130.79/~mitsgwalior/images/Department
Membrane Technology				s/chemical engineering/NAAC%20FILE%2016.12.22/20
				21%20BOS%20COMPRESSED.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Energy Conservation and Waste	170754	Utilization of waste in the form of energy	2021	s/chemical_engineering/NAAC%20FILE%2016.12.22/20
Heat Recovery	170734	othization of waste in the form of energy	2021	21%20JUNE%20BOS%20Meeting%20June%202021_co
				mpressed.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Waste to energy conversion	170852	Utilization of waste materials for unconventional	2020	s/chemical engineering/NAAC%20FILE%2016.12.22/su
waste to energy conversion	170832	energy production	2020	mmary%20iii%20jan%20-%20june%202021-
				merged%201.pdf
		Exploration of various types of biomass as		http://103.25.130.79/~mitsgwalior/images/Department
Biomass Conversion and Biorefinery	170852		2020	s/chemical engineering/NAAC%20FILE%2016.12.22/su
Biomass Conversion and Biorennery	170853	alternate sources of energy & energy production from them	2020	mmary%20iii%20jan%20-%20june%202021-
				merged%201.pdf

Computational Fluid Dynamics	900622	Application of process flow calculations & familiarization with ANSYS (commercial CFD software)	2020	http://103.25.130.79/~mitsgwalior/images/Department s/chemical_engineering/NAAC%20FILE%2016.12.22/su mmary%20iii%20jan%20-%20june%202021- merged%201.pdf
Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	900607	Technical skills development regarding various energy	2020	http://103.25.130.79/~mitsgwalior/images/Department s/chemical_engineering/NAAC%20FILE%2016.12.22/su mmary%20iii%20jan%20-%20june%202021- merged%201.pdf
Environmental Quality Monitoring & Analysis	900623	Familiarization with Environmental Quality Montitoring & Analysis in Chemical Industry	2020	http://103.25.130.79/~mitsgwalior/images/Department s/chemical_engineering/NAAC%20FILE%2016.12.22/su mmary%20iii%20jan%20-%20june%202021- merged%201.pdf
Multiphase Flow	170652	Simultaneous flow of multiphase through porous media	2017	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2%202021-22 merged.pdf
Physical and electrochemical characterzation in chemical engineer	170654	Characterization of nano particales and semi conductors	2021	https://web.mitsgwalior.in/images/Departments/chemical_engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2%202021-22_merged.pdf
Numerical Methods for Engineers	170753	Interpolation of engineering Problem	2020	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2%202021-22 merged.pdf
Principles and Practices of Process Equipment and Plant Design	170755	Ergonomics in plant design	2020	https://web.mitsgwalior.in/images/Departments/chemical_engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2%202021-22_merged.pdf
Physico chrmical processes for waste water treatment	170854	Aerobic/anaerobic sludge treatment	2021	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2%202021-22 merged.pdf
Chemical Process utilities	170855	Drum collers,drum dryers and cooling tower	2021	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2%202021-22 merged.pdf

Hetrogeneous reaction system	170615	Seven steps of catalysis	2021	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/New%20course%20added/2%202021-22 merged-signed.pdf
Electrochemical Technology in pollution control	900624	Dialysis, electrostatic precipitator	2021	https://web.mitsgwalior.in/images/Departments/chemical_engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2%202021-22_merged.pdf
Social Network	150851	Handling Real-world Network Datasets, Strength of Weak Ties, Homophily, Link Analysis, Cascading Behaviour in Networks, Power Laws	2020	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Ethical Hacking	150854	Ethical Disclosure, Cyber Ethics, Information Gathering, Scanning, networking, network security, and cryptography, vanous attacks and vulnerabilities and ways to secure them, Penetration Testing and Tools, Exploits, Vulnerability Analysis	2021	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Hardware Security	150855	Different Issues of Hardware Security, Hardware Security Primitives, Cryptographic Hardware, security threats onmodern hardware design, manufacturing, installation, and operating practices	2021	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Blockchain and its Application	150856	Blockchain Technology and its Importance, Digital Signature, Blockchain Consensus, Smart Contract, Decentralized Identity Management, Blockchain Interoperability	2021	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Online Privacy	150857	Various Privacy breaches, forms of Privacy, Social Media Privacy, Image & Location privacy, Privacy policies	2021	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Reinforcement Learning	150853	Reinforcement Learning algorithms: Bandit algorithms, Full RL & MDPs, Bellman Optimality, Dynamic Programming, Eligibility Traces, Function Approximation	2020	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Ethical Hacking(OC-4)	900627	Cyber Ethics, Information Gathering, Scanning, networking, network security, and cryptography, vanous attacks and vulnerabilities and ways to secure them	2021	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf

Introduction to Internet of Things	900619	loT Introduction and Fundamentals,Basics of Networking, IOT PROTOCOLS, components, Sensor Networks, Interoperability in IoT, Cloud Computing in IoT	2019	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Online Privacy(OC-4)	900628	Various Privacy breaches, forms of Privacy, Social Media Privacy, Image & Location privacy, Privacy policies	2021	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Internship / Project	150801	Intership or project	2021	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Professional Development	150802	Leadership, Networking, Communicating New Skills, Creative Confidence	2021	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Networking with TCP/IP	150711	TCP/IP model, Subnetting and Supernetting, TCP and UDP Protocols, Routing Protocols, Troubleshooting Principles	2015	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Data Mining and Warehousing	150712	Data Mining, Data Warehouse and OLTP Technology for Data Mining, Data Pre- processing, Mining Association Rules in Large Databases, Classification & Predication and Cluster Analysis	2020	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Distributed Systems	150713	Distributed Computing Model, Distributed Share Memory, Distributed File System, Inter Process Communication and Synchronization, Distributed Scheduling and Deadlock	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Cloud Computing	150754	Cloud Computing Architecture, Service Management, Data Management, Resource Management, Cloud Security	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Deep Learning	150755	Artificial Neural Networks, Convolutional Neural Networks, Recurrent Neural Networks, Deep Unsupervised Learning, Applications of Deep Learning	2020	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Software Testing	150756	Software Structure and Software Testing, Testing Tactics, Testing & Levels, Special Tests, Test Planning	2021	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Departmental Lab	150701	Lab practicals related to Basic Programming	2020	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf

Summer Internship-III	150702	The primary purpose of doing an academic internship is to better understand the theories, ideas, and practices of your discipline or major by actively engaging in a "hands-on," workbased, learning experience.	2020	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Creative Problem Solving	150703	Problem Soving, Algoithm design, Data Strucutres	2020	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Compiler Design	150601	Translation Process, Lexical Analysis, Syntax Analysis, Semantic Analysis, Code Generation and Code Optimization	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Computer Network	150602	Networking Protocols, OSI Reference Model & TCP/IP Reference Model	2019	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Network & Web Security	150611	Security Principles, Cryptography, Hash Functions, IP & Web Security, Phishing	2015	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Image Processing	150612	Image Processing Systems, Image Enhancement in spatial Domain, Image Enhancement in Frequency Domain, Image Restoration, Morphological Image Processing, Image Registration, Image Segmentation	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Mobile Computing	150613	Personal Communication Services(PCS), General Packet Radio Services(GPRS), Wireless Application Protocol(WAP), Third Generation (3G) Mobile Services, Wireless Local Loop (WLL)	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
An Introduction to Artificial Intelligence	150654	Modeling a Problem as Search Problem, Uninformed Search, Conventional Vs Machine Learning Programming, Machine Learning, Intelligent Agent, Artificial Intelligence in Real World, Reinforcement Learning	2019	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Introduction to Internet of Things	150656	loT Introduction and Fundamentals, Basics of Networking, IOT PROTOCOLS, components, Sensor Networks, Interoperability in IoT, Cloud Computing in IoT	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20Jan-June%202022.pdf

Object Oriented System Development Using UML, Java and Patterns	150657	Life Cycle Models for OO Development, Use Case Diagram, Class Diagram I, Class Diagram II, Sequence Diagram, State chart diagram, Design process, GRASP patterns	2019	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Data Structures	900106	Algorithms, Arrya, Linked List, Stack, Queue, Graph, Tree, Searching and Sorting	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Python Programming	900107	Python Introduction, Tuples and Lists, Functions, Files and Exceptions, Data Visualization	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Minor Project - II	150603	To develop ability to identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics, Literature study/ Fabrication/ Experimentation	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Discrete Structures	150501	Sets, Functions, Propositional logic, Graph Theory, Group Theory	2015	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Software Engineering	150502	Requirement Engineering, Software Metrics, Project Management and Estimation, Software Testing	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Theory of Computation	150503	Automata, Computability and Complexity, Push down Automata, Turing Machine, Decidability	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Microprocessor & Interfacing	150504	Microprocessors (8086), Basic Peripherals and Interfacing, Special Purpose Programmable Peripheral Devices and Interfacing, Serial and Parallel Data Transfer, Microcontrollers	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Minor Project-I	150505	In this course the students apply the programming knowledge into a real- world situation/problem and exposed the students how programming skills helps in developing a good engineer	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Summer interenship Project- II(Evaluation)	150506	The primary purpose of doing an academic internship is to better understand the theories, ideas, and practices of your discipline or major by actively engaging in a "hands-on," workbased, learning experience.	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf

Self Learning/ Preseantation(SWAYAM/ NPTEL/MOOC)	150507	MOOC Courses	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Computer Networks	150411	Networking Protocols, OSI Reference Model & TCP/IP Reference Model	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Database Management System	150412	SQL, Normalization, Transaction Processing & Concurrency Control	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Software Engineering	150413	Requirement Engineering, Software Metrics, Project Management and Estimation, Software Testing	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Theory of Computation	150414	Automata, Computability and Complexity, Push down Automata, Turing Machine, Decidability	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Programming Lab Python Programming	150415	Setting up programming environment, running python programs from a terminal, Python: basics, functions, loops, Object oriented concepts, and working with libraries	2021	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Discrete Structures	150416	Sets, Functions, Propositional logic, Graph Theory, Group Theory	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Computer System Organization	150311	Central Processing Unit (CPU), Computer Arithmetic, Microprocessors, Input-Output Organization, Memory Organization	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Operating System	150312	Basics of operating systems, Process management, Memory management, Storage management	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Computer Graphics	150313	Interactive Computer Graphics, Scan Conversion Technique, 2D & 3D Transformations, Clipping	2021	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Design and Analysis of Algorithms	150314	Algorithms and its importance, Algorithm Design Methods (Divide and Conquer Method, Greedy Method, Dynamic Programming, Backtracking), Algorithm Analysis	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf

Computer Hardware and Troubleshooting Lab	150315	Familiarize the computer system Layout, Understanding of Motherboard and its interfacing component, Installation and configuration Windows and Linux operating systems, Remote desktop connections and file sharing	2021	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Self Learning/ Preseantation(SWAYAM/ NPTEL/MOOC)	150316	MOOC Courses	2021	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Summer Internship Project - I	150317	In house internship	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/NAAC/1.1.3%20July%20- Dec%202021%202021.pdf
Data Structures	150214	Algorithms, Arrya, Linked List, Stack, Queue, Graph, Tree, Searching and Sorting	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Object Oriented Programming & Methodology	150212	Object Oriented Concepts, Programming Techniques, Classes & Objects, Constructors and Destructors, Polymorphism, Inheritance, Pointer & File Concept	2020	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
Digital Electronics	150213	Number System, Boolean Algebra, Boolean Functions, Boolean Relations, Digital Logic Gates, Combinational Circuits, Sequential Circuits, Memory Decoding, Sequential Programmable Devices	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20Jan-June%202022.pdf
IT Workshop	150111	Evolution of internet, Cyber security and cyber laws, Professional word documents excel, spreadsheets, and power point presentations, Operating System and Software Installations, HTML, Python Langauge	2020	https://web.mitsgwalior.in/images/Departments/Computer-Science/NAAC/1.1.3%20July%20-Dec%202021%202021.pdf
Architectural Design I	210112	FORM BUILDING(MODELS) and Product Design	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Graphics - I	210114	Solve basic problems involving graphics and spatial manipulations for architectural Isometric view: Exterior view of a simple residential building showing all building components.  Axonometric view: Axonometric view of a room interior showing all interior components.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf

Workshop I  Professional Communication	210117	Introduction, type of patterns, pattern making, preparation of moulds and moulding equipment detail. Associate properties of different materials and products for designing and model making  Essentials of good writing, Technical Descriptions of Simple Engineering Objects; Formal (Application, Email, CV, Résumé, Memo, Report writing)  Implement professional work habits, including those necessary for effective collaboration and corporation with others (HOTS4)	2020	https://web.mitsgwalior.in/images/Departments/archit ecture planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Troressional communication	210111	Study of contemporary practices & design for town houses and villas in urban areas, to sensitize the students towards life style, individual preferences, space – activity relationship and exploration of how material, color, texture and light affect the quality of spaces is the main focus. It is also intended as an exercise in massing & configuration of façade elements such as the balancing of solids & voids, adoption of a system of proportioning and elements of contemporary detailing. This design exercise will also attempt to involve the student in the built form / open space relationship & explore the connectivity between indoor & outdoor spaces./ Design independent residential buildings in urban areas with concepts that respond to	2020	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Architectural Design III	210311	UNIT-3DETAILS OF DOORS, WINDOWS & VENTILATORS: Timber Doors and its Joints: Single, double-leaf, ledged braced & battened door, framed ledged braced &battened door, Paneled door, flush door, and Composite door., Timber Doors and its Joints: Single, double-leaf, ledged braced & battened door, framed ledged braced &battened door, Paneled door, flush door, and Composite door.,Timbers Windows & ventilators: Casement(side hug & top hug), Sliding pivoted (horizontal and vertical) foldingand bay windows, fixed light of different sizes and shapes.,Combined doors and windows and ventilators.:Draw types of timber doors, windows, ventilators and its joinery detail.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Building Construction II	210312		2017	

Graphics III Surveying & Levelling	210313 210314	Exercise will be a group activity; to measure and draw the floor plan along with the plot boundaries, four side elevations, four sections, block plan, site plan of a large building or a settlement with the help of CAD. In addition to this drawing shall be prepared based on examples of buildings by giving a sketch design. Drawings shall be detailed enough to explain the complete design.:Develop Basic skills in visual composition using Graphics  Leveling and contouring.:Work out the contour surveying with the help of leveling instrument	2020 2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf  https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Architectural Design V	210501	MATERIAL STUDIO, Analyzethe culture of a place – building types such as the cultural center comprising of spaces such as the art gallery, auditorium for performing arts, library etc HEALTHCARE BUILDINGS, Hospitals and Nursing homes are a special category of buildings where functional aspects such as planning, building services & the creation of a sterile environment become important design issues.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Building Construction IV	210502	BUILDING MATERIALS –IV, STEEL, WALL & FLOOR, PARTITIONS & FALSE CEILING, THERMAL INSULATION AND ACOUSTICS INSULATION	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Building Services II	210510	ELECTRICAL SERVICES, ILLUMINATION AND LIGHTING DESIGN, AIR CONDITIONING ,UNIT-4 PUMPS AND MACHINERIES, ELECTRICAL AND AC DUCT LAYOUT OF SIMPLE BUILDINGS.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Building Science and energy conservation	210504	UNIT-1 CLIMATE &THERMAL COMFORT, UNIT-2 SOLAR GEOMETRY &DESIGN OF SUNSHADING DEVICES UNIT-3 PRINCIPLES OF THERMAL DESIGN IN BUILDINGS ,UNIT-4 VENTILATION & DAY LIGHTING UNIT-5 DESIGN FOR CLIMATIC TYPES	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Visual Communication Design for		This course impart knowledge on the different aspects of visual communication design, emphasizing on virtual media platform, emphasize on understanding of visual cognition, which is the key factor to achieve user-friendly		https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202021.pdf
Digital Media (SWAYAM)	210508	design.	2017	https://web.weiteguelies.in/in-a-a/D-a-adva-adv/
		Student understands the construction, changing trends and lifestyles innovations and design		https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202021.pdf
Elective II Interior Design	210512	ideas.	2017	

Elective II Architectural		Student understands the field of conservation,		https://web.mitsgwalior.in/images/Departments/archit
conservation and historic		its techniques and develop a base for practical		ecture planning/BOS/BOS%20April%202021.pdf
preservation	210513	field work.	2017	
Elective II Reginally Responsive		student will understand the role of regional		https://web.mitsgwalior.in/images/Departments/archit
Architecture	210514	awareness and how it affect the design	2017	ecture planning/BOS/BOS%20April%202021.pdf
		Students understands about the composition of		https://web.mitsgwalior.in/images/Departments/archit
Elective II Space Architecture		space design so that they can understand the		ecture planning/BOS/BOS%20April%202021.pdf
Design	210515	proer circulation space.	2017	
		UNIT-1 - The range of design problems shall		https://web.mitsgwalior.in/images/Departments/archit
		include projects of progressively increasing		ecture planning/co/B%20Arch%20Syllabus%202020%2
		complexity.		02021CO%20MAPPING.docx.pdf
		Exercises related to public buildings i.e,		
		Commercial center, hospital, Study and		
		incorporation of building bye-laws should be		
		complete in this Sem.		
		UNIT-2- The range of design problems shall		
		include projects of progressively increasing		
		complexity.		
		Exercises related to public buildings i.e.		
		Auditorium, sports cinema, sports complex &		
Architectural Design VII	210701	educational buildings.	2017	
		UNIT-1 SPECIAL STRUCTURES, UNIT- 2 ADVANCE		https://web.mitsgwalior.in/images/Departments/archit
		CONSTRUCTION SYSTEM,UNIT- 3 PRE STRESSED		ecture_planning/co/B%20Arch%20Syllabus%202020%2
		CONCRETE		02021CO%20MAPPING.docx.pdf
		UNIT- 4 TALL BUILDINGS, UNIT- 5 SHELLS AND		
Advance Building Construction I	210702	FOLDED PLATES	2017	
				https://web.mitsgwalior.in/images/Departments/archit
Project Management & Building		Students obtain the ability to appreciate the		ecture_planning/co/B%20Arch%20Syllabus%202020%2
Economics	210703	three dimensional implications of design.	2017	02021CO%20MAPPING.docx.pdf
		Student can estimate the costing and		https://web.mitsgwalior.in/images/Departments/archit
		specification of small porjects and undersstands		ecture planning/co/B%20Arch%20Syllabus%202020%2
		about the successful		02021CO%20MAPPING.docx.pdf
		implementation of the project to know about		
Estimating and Costing &		the material required and cost to be incurred		
Specification	210704	before starting a new project.	2017	

This course help students to plan for our smart crities in a more comprehensive way including urban demographic transitions, real estate development, residential location choice, land price fluctuations and transportation planning.  Additionally, the course focuses on transport infrastructure and freight planning.  Additionally, the course focuses on transport infrastructure and freight planning.  Elective V-Urban governance and believe organizations like municipal corporations, development authorities etc.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  2017  https://web.mitsgwalior.in/images/Departments/archit ecture planning/BOS/BOS%20April%202021.pdf  and experience for operating under an expert in a particular field or area of specialisation.  Present and past paradigms in planning as the distinct perspectively from which problems and solutions are being defined. Object-centred, the course of paraminers and solutions are being defined. Object-cen					https://web.mitsgwalior.in/images/Departments/archit
cities in a more comprehensive way including urban demographic transitions, real estate development, residential location choice, land price fluctuations and transportation planning. Additionally, the course focuses on transport transport transportation planning (SWAYAM) 210752 infrastructure and freight planning.  Elective V-Urban governance and Development Management (UGDM) (SWAYAM) 210753 infrastructure and freight planning.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc. 2017  This course help students with the fundamental aspects of structural helps students with the fundamental aspects of structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems like a truss, and Applications (SWAYAM) 210754 space frame, plates, shell, tensile structure etc.  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. Object-centred', the 'control-centred', and the 'decision-centred' and the 'decision-centred' and the 'decision-centred' by paradigms.  Planning Principles & Theories 670103 and policies.  Methods or processes followed by planners in preparing or evaluating their plans, programs, programs, and policies.  Planning Techniques 670103 and policies, goals, investments, and befining future policies, goals, investments, and infrastructure & Transportation  Defining future policies, goals, investments, and befining future policies, goals, investments, and thitps://web.mitsgwallor.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf structure_planning/BOS/BOS%20April%202021.pdf structure_planning/BOS/BOS%20April%202021.			This course help studeths to plan for our smart		
Library   Libr			I · · · · · · · · · · · · · · · · · · ·		ecture planning/BO3/BO3/820April/8202021.pui
development, residential location choice, land price fluctuations and transportation planning. Additionally, the course focuses on transport transportation planning (SWAYAM) 210752 infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport infrastructure and freight planning. Additionally, the course focuses on transport in and regional development authorities etc.  2017  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf on the course planning as the distinct perspective(s) from which problems and solutions are being defined. Object-centred', the course planning/BOS/BOS%20April%202021.pdf or social, health and other human services with spatial planning, physical and social features like coperating. Additional planning, physical and social features like coperating. Additional planning designs to prepare for future planning/BOS/BOS%20April%202021.pdf or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and hypothesia planning/BOS/BOS%20April%202021.pdf or the cuture_planning/BOS/BOS%20April%202021.pdf or			-		
Price fluctuations and transportation planning. Additionally, the course focuses on transport infrastructure and freight planning.   2017					
Elective V-Urban Landuse and transportation planning (SWAYAM) 210752  Elective V-Urban governance and (SWAYAM) 210753  This course help students in working at the city and regional level organizations like municipal corporations, development analysis, the distinct of structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems, the structural etc.  Elective V- Glass in buildings: Design and Applications (SWAYAM) 210754  Elective V- Glass in buildings: Design and Applications (SWAYAM) 210754  Elective V- Glass in buildings: Design and Applications (SWAYAM) 210754  Elective V- Glass in buildings: Design and Applications (SWAYAM) 210754  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation. 2017  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', paradigms.  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future entry to prepare for future entry to paradigms to prepare for future entry and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future entry to parading designs to prepare for future entry to paramine designs to prepare for future entry to paramine designs to prepare for future			I The state of the		
transportation planning (SWAYAM) 210752 infrastructure and freight planning.  Elective V-Urban governance and Development Management (UGDM) (SWAYAM) 210753 corporations, development authorities etc. 2017  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc. 2017  This course help students with the fundamental aspects of structural theories including statics and structural systems, the strength of material, structural mechanics and structural systems, the strength of material, structural mechanics and structural systems, the strength of material, structural mechanics and structural systems like a trus, space frame, plates, shell, tensile structure etc.  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Professional Training 210901 Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the control-centred', and the 'decision-centred' to social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and infrastructure & Transportation planning designs to prepare for future decture. planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mit			I		
Elective V-Urban governance and Development Management (UGDM) (SWAYAM)  210753  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  This course helps students with the fundamental aspects of structural theories including statics and structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems like a truss, space frame, plates, shell, tensile structure etc.  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Professional Training  210901  Professional Training  210901  Pranning Principles & Theories  67011  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  Socio-Economic Basis for Planning  670102  Settlements etc.  This course help students with the fundamental aspects of structural systems. It hernally in the cuture planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture planning/BOS/BOS%20April%202021.pdf		0.4.0==0	· ·	2017	
Elective V-Urban governance and Development Management (UGDM) (SWAYAM)  210753 corporations, development authorities etc.  This course help students in working at the city and regional level organizations like municipal corporations, development authorities etc.  This course helps students with the fundamental aspects of structural theories including statics and structural systems, the strength of material, structural systems, the strength of material, structural manalysis, the various types of structural systems like a truss, and Applications (SWAYAM)  210754 space frame, plates, shell, tensile structure etc.  Students get the acquisition of knowledge, skills and experience for operating under an expert in distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred' paradigms.  Planning Principles & Theories  670112 Planning Principles & Theories  670103 Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Planning Techniques  670103 Defining future policies, goals, investments, and spatial planning policies.  Defining future policies, goals, investments, and spatial planning planning gelogies to prepare for future ecture. planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/a	transportation planning (SWAYAM)	210/52	infrastructure and freight planning.	2017	
Development Management (UGDM) (SWAYAM) 210753 and regional level organizations like municipal corporations, development authorities etc. 2017  This course helps students with the fundamental aspects of structural theories including statics and structural systems, the strength of material, structural structural systems, the strength of material, structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems like a truss, space frame, plates, shell, tensile structure etc. 2017  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Professional Training 210901 Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred' paradigms.  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Planning Techniques 670103 Anticipations of processes followed by planners in preparing or evaluating their planning, programs, and policies.  Defining future policies, goals, investments, and spatial planning/BOS/BOS%20April%202021.pdf  bittps://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202021.pdf  bittps://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202021.pdf  bittps://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202021.pdf  bittps://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202021.pdf  bittps://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202021.pdf  bittps://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202021.pdf  bittps://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202021.					
(SWAYAM)  210753 corporations, development authorities etc.  2017 https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  This course helps students with the fundamental aspects of structural systems, the strength of material, structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems like a truss, space frame, plates, shell, tensile structure etc.  Professional Training  210901 a particular field or area of specialisation.  Professional Training  210901 a particular field or area of specialisation.  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred' paradigms.  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  Socio-Economic Basis for Planning  670102 settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Planning Techniques  670103 befining future policies, goals, investments, and Infrastructure & Transportation  Spatial planning designs to prepare for future  1017 https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  1017 https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  1017 https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  1017 https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  1018 https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  1019 https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  1019 https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%20202	_		, , , , , , , , , , , , , , , , , , , ,		ecture_planning/BOS/BOS%20April%202021.pdf
This course helps students with the fundamental aspects of structural theories including statics and structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems like a truss, space frame, plates, shell, tensile structure etc.  Elective V- Glass in buildings: Design and Applications (SWAYAM)  210754  210754  2107554  2107555  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred'  Planning Principles & Theories  670111  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Planning Techniques  670102  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and Infrastructure & Transportation  Spatial planning designs to prepare for future  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwal	=		= -		
This course helps students with the fundamental aspects of structural theories including statics and structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems like a truss, space frame, plates, shell, tensile structure etc.  2017  210754  210754  210755  21075	(SWAYAM)	210753	corporations, development authorities etc.	2017	
aspects of structural theories including statics and structural systems, the strength of material, structural mechanics and structural systems, the strength of material, structural mechanics and structural analysis, the various types of structural systems like a truss, space frame, plates, shell, tensile structure etc.  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Professional Training  210901  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred' paradigms.  Planning Principles & Theories  670111  Socio-Economic Basis for Planning  670102  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future  aspects of structural systems, the strength of material, structure etc.  2017  https://web.mitsgwalior.in/images/Departments/archit ecture planning/BOS/BOS%20April%202021.pdf					
and structural systems, the strength of material, structural systems in buildings: Design and Applications (SWAYAM)  210754  210754  210755  21075  2107  210			·		ecture_planning/BOS/BOS%20April%202021.pdf
structural mechanics and structural analysis, the various types of structural systems like a truss, and Applications (SWAYAM)  210754  210754  210754  210755  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Professional Training  210901  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred' paradigms.  Planning Principles & Theories  670111  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Planning Techniques  670102  Amethods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future  structural systems like a truss, and structural systems like a truss, sand space frame, plates, shell, tensile structure etc.  2017  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			aspects of structural theories including statics		
Elective V- Glass in buildings: Design and Applications (SWAYAM)  210754  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Professional Training  210901  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred'  Planning Principles & Theories  670111  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  Socio-Economic Basis for Planning  670102  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future  various types of structural systems like a truss, space frame, plates, shell, tensile structure etc.  2017  https://web.mitsgwalior.in/images/Departments/archit ecture planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			and structural systems, the strength of material,		
and Applications (SWAYAM)  210754 space frame, plates, shell, tensile structure etc.  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred' paradigms.  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  Socio-Economic Basis for Planning  Flanning Techniques  Applications (SWAYAM)  Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  2017  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			structural mechanics and structural analysis, the		
Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred'  Planning Principles & Theories  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Planning Techniques  670102  Socio-Economic Basis for Planning  670103  Defining future policies, goals, investments, and Infrastructure & Transportation  Students get the acquisition of knowledge, skills and experting ecture planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture planning/BOS/BOS%20April%202021.pdf	Elective V- Glass in buildings: Design		various types of structural systems like a truss,		
Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred'  Planning Principles & Theories  670111 paradigms.  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  Socio-Economic Basis for Planning  670102 settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf	and Applications (SWAYAM)	210754	space frame, plates, shell, tensile structure etc.	2017	
and experience for operating under an expert in a particular field or area of specialisation.  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred'  Planning Principles & Theories  670111 paradigms.  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  Socio-Economic Basis for Planning  670102 Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Planning Techniques  670103 Defining future policies, goals, investments, and spatial planning designs to prepare for future  and experience for operating under an expert in a particular field or area of specialisation.  2017  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf					https://web.mitsgwalior.in/images/Departments/archit
Professional Training 210901 a particular field or area of specialisation. 2017  Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred'  Planning Principles & Theories 670111 paradigms. 2017  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc. 2017  Socio-Economic Basis for Planning 670102 settlements etc. 2017  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies. 2017  Defining future policies, goals, investments, and spatial planning designs to prepare for future ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			Students get the acquisition of knowledge, skills		ecture_planning/BOS/BOS%20April%202021.pdf
Present and past paradigms in planning as the distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred' paradigms.  Planning Principles & Theories  670111  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Socio-Economic Basis for Planning  670102  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future  Planning Techniques  Present and past paradigms in planning as the distinct perspective(s) from which problems and solicities ecture planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			and experience for operating under an expert in		
distinct perspective(s) from which problems and solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred'  Planning Principles & Theories  670111  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  Socio-Economic Basis for Planning  670102  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and Infrastructure & Transportation  distinct perspective(s) from which problems and solution being defined. 'object-centred', the 'control-centred', the 'control-centred', the 'control-centred' being defined. 'object-centred', the 'control-centred' being defined. 'object-centred', the 'control-centred'  2017  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf	Professional Training	210901	a particular field or area of specialisation.	2017	
solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred'  Planning Principles & Theories  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  Socio-Economic Basis for Planning  Formula (Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future  solutions are being defined. 'object-centred', the 'control-centred', and the 'decision-centred'  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			Present and past paradigms in planning as the		https://web.mitsgwalior.in/images/Departments/archit
Control-centred', and the 'decision-centred'   Planning Principles & Theories   G70111   paradigms.   2017			distinct perspective(s) from which problems and		ecture planning/BOS/BOS%20April%202021.pdf
Planning Principles & Theories 670111 paradigms. 2017  Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Socio-Economic Basis for Planning 670102 settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, Planning Techniques 670103 and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future 92017 https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			solutions are being defined. 'object-centred', the		
Anticipations of and response to future needs for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  Socio-Economic Basis for Planning  670102 Settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Planning Techniques  670103 Defining future policies, goals, investments, and Infrastructure & Transportation  Anticipations of and response to future needs for social, health and other human services with spatial planning designs to prepare for future  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			'control-centred', and the 'decision-centred'		
for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population settlements etc.  Socio-Economic Basis for Planning  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Planning Techniques  670103  Defining future policies, goals, investments, and spatial planning designs to prepare for future  for social, health and other human services with spatial planning, physical and social features like topography, drainage, climate, population  2017  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf	Planning Principles & Theories	670111		2017	
spatial planning, physical and social features like topography, drainage, climate, population Socio-Economic Basis for Planning 670102 settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, Planning Techniques  670103 and policies.  Defining future policies, goals, investments, and Infrastructure & Transportation  spatial planning, physical and social features like topography, drainage, climate, population  2017  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			Anticipations of and response to future needs		https://web.mitsgwalior.in/images/Departments/archit
topography, drainage, climate, population settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, and policies.  Planning Techniques  Operation  Defining future policies, goals, investments, and spatial planning designs to prepare for future  topography, drainage, climate, population 2017  Methods or processes followed by planners in preparing or evaluating their plans, programs, and properties and properties and properties and properties and properties and planning designs to prepare for future  operation  Attps://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			for social, health and other human services with		ecture planning/BOS/BOS%20April%202021.pdf
Socio-Economic Basis for Planning 670102 settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, Planning Techniques  Operating of the policies of the processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future  2017  Methods or processes followed by planners in preparing or evaluating their plans, programs, and processes followed by planners in https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			spatial planning, physical and social features like		
Socio-Economic Basis for Planning 670102 settlements etc.  Methods or processes followed by planners in preparing or evaluating their plans, programs, Planning Techniques  Operating of the policies of the processes followed by planners in preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future  2017  Methods or processes followed by planners in preparing or evaluating their plans, programs, and processes followed by planners in https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			topography, drainage, climate, population		
preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future  preparing or evaluating their plans, programs, and policies.  2017  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf	Socio-Economic Basis for Planning	670102	settlements etc.	2017	
preparing or evaluating their plans, programs, and policies.  Defining future policies, goals, investments, and spatial planning designs to prepare for future  preparing or evaluating their plans, programs, and policies.  2017  https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOS%20April%202021.pdf			Methods or processes followed by planners in		https://web.mitsgwalior.in/images/Departments/archit
Planning Techniques 670103 and policies. 2017  Defining future policies, goals, investments, and spatial planning designs to prepare for future ecture planning/BOS/BOS%20April%202021.pdf			preparing or evaluating their plans, programs,		
Infrastructure & Transportation spatial planning designs to prepare for future ecture_planning/BOS/BOS%20April%202021.pdf	Planning Techniques	670103		2017	
			Defining future policies, goals, investments, and		https://web.mitsgwalior.in/images/Departments/archit
	Infrastructure & Transportation		spatial planning designs to prepare for future		ecture_planning/BOS/BOS%20April%202021.pdf
	Planning	670104	needs to move.	2017	

		fundamental concepts and theories of Housing		https://web.mitsgwalior.in/images/Departments/archit
		and apply them		ecture planning/BOS/BOS%20April%202021.pdf
		in their design projects, various types of Housing		ecture planning/bO3/bO3/bO3/bZUAprii/6ZUZUZ1.pdi
Haveine	670115	1	2017	
Housing	670115	and its components.	2017	
		Film appreciation, literature review and area		https://web.mitsgwalior.in/images/Departments/archit
Studio Course-I	670106	appreciation	2017	ecture planning/BOS/BOS%20April%202021.pdf
				https://web.mitsgwalior.in/images/Departments/archit
Studio Course-II	670107	Site Planning and prepare city development plan	2017	ecture_planning/BOS/BOS%20April%202021.pdf
		Inclusive Planning, Stakeholders Profile and		https://web.mitsgwalior.in/images/Departments/archit
		Needs, Access to Shelter, Services and		ecture_planning/BOS/BOS%20April%202021.pdf
Elective-I (Inclusive Urban Planning)	670311	Livelihoods	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		Tourism plays a very important role in todays		ecture planning/BOS/BOS%20April%202021.pdf
Elective-I (Planning for Tourism)	670312	time as it promotes the economy of the country.	2017	
		Energy Generation and Consumption, Energy		https://web.mitsgwalior.in/images/Departments/archit
Elective-II Environment,		Planning and Management, and Mitigation and		ecture planning/BOS/BOS%20April%202021.pdf
Development and Disaster		Adaptation to Climate Change, Plans, Policies		
Management,	670313	and Strategies & Policies.	2017	
		student will know about climate factor; relation		https://web.mitsgwalior.in/images/Departments/archit
Elective-II Energy, Climate		of energy, climate & urban context, how all three		ecture planning/BOS/BOS%20April%202021.pdf
changeand Urban Development	670314	affect one another	2017	
·		Identification of key issues related to the area of		https://web.mitsgwalior.in/images/Departments/archit
		planning & understanding of standards and		ecture planning/BOS/BOS%20April%202021.pdf
Seminar	670303	conventions of doing research.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		Standards and conventions of doing research		ecture planning/BOS/BOS%20April%202021.pdf
		and gain preliminary background information		
		that puts the research in contemporary context		
		and undertake research on past initiatives and		
Pre-Dissertation	670304	future possibilities in the area.	2017	
		The second secon	====	

	Ī			https://web.mitsgwalior.in/images/Departments/archit
		DDOJECT 1/Duntations 1: CINICIE CDACE		
		PROJECT 1(Prototype ): SINGLE SPACE		ecture planning/co/B%20Arch%20Syllabus%202020%2
		DESIGN,PROJECT 2(Prototype): SMALL SCALE		02021CO%20MAPPING.docx.pdf
		MULTI-SPACE DESIGN		
		Enlighten the student on the design project		
		overview & the design process to be followed		
		through relevant presentations.		
		Present an analytical discourse on an identical		
		architectural design project covering		
		Architectural, elements, spaces & terms		
Architectural Design II	210211	Noted projects & architects, Space planning etc.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		UNIT-1 LOW-COST CONSTRUCTION - Foundation		ecture planning/co/B%20Arch%20Syllabus%202020%2
		and wallsin stabilized mud-rammed earth and		02021CO%20MAPPING.docx.pdf
		compact earth blocksIntroduction toLow-cost		
		construction techniques and materials with		
		combinations of mud and terra – cotta.		
		UNIT-2 INTRODUCTION OF BASIC BUILDING		
		COMPONENTS, UNIT-3 WALL, UNIT -4		
		INTRODUCTION TO OPENINGS		
		UNIT-5 ROOFS - Simple configurations and		
		details of various forms of roofs: Flat, sloped,		
Building Construction I	201212	pyramids and dome.	2017	
		UNIT-1 ELEMENTS AND PRINCIPLES OF		https://web.mitsgwalior.in/images/Departments/archit
		PERSPECTIVE DRAWING - Principles of		ecture planning/co/B%20Arch%20Syllabus%202020%2
		perspective drawings and understanding of all		02021CO%20MAPPING.docx.pdf
		relevant terms like Picture Plane, Centre line of		
		vision, Eye Level, Height Line, Vanishing Points,		
		Cone of Vision, Station Point, Horizon line,		
		Ground line etc. UNIT-2 TWO POINT		
		PERSPECTIVE VIEW OF BUILDINGS - Construction		
		of Two point perspective grid. UNIT-3 ONE		
		POINT INTERIOR PERSPECTIVE - Construction of		
		One point perspective grid, UNIT-4 SCIOGRAPHY,		
		UNIT-5 MEASURED DRAWING- To measure and		
		draw the Ground Floor Plan along with plot		
		boundaries, four side elevations, two sections,		
		block plan, site plan of existing single storied		
Graphics - II	210213	building	2017	

		Students obtain the ability of model making, basics of rendering, presentation skills using		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Workshop - II	210217	various materials.	2017	02021CO%20MAPPING.docx.pdf
		PROJECT 1(Prototype): VILLAGE SURVEY &		https://web.mitsgwalior.in/images/Departments/archit
		RURAL HOUSING , PROJECT 2(Prototype):		ecture planning/co/B%20Arch%20Syllabus%202020%2
		DESIGN OF COMMUNITY FACILITIES - Community		02021CO%20MAPPING.docx.pdf
		facilities –Design of Community hall, Nursing		·
		home, Youth hostel, Old age home etc.,		
		encourage the student to explore concepts an		
		agglomeration of simple spaces with particular		
		emphasis on the special needs of elderly,		
Architectural Design IV	210413	handicapped etc.	2017	
		UNIT-1 BUILDING MATERIALS, UNIT -2 RCC		https://web.mitsgwalior.in/images/Departments/archit
		FOUNDATION - Introduction to RCC framed		ecture planning/co/B%20Arch%20Syllabus%202020%2
		structures, concrete foundation: Types of footing		02021CO%20MAPPING.docx.pdf
		<ul> <li>Isolated, combined, continuous, strip raft &amp;</li> </ul>		
		piles , UNIT-3 BEAMS AND SLABS, UNIT-4		
		RETAINING WALL, EXPANSION		
		JOINTS, AND WATERPROOFING -		
		Waterproofing basement, construction of pools,		
		fireplaces, and fuels. Fire safety construction		
		techniques, UNIT-5 CLADDING SYSTEMS &		
Building Construction III	210414	FINISHES	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		UNIT-1 WATER SUPPLY - Sources of water supply		ecture_planning/co/B%20Arch%20Syllabus%202020%2
		<ul> <li>Water Quality - Water requirements for</li> </ul>		02021CO%20MAPPING.docx.pdf
		different types of buildings and for town, simple		
		method of removal of impurities, Rainwater		
		harvesting to include roof top harvesting, type of		
		spouts, sizes of rainwater pipes and typical detail		
		of a water harvesting pit, UNIT-2 DRAINAGE AND		
		SEWAGE DISPOSAL, UNIT-3 SOLID WASTE		
		DISPOSAL, UNIT-4 EMERGING PROCESSING		
		TECHNOLOGIES, UNIT-5 PLUMBING AND FIRE		
		FIGHTING LAYOUT OF SIMPLE BUIDINGS -		
		Designing of toilet blocks in residential and		
		public buildings, showing complete details of		
		fittings and plumbing required for water supply		
Building Services I	210415	and drainage.	2017	

				https://web.mitsgwalior.in/images/Departments/archit
				ecture planning/co/B%20Arch%20Syllabus%202020%2
		UNIT- 1 PROPERTIES OF STEEL SECTIONS & TYPES		02021CO%20MAPPING.docx.pdf
				02021CO%20WAPPING.u0CX.pui
		OF CONNECTIONS - Design of welded and bolted		
		connections for members subjected to axial		
		forces. Site visit to a steel fabrication unit.		
		UNIT-2 TENSION AND COMPRESSION MEMBERS,		
		UNIT -3 STEEL BEAMS, UNIT-4 STEEL TRUSSES &		
		GIRDERS - Study of the various types of roof		
		trusses , UNIT-5 INTRODUCTION TO LONG SPAN		
		STEEL STRUCTURAL SYSTEMS- Space frame		
		structural system in tubular steel – various types		
		of connectors – single / double & triple grid		
Structure IV	210417	space frames	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		PROJECT I: DESIGN FOR HOSPITALITY INDUSTRY -		ecture planning/co/B%20Arch%20Syllabus%202020%2
		The project requires the understanding of the		02021CO%20MAPPING.docx.pdf
		special nature and functioning of the hotel		
		industry and to respond with suitable concepts		
		of space planning, circulation, interior design,		
		materials and lighting. PROJECT II: URBAN		
		INFRASTRUCTURE PROJECTS - Contemporary		
		transportation terminals and stadiums are large		
		buildings with multiple entries & exits dealing		
		with large crowds and having multiple levels		
		with large spans, complex services & demanding		
Architectural Design VI	210601	environmental conditions.	2017	
Ü		UNIT-1 INTRODUCTION TO THE STUDY OF		https://web.mitsgwalior.in/images/Departments/archit
		ACOUSTICS & SOUND TRANSMISSION,		ecture planning/co/B%20Arch%20Syllabus%202020%2
		ABSORPTION, INSULATION		02021CO%20MAPPING.docx.pdf
		UNIT-2 NOISE CONTROL AND SOUND		<u> </u>
		REINFORCEMENT & ACOUSTICS IN BUILDING		
		DESIGN AND CONSTRUCTION		
		UNIT-3 FIRE FIGHTING SERVICES, UNIT-4 FIRE		
		FIGHTING SYSTEMS & BUILDING NORMS. UNIT-5		
		FIRE FIGHTING LAYOUT OF BUILDINGS & DESIGN		
Building Services III (Acoustic & Fire		AND DETAILING FOR ACOUSTICS OF		
Fighting)	210602	MULTIPURPOSE HALLS.	2017	
001	210002			

		UNIT-1 INTRODUCTION& ELEMENTS OF		https://web.mitsgwalior.in/images/Departments/archit
		LANDSCAPE ARCHITECTURE AND LANDSCAPE		ecture planning/co/B%20Arch%20Syllabus%202020%2
		DESIGN		02021CO%20MAPPING.docx.pdf
		UNIT-2 HISTORY OF LANDSCAPE ARCHITECTURE		
		& URBAN LANDSCAPE		
		UNIT-3 INTRODUCTION TO SITE ANALYSIS & SITE		
		INFLUENCING FACTORS		
		UNIT-4DESIGN OF LANDFORMS IN A SITE & SITE		
		PLANNING PRINCIPLES AND TECHNIQUES		
Site Planning and Landscaping		UNIT-5 SITE CHARACTERISTICS AND DESIGN		
Architecture	210608	REQUIREMENTS& LANDSCAPE EXERCISE.	2017	
		UNIT- 1 BUILDING DRAWING - Centre line plan,		https://web.mitsgwalior.in/images/Departments/archit
		Foundation plan, Structural grid plan (in case of		ecture planning/co/B%20Arch%20Syllabus%202020%2
		framed structures), Basement floor plan, Ground		02021CO%20MAPPING.docx.pdf
		floor plan, Typical floor plan, All elevations, All		
		sections: one at least through staircase and one		
		through toilet, Terrace floor plan giving details of		
		surface drawing etc. UNIT- 2 SERVICES -		
		Sanitation drawings showing fixtures etc,		
		Electrical layout plan, typical wall profiles		
		sections, detailed drawings of special rooms like		
		kitchens, toilets, staircase etc, UNIT- 3		
		SPECIFICATION, UNIT- 4 MATERIALS - Glass		
		Plywood and laminates Hardware Electrical		
		wires and accessories Water supply and		
		plumbing: fittings and fixtures flooring and		
Working Drawing	210604	cladding.	2017	
		Enhances the various techniques of Architectural		https://web.mitsgwalior.in/images/Departments/archit
		Journalism, changing scenario in the context of		ecture planning/co/B%20Arch%20Syllabus%202020%2
		globalization, Architectural Journalism in		02021CO%20MAPPING.docx.pdf
Elective III Architectural Journalism	210614	practical.	2017	
		Student gains the knowledge of fundamental		https://web.mitsgwalior.in/images/Departments/archit
		concepts and theories of Housing and apply		ecture_planning/co/B%20Arch%20Syllabus%202020%2
		them		02021CO%20MAPPING.docx.pdf
		in their design projects, various types of Housing		
Elective III Housing	210611	and its components.	2017	

	I			
Elective IV Strategies for		The course discusses sustainability principles and concepts from across various domains. Elaborates on sustainability definitions, aspects, dynamic nature of it, and its application in everyday life. Further, it discusses global efforts from UNFCCC, IPCC, and other agencies for developing context-based solutions and climate		https://web.mitsgwalior.in/images/Departments/archit
suistainable Design (SWAYAM)	210615	change mitigation efforts.	2017	ecture_planning/BOS/BOS%20Nov%202021.pdf
		Student understand meaning of EIA.Environmental Impact Assessment (EIA) is a process of evaluating the likely environmental impacts of a proposed project or development, taking into account inter-related socio-		
Elective IV Environmental Impact		economic, cultural and human-health impacts,		https://web.mitsgwalior.in/images/Departments/archit
Assessment (SWAYAM)	210616	both beneficial and adverse.	2017	ecture planning/BOS/BOS%20Nov%202021.pdf
		PROJECT I: HOUSING - The various types of housing projects in a typical urban scenario can be taken with suitable design parameters that get established after conducting a rigorous study.  PROJECT II: URBAN DESIGN OR CONSERVATION - Urban design projects could deal with redevelopment of problem areas such as riverfronts, beach fronts, market areas, bazaars or commercial & residential districts that have		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Architectural Design VIII	210801	reached dead end situation.	2017	

		LINIT 4 INTRODUCTION For the second of sub-		https://web.mitsgwalior.in/images/Departments/archit
		UNIT- 1 INTRODUCTION - Emergence of urban		
		design as a discipline, need for urban design,		ecture planning/co/B%20Arch%20Syllabus%202020%2
		Elements of urban design(buildings, streets,		02021CO%20MAPPING.docx.pdf
		public spaces, transports, other elements etc.		
		Principles of urban design- creating form and		
		spatial definition in articulation of urban design		
		expression.		
		UNIT- 2 STUDY AND ANALYSIS OF URBAN SPACES		
		IN HISTORY AND MODERN CONCEPTS		
		UNIT- 3 BASIC PRINCIPLES & TECHNIQUES IN		
		URBAN DESIGN, UNIT- 4 RENEWAL, RE-		
		DEVELOPEMENT AND FORMULATING URBAN		
		DESIGN, UNIT- 5 URBAN DESIGN SURVEY AND		
		PRESENTATION - Conducting an urban design		
		survey of Conservation of historic cities, open-		
		spaces, development of market spaces, transit		
		oriented developments, water front		
Urban Design	210802	development in India.	2017	
			-	https://web.mitsgwalior.in/images/Departments/archit
		UNIT- 1 THE PROFESSIONAL ROLE OF AN		ecture planning/co/B%20Arch%20Syllabus%202020%2
		ARCHITECT & SERVICES RENDERED, UNIT- 2		02021CO%20MAPPING.docx.pdf
		ARCHITECTURAL COMPETITIONS &		<u>02021007020W/WTW0.u00x.pur</u>
		LEGISLATIONS- Regulations governing the		
		conduct of competitions, Types of competition		
		(open & closed competitions), appointment &		
		duties of Assessors, instructions to participants,		
		· ·		
		award of premium, UNIT- 3 EASEMENTS&		
		ARBITRATION- Easement Rights –Definition,		
		characteristics of an easement, Natural Rights		
		,Various easement rights- Easement of support,		
		Easement of light and air, Easement of right of		
		way, Easement of eave projection, etc , UNIT- 4		
		TENDER & CONTRACT, UNIT- 5 VALUATION&		
Professional Practice and Ethics	210803	RENT.	2017	
		Students obtain understanding of standards and		https://web.mitsgwalior.in/images/Departments/archit
		conventions of doing dissertation and gain		ecture planning/co/B%20Arch%20Syllabus%202020%2
		preliminary background information that puts		02021CO%20MAPPING.docx.pdf
		the research in context and to clarify the focus of		
Dissertation	210804	the study.	2017	

		UNIT 1 - Knowledge about the design , space ,		
		elements, features of the furnitures, UNIT - 2 -		
Elective VI Furniture		VARITIES AND PURPOSE OF DIFFERENT		https://web.mitsgwalior.in/images/Departments/archit
Design(SWAYAM)	210811	MATERIALS.	2017	ecture_planning/BOS/BOS%20Nov%202021.pdf
		Student know about heritage conservation;		
Elective VI Suistainable		energy refurbishment of historic buildings;		
Interventions in Historic Buildings		cultural heritage; conservation requirements;		https://web.mitsgwalior.in/images/Departments/archit
(SWAYAM)	210814	sustainability	2017	ecture_planning/BOS/BOS%20Nov%202021.pdf
		Students obtain knowledge of decide how to		
		plan, finance and manage urban areas.		
		Structures supported by effective land markets,		
		appropriate regulation, good public services,		
Elective VI Environment and		adequate public finance and transparent and		https://web.mitsgwalior.in/images/Departments/archit
Architecture (SWAYAM)	210815	accountable city level political systems.	2017	ecture planning/BOS/BOS%20Nov%202021.pdf
, ,		Student obtain knowledge of environment	2022	
Environmentl Impact and		factors and there impact on architecture		https://web.mitsgwalior.in/images/Departments/archit
assessment (Elective VII) (SWAYAM)	2101011			ecture planning/BOS/BOS%20Nov%202021.pdf
		Student obtain knowledge of environment	2022	https://web.mitsgwalior.in/images/Departments/archit
BIM (COURSERA)	2101013	factors and there impact on architecture		ecture_planning/BOS/BOS%20Nov%202021.pdf
		Basics of Remote Sensing, Geographical	2022	
		Information System (GIS) and Global Navigation		
		Satellite System (GNSS) is a 15 week course		
		conducted by IIRS, ISRO. The course constitutes		
		75 learning hours spread across four modules		
		namely Basics of Remote Sensing, Global		
		Navigation Satellite System, Geographic		
		Information System and Applications of		https://web.mitsgwalior.in/images/Departments/archit
GIS( SWAYAM)	2101012	Geopspatial technology		ecture_planning/BOS/BOS%20Nov%202021.pdf
		Week 1 : Introduction to User Interface Design	2022	
		(UI)Brief History of UI DesignWeek 2 : UI Design		
		MethodologyWeek 3 : User Experience design		
		component in Interface DesignVisual		
		Communication design component in Interface		
		DesignWeek 4 : Case Studies and Best Practices		https://web.mitsgwalior.in/images/Departments/archit
Google UX (COURSERA)	2101014			ecture_planning/BOS/BOS%20Nov%202021.pdf

		Planning, finance and manage urban areas.		
		Structures supported by effective land markets,		
		appropriate regulation, good public services,		
		adequate public finance and transparent and		https://web.mitsgwalior.in/images/Departments/archit
City & Metropolitan	670201	accountable city level political systems.	2017	ecture planning/BOS/BOS%20Nov%202021.pdf
,		Urban conservation in planning, its techniques		https://web.mitsgwalior.in/images/Departments/archit
Urban Heritage Conservation	670202	and Policies and Programmes, Legislations	2017	ecture_planning/BOS/BOS%20Nov%202021.pdf
		Finance at different stages, investment planning		
		and financing mechanism, project formulation		
		and appraisal, project management and		
Urban Development Finance &		implementation, and project evaluation and		https://web.mitsgwalior.in/images/Departments/archit
Project Planning	670203	monitoring	2017	ecture planning/BOS/BOS%20Nov%202021.pdf
		Planning legislation & concepts, urban policy, its		
		nature and process of making urban policy,		https://web.mitsgwalior.in/images/Departments/archit
Legal Issues & Professional	670204	Professional Practice in planning	2017	ecture_planning/BOS/BOS%20Nov%202021.pdf
		Basic principles & methods of Research,		
		specifically in Design at Urban scale, and towards		
		helping them conducting their own		
		authentic & independent research. Research		
		basics, defining research problem, Research		
		Design, Developing a Research Plan, Plagiarism,		https://web.mitsgwalior.in/images/Departments/archit
Research Methodology	670205	IPR, etc.	2017	ecture planning/BOS/BOS%20Nov%202021.pdf
		Dynamics of various components of the city and		
		level interventions with multi-dimensional,		https://web.mitsgwalior.in/images/Departments/archit
Studio-I	670206	dynamic and futuristic spaces.	2017	ecture_planning/BOS/BOS%20Nov%202021.pdf
		Remote Sensing – Aerial and Satellite;		
		introduction to GIS, Spatial data and Attribute		
		data; Satellite images as input to GIS; Collection		https://web.mitsgwalior.in/images/Departments/archit
Studio-II	670207	and presentation of baseline information.	2017	ecture_planning/BOS/BOS%20Nov%202021.pdf
		Students obtain understanding of standards and		
		conventions of doing dissertation and gain		
		preliminary background information that puts		
		the research in context and to clarify the focus of		https://web.mitsgwalior.in/images/Departments/archit
Dissertation	670401	the study.	2017	ecture_planning/BOS/BOS%20Nov%202021.pdf
		Knowledge of Electromagnetic fields to	2020	https://web.mitsgwalior.in/images/Departments/electri
		understand working principle of various power		cal engineering/Syllabus/1.1.3 syllabus%202021-
Electromagnetic Field Theory	130311	apparatus & machine		<u>22.pdf</u>

		Knowledge of measurement technique for	2021	https://web.mitsgwalior.in/images/Departments/electri
Electrical and Electronic		electrical/electronic parameters , accuracy and		cal engineering/Syllabus/1.1.3 syllabus%202021-
Measurement	130312	need of calibration		22.pdf
		capable of analyzing any given electric/	2020	https://web.mitsgwalior.in/images/Departments/electri
		electroncis networks, concepts of transients and		cal engineering/Syllabus/1.1.3 syllabus%202021-
Network Analysis	130313	unbalanced three phase supply		22.pdf
		Understand the principle, operation and	2020	https://web.mitsgwalior.in/images/Departments/electri
		applications of diode, BJT, FET, amplifier etc to		cal engineering/Syllabus/1.1.3 syllabus%202021-
Analog Electronics	130314	develop electronic circuit		<u>22.pdf</u>
		Use MATLAB programing/ Simulink for	2020	https://web.mitsgwalior.in/images/Departments/electri
		programming & modelling of Electrical		cal engineering/Syllabus/1.1.3 syllabus%202021-
Software Lab - I	130315	Components		<u>22.pdf</u>
		Develop critical thinking skills, improve	2020	https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal_engineering/Syllabus/1.1.3_syllabus%202021-
Self Learning/Presentation	130316	andself learning		<u>22.pdf</u>
			2020	https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/Syllabus/1.1.3_syllabus%202021-
Summer Internship Project -I	130317	Learn and sharpen in-demand technical skills		<u>22.pdf</u>
		Understanding fundamental characteristics of		https://web.mitsgwalior.in/images/Departments/electri
		Signals & Systems in both time & transform		cal_engineering/Syllabus/1.1.3_syllabus%202021-
		domain. Also to develop mathematical skills to		<u>22.pdf</u>
		solve problems involving convolution, filtering,		
Signals & Systems	130501	modulation and sampling.	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Explore the ways and means to perform power		cal engineering/Syllabus/1.1.3 syllabus%202021-
		system analysis in normal operation and under		<u>22.pdf</u>
Power System-II	130502	symmetrical and unsymmetrical faults	2017	
		Develop basic concepts of ac machine, their		https://web.mitsgwalior.in/images/Departments/electri
		construtional details, working principle and		cal engineering/Syllabus/1.1.3 syllabus%202021-
Electrical Machines-II	130503	characteristic based applications	2017	<u>22.pdf</u>
		Understand the concepts, basic operation,		https://web.mitsgwalior.in/images/Departments/electri
		steady state operation of efficient switched-		cal_engineering/Syllabus/1.1.3_syllabus%202021-
		mode power conversion techniques, including		<u>22.pdf</u>
Power Electronics	130504	basic circuit operation	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Develop learning in technical, project		cal_engineering/Syllabus/1.1.3_syllabus%202021-
Minor Project-I	130505	management and presentation spheres.	2017	<u>22.pdf</u>

				https://web.mitsgwalior.in/images/Departments/electri
				cal engineering/Syllabus/1.1.3 syllabus%202021-
Summer Internship Project -II	130506	Learn and sharpen in-demand technical skills	2017	22.pdf
		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal engineering/Syllabus/1.1.3 syllabus%202021-
Self Learning	130507	andself learning	2017	<u>22.pdf</u>
		Overview of complete electric drive system		https://web.mitsgwalior.in/images/Departments/electri
		including the mechanical part, electric machine,		cal engineering/Syllabus/1.1.3 syllabus%202021-
Electrical Drives	130711	power converters & control	2020	<u>22.pdf</u>
		Achieve a clear conceptual understanding of		https://web.mitsgwalior.in/images/Departments/electri
		technical and commercial aspects of Alternative		cal engineering/Syllabus/1.1.3 syllabus%202021-
Renewable Energy Systems	130712	Sources of Energy.	2020	<u>22.pdf</u>
		Understand the concepts of flexible and efficient		https://web.mitsgwalior.in/images/Departments/electri
		electric grid by enabling the integration of		cal_engineering/Syllabus/1.1.3_syllabus%202021-
		growing deployments of distributed energy		<u>22.pdf</u>
		resources such as renewables like solar, wind		
IoT in Microgrid	130713	etc.	2020	
		knowledge in physical principles applied in		https://web.mitsgwalior.in/images/Departments/electri
		sensing, measurement and a		cal_engineering/Syllabus/1.1.3_syllabus%202021-
		comprehensive understanding on how		<u>22.pdf</u>
		measurement systems are designed, calibrated,		
Intelligent Sensors and		characterised, and analysed.		
Instrumentation	130714		2020	
		Understand the role of control engineer in multi		https://web.mitsgwalior.in/images/Departments/electri
		disciplinary teams through modelling and		cal engineering/Syllabus/1.1.3 syllabus%202021-
		analysis of physical system, implications of		<u>22.pdf</u>
Control Systems Lab	130701	system stability	2020	
		Learn and sharpen in-demand technical skills		https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/Syllabus/1.1.3_syllabus%202021-
Summer Internship Project -III	130702		2020	<u>22.pdf</u>
		To make acquainted with the conceptual as well		https://web.mitsgwalior.in/images/Departments/electri
		as practical knowledge of the PLC programming		cal engineering/Syllabus/1.1.3 syllabus%202021-
Industrial Automatiom lab	130703		2020	<u>22.pdf</u>
		Provides overview of smart grid and its potential		https://web.mitsgwalior.in/images/Departments/electri
		in different types of power sectors such as		cal engineering/Syllabus/1.1.3 syllabus%202021-
		power generation, transmission and distribution		<u>22.pdf</u>
Introduction to Smart Grid	130751		2020	

	T I		
			https://web.mitsgwalior.in/images/Departments/electri
	newer design criteria required for the UHV		cal engineering/Syllabus/1.1.3 syllabus%202021-
	transmission systems viz: insulation design,		<u>22.pdf</u>
130752	protections, safety concerns etc	2020	
	Build the concepts of various types of electrical		https://web.mitsgwalior.in/images/Departments/electri
	machines and applications of electrical machines		cal engineering/Syllabus/1.1.3 syllabus%202021-
900205		2020	<u>22.pdf</u>
	Provide anoverview of microgrid and its		https://web.mitsgwalior.in/images/Departments/electri
	potential in different types of power sectors		cal_engineering/Syllabus/1.1.3_syllabus%202021-
	such as power generation, transmission and		22.pdf
900216	distribution	2021	
	Building of engineering knowledge used for the		https://web.mitsgwalior.in/images/Departments/electri
	design, development, and test of Electric vehicle		cal engineering/Syllabus/1.1.3 syllabus%202021-
900217	systems	2021	22.pdf
	Provide thorough understanding of the	2020	https://web.mitsgwalior.in/images/Departments/electri
	electrical properties and characteristics of		cal engineering/Syllabus/1.1.3 syllabus%202021-
	various materials, used in the electrical		22.pdf
130211	appliances		
	Develop an understanding of basic concepts of	2020	https://web.mitsgwalior.in/images/Departments/electri
	computer science and		cal engineering/Syllabus/1.1.3 syllabus%202021-
	engineering and algorithms, programming		22.pdf
	approaches and program		
100023	documentation techniques.		
	Provides a platform for all kind of practical jobs	2020	https://web.mitsgwalior.in/images/Departments/electri
	like domestic wiring, fittings, drilling job,		cal engineering/Syllabus/1.1.3 syllabus%202021-
	switchboard assembly, coil winding, repair and		22.pdf
	maintainence work of various electrical		
130212	appliances.		
		2018	https://web.mitsgwalior.in/images/Departments/electri
	Basic idea about microprocessor & its		cal engineering/Syllabus/1.1.3 syllabus%202021-
130411	programming, munber system & codes		<u>22.pdf</u>
		2018	https://web.mitsgwalior.in/images/Departments/electri
	Develop basic concepts of dc machine and		cal engineering/Syllabus/1.1.3 syllabus%202021-
	transformer, their construtional details, working		<u>22.pdf</u>
130412	principle and characteristic based applications		
	900205  900216  900217  130211  100023  130212  130411	transmission systems viz: insulation design, protections, safety concerns etc  Build the concepts of various types of electrical machines and applications of electrical machines 900205  Provide anoverview of microgrid and its potential in different types of power sectors such as power generation, transmission and distribution  Building of engineering knowledge used for the design, development, and test of Electric vehicle systems  Provide thorough understanding of the electrical properties and characteristics of various materials, used in the electrical appliances  Develop an understanding of basic concepts of computer science and engineering and algorithms, programming approaches and program documentation techniques.  Provides a platform for all kind of practical jobs like domestic wiring, fittings, drilling job, switchboard assembly, coil winding, repair and maintainence work of various electrical appliances.  Basic idea about microprocessor & its programming, munber system & codes  Develop basic concepts of dc machine and transformer, their construtional details, working	newer design criteria required for the UHV transmission systems viz: insulation design, protections, safety concerns etc  Build the concepts of various types of electrical machines and applications of electrical machines and applications of electrical machines and applications of electrical machines potential in different types of power sectors such as power generation, transmission and distribution  Building of engineering knowledge used for the design, development, and test of Electric vehicle systems  Provide thorough understanding of the electrical properties and characteristics of various materials, used in the electrical appliances  Develop an understanding of basic concepts of computer science and engineering and algorithms, programming approaches and program documentation techniques.  Provides a platform for all kind of practical jobs like domestic wiring, fittings, drilling job, switchboard assembly, coil winding, repair and maintainence work of various electrical appliances.  Develop basic idea about microprocessor & its programming, munber system & codes  Develop basic concepts of dc machine and transformer, their construtional details, working

		Understand various types transmission &	2018	https://web.mitsgwalior.in/images/Departments/electri
		distribution system, economic aspects of power		cal engineering/Syllabus/1.1.3 syllabus%202021-
		generation, analyse the performance of		22.pdf
		transmission lines, distribution systems,		
Power System-I	130413	insulators and cables.		
•		Python will doubtlessly be at the forefront of Al	2021	https://web.mitsgwalior.in/images/Departments/electri
		innovation. Experts argue that Python is the		cal engineering/Syllabus/1.1.3 syllabus%202021-
		most compatible programming language for		<u>22.pdf</u>
		machine learning and artificial intelligence . Its		
		extensive libraries and frameworks are ideal for		
Programming with Python	130414	kick starting new ideas		
		A new Renewable Energy Lab is set up in the	2021	https://web.mitsgwalior.in/images/Departments/electri
		department of Electrical Engineering. The		cal engineering/Syllabus/1.1.3 syllabus%202021-
		objective of the lab is to train the students in		22.pdf
		Renewable Energy Sources and technologies and		
		to provide adequate inputs on a variety of issues		
		in harnessing Renewable Energy. The students		
		will also be able to recognize the current and		
		possible future role of Renewable energy		
Renewable Energy Lab	130415	sources.		
		Explore to keep the power system stable by	2017	https://web.mitsgwalior.in/images/Departments/electri
		isolating only the components that are under		cal_engineering/Syllabus/1.1.3 syllabus%202021-
		fault, whilst leaving as much of the network as		<u>22.pdf</u>
Switchgear & Protection	130601	possible in operation.		
		Knowledge of different type of material and	2017	https://web.mitsgwalior.in/images/Departments/electri
		their use in engineering application		cal engineering/Syllabus/1.1.3 syllabus%202021-
Electrical Engineering Materials	130602			<u>22.pdf</u>
			2017	https://web.mitsgwalior.in/images/Departments/electri
		Develop learning in technical, project		cal engineering/Syllabus/1.1.3 syllabus%202021-
Minor Project-II	130603	management and presentation spheres.		<u>22.pdf</u>
		Basic concepts of load flow studies, voltage	2017	https://web.mitsgwalior.in/images/Departments/electri
Computer Aided Power System		stabilty and its enhencement, AI applications in		cal engineering/Syllabus/1.1.3 syllabus%202021-
Analysis	130611	power system		<u>22.pdf</u>
		Understand automation technologies and	2017	https://web.mitsgwalior.in/images/Departments/electri
		identify advantages, limitations and applications		cal engineering/Syllabus/1.1.3 syllabus%202021-
Industrial Automation	130612	of thesame.		<u>22.pdf</u>

		Understand the constructions and working	2017	https://web.mitsgwalior.in/images/Departments/electri
		principle of different types of sensors and		cal engineering/Syllabus/1.1.3 syllabus%202021-
		transducers, instrument tranformer, magnetic		22.pdf
Transducers & Sensors	130613	measuremet, HV measurement etc		
		Gives an introduction to the DC power	2017	https://web.mitsgwalior.in/images/Departments/electri
		transmission system using the conventional line		cal engineering/Syllabus/1.1.3 syllabus%202021-
DC Power Transmission Systems	130656	commutated converters.		<u>22.pdf</u>
		Provide conceptual understanding of technical	2017	https://web.mitsgwalior.in/images/Departments/electri
		and commercial aspects of Non Conventional		cal_engineering/Syllabus/1.1.3_syllabus%202021-
Non Conventional Energy Resources	130657	Energy Resources		<u>22.pdf</u>
		Develop the concepts needed to design proper	2017	https://web.mitsgwalior.in/images/Departments/electri
		power electronic hardware, simulation tools,		cal_engineering/Syllabus/1.1.3_syllabus%202021-
		proper designing of power PCB, designing		<u>22.pdf</u>
Design of Power Electronic		magnetics, reducing electromagnetic		
Converter	130658	interference etc		
		Various terminology, rules & regulations, policy	2017	https://web.mitsgwalior.in/images/Departments/electri
Energy Conservation &		of enegy audit, energy tarriff, economics &		cal engineering/Syllabus/1.1.3 syllabus%202021-
Management	900103	analysis, enegy conservations		<u>22.pdf</u>
		Learn about the generation & recording of	2017	https://web.mitsgwalior.in/images/Departments/electri
		bioelectrical signals, working with medical		cal engineering/Syllabus/1.1.3 syllabus%202021-
Biomedical Instrumentation	900115	instruments used in the biomedical field		<u>22.pdf</u>
		Learn about Basics of IoT, Components of IoT	2017	https://web.mitsgwalior.in/images/Departments/electri
		including Sensors and actuators, computing and		cal engineering/Syllabus/1.1.3 syllabus%202021-
Introduction to Internet of Things	130851	communication system		<u>22.pdf</u>
		Gain high-quality knowledge on stability,	2021	https://web.mitsgwalior.in/images/Departments/electri
Power System Dynamics, Control		operation and control of power systems.		cal engineering/Syllabus/1.1.3 syllabus%202021-
and Monitoring	130855			<u>22.pdf</u>
		Expose about the soft computing, various types	2017	https://web.mitsgwalior.in/images/Departments/electri
		of soft computing techniques, and applications		cal engineering/Syllabus/1.1.3 syllabus%202021-
Introduction to Soft Computing	130861	of soft computing		<u>22.pdf</u>
		Achieve a clear conceptual understanding of	2017	https://web.mitsgwalior.in/images/Departments/electri
		technical and commercial aspects of Alternative		cal_engineering/Syllabus/1.1.3_syllabus%202021-
Non Conventional Energy Resources	130862	Sources of Energy.		<u>22.pdf</u>
		Understand the conceptual understanding of	2017	https://web.mitsgwalior.in/images/Departments/electri
		technical aspects of non conventional Sources		cal_engineering/Syllabus/1.1.3_syllabus%202021-
Non Conventional Energy Resources	900608	of Energy.		<u>22.pdf</u>

		Get opportunity to enhance the skills, obtain	2017	https://web.mitsgwalior.in/images/Departments/electri
		the perspective of a work environment and		cal engineering/Syllabus/1.1.3 syllabus%202021-
		benefit from a mentor or supervisor's experience		22.pdf
Internship/Project	130801	and advice.		
		Taking steps to learn relevant skills, expand your	2017	https://web.mitsgwalior.in/images/Departments/electri
		professional network and competency		cal engineering/Syllabus/1.1.3 syllabus%202021-
Professional Development	130802	development		<u>22.pdf</u>
		imagination and mental visualization capabilities		https://web.mitsgwalior.in/images/Departments/mech
Engineering Graphics		for interpreting the geometrical details of		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
	100014	common engineering objects	2010	
		Hand on practice of different drawing		https://web.mitsgwalior.in/images/Departments/mech
				anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Engineering Graphics Lab	100018		2010	
		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
		structures and imperfections present in them		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Material Science	120211		2010	
		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
		structures and imperfections present in them		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Material Science	190211		2010	
				https://web.mitsgwalior.in/images/Departments/mech
	400004	basics of tools and equipments used in fitting,	2212	anical engineering/NAAC/1.2.1 new/2021-22.pdf
Manufacturing Practices	100024	carpentry, sheet metal, welding and smithy	2010	
		Demonstrate Engines and Boiler fundamentals		https://web.mitsgwalior.in/images/Departments/mech
	120026	using models	2010	anical engineering/NAAC/1.2.1 new/2021-22.pdf
Basic Mechanical Engineering Lab			2010	
	420244	manage manufacturing processes and systems		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Process	120311	for the best use of material and human	2010	anical engineering/NAAC/1.2.1 new/2021-22.pdf
		resources	2010	
	420242	Calculate stresses and deformations of objects		https://web.mitsgwalior.in/images/Departments/mech
Mechanics of Materials	120312	under external loadings	2015	anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
The same of NAs also as a l	420242	Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –I	120313	which include engines, linkages etc	2015	anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Impulades of fluid the proportion and habatian	2015	https://web.mitsgwalior.in/images/Departments/mech
Fluid Mechanics and Hydraulic	120214	knowledge of fluid, its properties and behavior		
Machines	120314	under various conditions of internal and external flows.	2010	anical_engineering/NAAC/1.2.1_new/2021-22.pdf
		IIOM2.	2010	

		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Software Lab	120315	and simulation software		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2017	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self-learning/Presentation	120316	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		To apply inherent talent and knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Novel Engaging Course	200XXX	engineering applications		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2020	
		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
Summer Internship Project–I	120318			anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –II	120411	which include engines, linkages etc		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
			2015	
		identify, formulate and solve design engineering		https://web.mitsgwalior.in/images/Departments/mech
	120412	problems		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Design of Machine Elements			2015	
		develop fundamental knowledge on tool		https://web.mitsgwalior.in/images/Departments/mech
Metal Cutting and Machine Tools	120413	materials, cutting fluids and tool wear		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
		mechanisms	2015	
		Represent a thermodynamic system by a control		https://web.mitsgwalior.in/images/Departments/mech
	120414	mass or control volume and identify work and/or		anical engineering/NAAC/1.2.1 new/2021-22.pdf
	120414	heat interactions between the system and		
Engineering Thermodynamics		surroundings	2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Lab	120415	processes and machine tools		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2010	
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	120501	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		develop fundamental knowledge on tool		https://web.mitsgwalior.in/images/Departments/mech
Metal Cutting and Machine Tools	120502	materials, cutting fluids and tool wear		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		mechanisms	2015	
		comprehensive of physical science and its		https://web.mitsgwalior.in/images/Departments/mech
Heat And Mass Transfer	120503	fundamentals applicable to the engineering		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
		discipline	2010	

		Study of various cycles and their applications		https://web.mitsgwalior.in/images/Departments/mech
Thermal Engineering	120504			anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2010	
		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
Machine Design	120505	design engineering tools necessary for		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		engineering practice	2010	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Minor Project-I	120506	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2010	
Summer Internship Project-II		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
(Evaluation)	120507			anical engineering/NAAC/1.2.1 new/2021-22.pdf
Solf loarning/Drossatation		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self-learning/Presentation	120508	presentation and group discussion		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
(SWAYAM/NPTEL/ MOOC)			2017	
		Application of computers in various aspects		https://web.mitsgwalior.in/images/Departments/mech
	120001	manufacturing to reduce manual processing and		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
	120601	linking computers to all the manufacturing		
Advance Production Technology		machines	2015	
		Real-world mechanical vibration problems		https://web.mitsgwalior.in/images/Departments/mech
Vibration and Noise Engineering	120611			anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		Concepts of reliability, life testing and costing of		https://web.mitsgwalior.in/images/Departments/mech
Statistical Quality Control	120612	product		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2010	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
Work Study and Ergonomics	120613	the productivity of an organization.		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		velocity triangles, thermodynamic plots and		https://web.mitsgwalior.in/images/Departments/mech
Turbo Machinery	120614	losses in turbo machinery		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2010	
Fundamental of Welding Science		Welding behavior of materials	2019	https://web.mitsgwalior.in/images/Departments/mech
and Technology	120652			anical engineering/NAAC/1.2.1 new/2021-22.pdf
		In-depth understanding of concepts in		https://web.mitsgwalior.in/images/Departments/mech
Viscous Fluid Flow	120654	viscous fluid flow.		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
			2020	

Properties of Materials (Nature		Materials and its behavior for different		https://web.mitsgwalior.in/images/Departments/mech
and Properties of Material: III)	120655	applications	2019	anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Materials and its behavior for different		https://web.mitsgwalior.in/images/Departments/mech
Nature and Properties of	120656	applications		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Materials			2020	
		Robot anatomy and its application		https://web.mitsgwalior.in/images/Departments/mech
Robotics	900101			anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2019	
		Product requirement and its different	2019	https://web.mitsgwalior.in/images/Departments/mech
Product Design	900102	aspects		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
	120605	society/industries projects/problems		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Minor Project-II			2010	
		To check performance of different bearings,	2020	https://web.mitsgwalior.in/images/Departments/mech
Reliability and Vibration Lab	120701	analysis of behavior and their relation at		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
		different vibration conditions.		
		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
Summer Internship Project-III	120702			anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Creative Problem Solving		Optimization of machine, mechanical process		https://web.mitsgwalior.in/images/Departments/mech
(Evaluation)	120703	for society/industries		anical engineering/NAAC/1.2.1 new/2021-22.pdf
(Evaluation)			2020	
Refrigeration and Air-		Principles and different methods of refrigeration		https://web.mitsgwalior.in/images/Departments/mech
Conditioning	120711	and air conditioning		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Conditioning			2010	
		The concepts of Mathematical Modelling of		https://web.mitsgwalior.in/images/Departments/mech
Basic of Finite Element Analysis	120712	Engineering Problems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2020	
		Types of errors, design of limit gauges and		https://web.mitsgwalior.in/images/Departments/mech
Metrology, Measurement and	120713	various comparative measurements		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Control			2015	
		The philosophy and core values of Total Quality		https://web.mitsgwalior.in/images/Departments/mech
Total Quality Management	120714	Management		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
Foundation of Computational		In-depth understanding of concepts in	2020	https://web.mitsgwalior.in/images/Departments/mech
Fluid Dynamics	120751	viscous fluid flow.		anical engineering/NAAC/1.2.1 new/2021-22.pdf

		Develop the concepts of various composites	2020	https://web.mitsgwalior.in/images/Departments/mech
Introduction to Composites	120752	materials used in industry		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Aims at bringing the students up-to-date		https://web.mitsgwalior.in/images/Departments/mech
Advanced Machining Processes	120753	with the latest technological		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		_	2020	
		Skill to reduce the occurrence of unsafe	2020	https://web.mitsgwalior.in/images/Departments/mech
Industrial Safety Engineering	120754	operation in industry		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Different machine control systems	2020	https://web.mitsgwalior.in/images/Departments/mech
Industrial Automation	900203			anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Application of solar systems for betterment of	2020	https://web.mitsgwalior.in/images/Departments/mech
Solar Energy	900204	society.		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Engineering Materials for		Different materials and their behavior for	2020	https://web.mitsgwalior.in/images/Departments/mech
Industrial Applications	900214	different application.		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
		The Maintenance strategies and overall	2020	https://web.mitsgwalior.in/images/Departments/mech
Maintenance Engineering	900215	configuration and Maintenance of Machines, structure and System.		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
		Apply Engineering knowledge for	2020	https://web.mitsgwalior.in/images/Departments/mech
	120801	society/industries projects/problems	2020	anical engineering/NAAC/1.2.1 new/2021-22.pdf
Internship/Project				
		To motivate strudents to participate in different		https://web.mitsgwalior.in/images/Departments/mech
Bustonia and Bustonia and	120802	institute/national activities.	2020	anical engineering/NAAC/1.2.1 new/2021-22.pdf
Professional Development			2020	hater the self-control of
	120851	Statistical methods used in industries	2020	https://web.mitsgwalior.in/images/Departments/mech
Quality Design and Control	120851			anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Key elements and constituents of a robot	2020	https://web.mitsgwalior.in/images/Departments/mech
Robotics: Basics and Selected Advanced Concepts	120852			anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Develop understanding of the steam and gas	2020	https://web.mitsgwalior.in/images/Departments/mech
	120853	power systems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Steam and Gas Power Systems				
		To an account and also if a control is		https://web.mitsgwalior.in/images/Departments/mech
County and Character 12/2h 4	120854	To measure sound and classify according to	2024	anical engineering/NAAC/1.2.1 new/2021-22.pdf
Sound and Structural Vibration		range	2021	

				https://web.mitsgwalior.in/images/Departments/mech
Carbon Materials and	120855	Application of carbon material and its		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Manufacturing		processes	2021	
Introduction to abrasive				https://web.mitsgwalior.in/images/Departments/mech
Machining and Finishing	120856	Different advanced machining process with		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Processes		application for different materials	2021	
		Analyze and design the basic mobile robotic		https://web.mitsgwalior.in/images/Departments/mech
Waste to Energy Conversion	900605	systems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		·	2020	
		Skills to translate the ideas into the practical		https://web.mitsgwalior.in/images/Departments/mech
Product Design and	900609	design and mass production		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Manufacturing			2020	
		Understand the fundamental and advance		https://web.mitsgwalior.in/images/Departments/mech
	900610	concepts of automatic controls for engineers		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Automatic Control		and designers.	2020	
Nature and properties of		Materials and its behavior for different		https://web.mitsgwalior.in/images/Departments/mech
materials	900631	applications		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Thaterials			2020	
	100011	Study of materials used in automotive and their		https://web.mitsgwalior.in/images/Departments/mech
Automobius Nasharisla	190311	behavior.	2045	anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Automotive Materials			2015	had a set of the set o
Na alegaine of Natorials	100212	Calculate stresses and deformations of objects		https://web.mitsgwalior.in/images/Departments/mech
Mechanics of Materials	190312	under external loadings	2015	anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Study of different concepts of IC engine, body	2013	https://web.mitsgwalior.in/images/Departments/mech
Automotive Engines	190313	and chessis details.		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Automotive Engines	150515	and chessis details.	2015	difficult engineering/ www.c/1.2.1 few/2021 22.pdf
		knowledge of fluid, its properties and behavior		https://web.mitsgwalior.in/images/Departments/mech
Fluid Mechanics & Hydraulic	190314	under various conditions of internal and external		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Machines		flows.	2010	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Software Lab	190315	and simulation software		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2017	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self-learning/Presentation	190316	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
Summer Internship Project–I	190318			anical engineering/NAAC/1.2.1 new/2021-22.pdf

		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –I	190411	which include engines, linkages etc		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
Automotive Electrical and		Develop skill of finding faults and rectification of		https://web.mitsgwalior.in/images/Departments/mech
	190412	ignition circuits and wiring.		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Electronics System			2015	
		Represent a thermodynamic system by a control		https://web.mitsgwalior.in/images/Departments/mech
Engineering Thermodynamics	190413	mass or control volume and identify work and/or		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Engineering Thermodynamics	190413	heat interactions between the system and		
		surroundings	2010	
		manage manufacturing processes and systems		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Process	190414	for the best use of material and human		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
		resources	2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Lab	190415	processes and machine tools		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
			2010	
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	190501	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		develop fundamental knowledge on tool		https://web.mitsgwalior.in/images/Departments/mech
Metal Cutting and Machine Tool	190502	materials, cutting fluids and tool wear		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		mechanisms	2015	
		comprehensive of physical science and its		https://web.mitsgwalior.in/images/Departments/mech
Heat and Mass Transfer	190503	fundamentals applicable to the engineering		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		discipline	2010	
		identify, formulate and solve design engineering		https://web.mitsgwalior.in/images/Departments/mech
Design of Machine Elements	190504	problems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		Understand vehicle chassis structure and		https://web.mitsgwalior.in/images/Departments/mech
Automotive Chassis	190505	components of transmission lines.		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Minor Project-I	190506	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2010	
Summer Internship Project-II		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
(Evaluation)	190507			anical_engineering/NAAC/1.2.1_new/2021-22.pdf

Self-learning/Presentation		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
	190508	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2021-22.pdf
(SWAYAM/NPTEL/ MOOC)			2017	
		Develop the basic knowledge of the students in		https://web.mitsgwalior.in/images/Departments/mech
Automotive Transmission	190601	mechanics, torque conversion area		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		Study of materials used in automotive and their		https://web.mitsgwalior.in/images/Departments/mech
Automotive Material	190611	behavior.		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
Work Study and Ergonomics	190612	the productivity of an organization.		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		Different emission standards and controls		https://web.mitsgwalior.in/images/Departments/mech
<b>Automotive Pollution and Control</b>	190613			anical_engineering/NAAC/1.2.1_new/2021-22.pdf
			2015	
		Concepts of stress analysis, theories of failure		https://web.mitsgwalior.in/images/Departments/mech
Automative Companent Design	190614	and material science to analyze, design and/or		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Automotive Component Design		select commonly used Automotive components.		
			2015	
Robotics and Control: Theory and		Key elements and constituents of a robot	2020	https://web.mitsgwalior.in/images/Departments/mech
Practice	190652			anical engineering/NAAC/1.2.1 new/2021-22.pdf
5 1 1 5 2 1 1 1		Basics of automotive system and		https://web.mitsgwalior.in/images/Departments/mech
Fundamental of Automotive	190653	construction		anical engineering/NAAC/1.2.1 new/2021-22.pdf
System		55.153.553.51	2020	
		In-depth understanding of concepts in		https://web.mitsgwalior.in/images/Departments/mech
Viscous Fluid Flow	190654	viscous fluid flow.		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2020	
National and Donas artists of		Materials and its behavior for different		https://web.mitsgwalior.in/images/Departments/mech
Nature and Properties of	190655	applications		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Materials			2020	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
	190605	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Minor Project-II		·	2010	
-		Hands in session for vehicle maintenance,		https://web.mitsgwalior.in/images/Departments/mech
Automotive Maintenance	190701	Vehicle service procedure		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		<u>'</u>	2016	

		Hands on sessions for skill development	2020	https://web.mitsgwalior.in/images/Departments/mech
Summer Internship Project-III	190702	·		anical engineering/NAAC/1.2.1 new/2021-22.pdf
, ., ., ., ., ., ., ., ., ., ., ., ., .,				
G .: D		Optimization of machine, mechanical process		https://web.mitsgwalior.in/images/Departments/mech
Creative Problem Solving	190703	for society/industries		anical engineering/NAAC/1.2.1 new/2021-22.pdf
(Evaluation)			2020	
		Forces act on vehicles, performace analysis,		https://web.mitsgwalior.in/images/Departments/mech
	190711	design considerations		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Vehicle Dynamics			2015	
		Fules and their behavior under varios conditions		https://web.mitsgwalior.in/images/Departments/mech
	190712			anical engineering/NAAC/1.2.1 new/2021-22.pdf
Theory of Fuels and Lubricants			2015	
		Study of hybrid vehicle, structure, component,		https://web.mitsgwalior.in/images/Departments/mech
	190713	use		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Hybrid Electric Vehicles			2016	
		Vehicle designing and its performance		https://web.mitsgwalior.in/images/Departments/mech
Two and Three-Wheeler	190714			anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Technology			2015	
		Design of horticultural machines and		https://web.mitsgwalior.in/images/Departments/mech
		equipment		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Farm Machinery	190751		2020	
Introduction to Mechanical		Robot mechanism and its		https://web.mitsgwalior.in/images/Departments/mech
Vibration	190753	application in real life		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Vibration			2020	
		Skill to reduce the occurrence of unsafe	2020	https://web.mitsgwalior.in/images/Departments/mech
Industrial Safety Engineering	190754	operation in industry		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Develop the concepts of various composites	2020	https://web.mitsgwalior.in/images/Departments/mech
Introduction to Composites	190755	materials used in industry		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		·		
		Apply Engineering knowledge for	2020	https://web.mitsgwalior.in/images/Departments/mech
	190801	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Internship/Project				
		To motivate strudents to participate in different		https://web.mitsgwalior.in/images/Departments/mech
	190802	institute/national activities.		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Professional Development			2020	
		Computational and motion control methods		https://web.mitsgwalior.in/images/Departments/mech
Wheeled Mobile Robots	190851	applicable to mobile robotic systems		anical engineering/NAAC/1.2.1 new/2021-22.pdf

		Develop understanding of the steam and gas	2020	https://web.mitsgwalior.in/images/Departments/mech
Steam and Gas Power Systems	190852	power systems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
·		,		
Fundamentals of Theoretical and				https://web.mitsgwalior.in/images/Departments/mech
	190854	Aerodynamics aspects in vehicle and		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Experimental Aerodynamics		performance	2021	
				https://web.mitsgwalior.in/images/Departments/mech
	190855	Measurement of stress on different sections		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Experimental Stress Analysis		with experimental techniques and gauges	2021	
				https://web.mitsgwalior.in/images/Departments/mech
	190856	Different aspects of ergonomics in human		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Applied Ergonomics		movement	2021	
				https://web.mitsgwalior.in/images/Departments/mech
	190857	applications and properties in engineering		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Introduction to Soft Matter		applications	2021	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering- I	560112	for various materials		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
			2010	
Production and Operations				https://web.mitsgwalior.in/images/Departments/mech
Management	560119	Industrial operations, strategy, time		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
		management	2017	
		The Maintenance strategies and overall	2020	https://web.mitsgwalior.in/images/Departments/mech
Maintenance Management	560118	configuration and Maintenance of Machines ,		anical engineering/NAAC/1.2.1 new/2021-22.pdf
		structure and System.		
	500445	Study of different manufacturing techniques		https://web.mitsgwalior.in/images/Departments/mech
Flexible Manufacturing Systems	560115	automation and control	2015	anical engineering/NAAC/1.2.1 new/2021-22.pdf
		Various took piguos of work study for improving	2015	https://web.mitsgwalior.in/images/Departments/mech
	560116	Various techniques of work-study for improving		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Ergonomics and Work Study	200110	the productivity of an organization.	2010	anical engineering/NAAC/1.2.1 new/2021-22.pui
Ligonomics and Work Study		The philosophy and core values of Total Quality	2010	https://web.mitsgwalior.in/images/Departments/mech
	560117	Management		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Total Quality Management	300117	management.	2015	sinear engineering/invite/11211 heavy 2021 22:001
The same of the sa		Skills to translate the ideas into the practical		https://web.mitsgwalior.in/images/Departments/mech
	800111	design and mass production		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Product Design & Development		acsign and mass production	2020	
<u> </u>				https://web.mitsgwalior.in/images/Departments/mech
Computer Integrated	800112	To study smart machine which controlled by		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Manufacturing		computer for accuracy and automation	2010	

		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab-I	560120	processes and machine tools		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2010	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Learning / Presentation	560121	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
		Application of computers in various aspects		https://web.mitsgwalior.in/images/Departments/mech
	560211	manufacturing to reduce manual processing and		anical engineering/NAAC/1.2.1 new/2021-22.pdf
	300211	linking computers to all the manufacturing		
Automation & Robotics		machines	2010	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering-II	560212	for various materials		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
			2010	
Logistics and Supply Chain		Industrial logistics challeges and their different		https://web.mitsgwalior.in/images/Departments/mech
Management	560213	solutions		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
Wallagement			2015	
		Statistical methods used in industries	2020	https://web.mitsgwalior.in/images/Departments/mech
	560214			anical engineering/NAAC/1.2.1 new/2021-22.pdf
Quality Design and Control				
		Formulation of design problems as		https://web.mitsgwalior.in/images/Departments/mech
Traditional and Non-Traditional	560215	mathematical programming problems		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Optimization Tools			2020	
		Skills to translate the ideas into the practical		https://web.mitsgwalior.in/images/Departments/mech
Product Design and	560216	design and mass production		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Manufacturing			2020	
		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
	560217	structures and imperfections present in them		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Material characterization			2020	
Generative Design for Additive		3D Printing, Additive Manufacturing,		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing	560218	generative design		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Wallardedillig			2020	
		Hands-on training various tools available for		https://web.mitsgwalior.in/images/Departments/mech
Tools in Scientific Computing	800211	scientific computing		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2020	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab-II	560220	processes and machine tools		anical_engineering/NAAC/1.2.1_new/2021-22.pdf
			2010	

		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Learning / Presentation	560221	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2021-22.pdf
			2015	
Dissertation Part-I (Literature		To delop product/simulate/experimentation		https://web.mitsgwalior.in/images/Departments/mech
Review/ Problem Foundation/	560311	using engineering knowledge to solve		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Synopsis/survey paper, etc.)		societal/industrial problems.	2010	
		Application of computers in various aspects		https://web.mitsgwalior.in/images/Departments/mech
Automation in Manufacturing	800310	manufacturing to reduce manual processing and		anical engineering/NAAC/1.2.1 new/2021-22.pdf
Automation in Manufacturing	800310	linking computers to all the manufacturing		
		machines	2021	
Managerial Functions and Practices		Decision -making, organizational behavioural	2021	https://web.mitsgwalior.in/images/Departments/mana
	700101	dynamics governing an organization.		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
Accounting for Managers		analyze the various financial statements of a	2021	https://web.mitsgwalior.in/images/Departments/mana
	700102	company to estimate Cash flows and different		gement/NAAC/1.1.3%20DoM%202021-
		ratios.		22%20final%201.pdf
Operations Management		taking decisions in operating and controlling the	2020	https://web.mitsgwalior.in/images/Departments/mana
	700103	production and service industries.		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
Managerial Economics		take decisions through strategies regarding	2021	https://web.mitsgwalior.in/images/Departments/mana
	700104	Market Conditions, Pricing, and facing		gement/NAAC/1.1.3%20DoM%202021-
		competition.		22%20final%201.pdf
Organizational Behaviour		function more effectively in their roles as	2020	https://web.mitsgwalior.in/images/Departments/mana
	700105	managers personally and with others.		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
Transforming Business Through		emerging MIS technologies and trends in	2021	https://web.mitsgwalior.in/images/Departments/mana
Technology	700106	enterprise applications.		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
Syndicate Personality Development		self-development process, individual and group	2021	https://web.mitsgwalior.in/images/Departments/mana
Program (SPDP)	700107	learning for behavior modification.		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
Managerial Communication		improving verbal and non-verbal communication	2020	https://web.mitsgwalior.in/images/Departments/mana
	700114	to develop student's skills in applying these		gement/NAAC/1.1.3%20DoM%202021-
	/00114	concepts to realistic situations in a different		22%20final%201.pdf
		workplace environment		
Marketing Management		fundamentals of marketing concept and the role	2020	https://web.mitsgwalior.in/images/Departments/mana
	700116	marketing plays in business.		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf

Corporate Governance & Ethics (MAC)	MC0101	concepts relating to business ethics and corporate governance.	2021	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-
(1.1.10)	11120101	go romanos:		22%20final%201.pdf
Managing People and Performance		to practices and techniques for evaluating	2020	https://web.mitsgwalior.in/images/Departments/mana
in Organizations	700201	performance, structuring teams, coaching and		gement/NAAC/1.1.3%20DoM%202021-
		mentoring people		22%20final%201.pdf
Statistics for Managers		statistical description and analysis, appropriate	2021	https://web.mitsgwalior.in/images/Departments/mana
	700202	for a business student		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
Business Research Methods		design and execute a basic survey research	2021	https://web.mitsgwalior.in/images/Departments/mana
	700203	project, to understand the research tools and		gement/NAAC/1.1.3%20DoM%202021-
		techniques		22%20final%201.pdf
International Business Perspectives		emerging global trends to business environment	2021	https://web.mitsgwalior.in/images/Departments/mana
	700204	and framework of International Business		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
Financial Management		ensure regular and adequate supply of funds to	2020	https://web.mitsgwalior.in/images/Departments/mana
	700213	the concern and Adequate returns to the		gement/NAAC/1.1.3%20DoM%202021-
		shareholders,		22%20final%201.pdf
Entrepreneurship & Innovation		role of the entrepreneur, innovation and	2020	https://web.mitsgwalior.in/images/Departments/mana
	700215	technology in the entrepreneurial process.		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
Legal Aspects of Business		significant provisions of selected business laws	2020	https://web.mitsgwalior.in/images/Departments/mana
	700216			gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
Business, Environment and		social, political and economic context of	2020	https://web.mitsgwalior.in/images/Departments/mana
Sustainability	700218	business, effect of technology on the		gement/NAAC/1.1.3%20DoM%202021-
		environment,Sustainable Business Development		22%20final%201.pdf
Digital Business (MAC)		Metrics to measure performance and verify	2021	https://web.mitsgwalior.in/images/Departments/mana
	MC0201	effectiveness of information resources		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
		Business Strategies and importance of Strategic	2020	https://web.mitsgwalior.in/images/Departments/mana
Strategic Management	700311	Management in context with business leadership		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
		data manipulation, predictive analytics, decisions	2020	https://web.mitsgwalior.in/images/Departments/mana
Data Analytics in Business (MAC)	MC0301	under uncertainty, and decision analytic tools		gement/NAAC/1.1.3%20DoM%202021-
				22%20final%201.pdf
		organizational goals with updated strategies	2020	https://web.mitsgwalior.in/images/Departments/mana
Strategic HRM	MB0111	regarding Human Resource Management in		gement/NAAC/1.1.3%20DoM%202021-
		future		22%20final%201.pdf

Talent and Competency Management	MB0112	talent management and competency in building sustainable competitive advantage to an organization.	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Industrial Relations & Labour Laws	MB0113	various laws and legislations related to the various industrial affairs	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
e-HRM	MB0114	the emerging trends in e-HRM will provide an enlightenment towards the real-world perspectives of e-HRM	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-22%20final%201.pdf
Consumer Behavior	MB0221	Customer Relationship Management, evaluate marketing strategies intended to influence consumer behavior	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-22%20final%201.pdf
Service Marketing	MB0222	differences between services and physical goods, Services Market STP	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Sales & Distribution Management	MB0223	inter-dependence and relationship amongst channels of distribution	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Advertising & Promotion Management	MB0224	informed decision-making ability for effective and efficient tackling of advertising situation and creativity.	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Total Quality Management	MB0331	seven tools of quality, Quality System	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Project Management	MB0332	subject, tools and techniques used for managing projects.	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Production Planning and Control	MB0333	Sales and Operations Planning, Production Activity Control system	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Services Operation Management	MB0334	concepts of service management and developing ability to design service delivery systems	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Investment & Portfolio Management	MB0441	tax system, investment decision making by Portfolio Management.	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Financial Services	MB0442	Indian and Global Financial System	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf

Working Capital Management	MB0443	Liquidity, Inventory, and Cash Management	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-22%20final%201.pdf
Corporate Tax Planning & Management	MB0444	taxability Policies and procedures related to corporate tax	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-22%20final%201.pdf
Managing Change in Organization	MB0115	OD interventions, Change, and Diagnosis	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Leadership & Team Effectiveness	MB0116	Styles of Leadership, Team dynamics & behaviour	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Training & Development	MB0117	Designing and Implementing a Training Program, Management Development Program	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
International Human Resource Management	MB0118	International Business Operations, Managing Diversity and Cross-cultural issues in International context	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Product & Brand Management	MB0225	brand development, architecture and portfolios	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Global Marketing Management	MB0226	a global mindset related to marketing and business with an understanding of the relationship among local, international, and global perspectives	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-22%20final%201.pdf
Retail Management	MB0227	Retail Marketing Strategies, Retailing Management Decision Process	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Digital Marketing	MB0228	product-market situations in digital era, incorporation of digital marketing strategy into the organization's goals and objectives.	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Analytics for Supply Chain Management	MB0335	Models and techniques for optimization of network and resources	2020	https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Management of Inventory System	MB0336	statistical and other quantitative techniques and methods employed in the broad area of materials management, in general and inventory control and management	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-22%20final%201.pdf

Operations Strategy	MB0337	analytical tools and conceptual frameworks for both assessing and designing operating strategies	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-
Productivity Management	MB0338	Productive Maintenance concept and principles and the various tools available to achieve better	2020	22%20final%201.pdf  https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021-
Financial Institutions & Markets	MB0445	efficiency of the machines form and functions of various financial markets and Institutions	2020	22%20final%201.pdf  https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021-
Financial Statement Analysis & Reporting	MB0446	techniques of financial analysis like fund flow, cash flow, ratios, working capital decisions etc.	2020	22%20final%201.pdf  https://web.mitsgwalior.in/images/Departments/mana gement/NAAC/1.1.3%20DoM%202021- 22%20final%201.pdf
Cost Accounting	MB0447	preparation of standard costs and variance statements and skill for controlling cost and decision making.	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-22%20final%201.pdf
Corporate Finance	MB0448	tools and techniques that help managers make decisions that create value for their organizations such as time value of money, opportunity cost, net present value, and internal rate of return.	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202021-22%20final%201.pdf
Dissertation Part-II	560405	To delop product/simulate/experimentation using engineering knowledge to solve societal/industrial problems.	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2021-22.pdf
Basic Civil Engineering & Mechanics	100020	Building Materials, applications of remote sensing, measurement of area volume, shear force bending moment	2017	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Building Planning & Design	110302	Green Buildings, NBC provisions, building bye laws	2018	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Building Materials & Construction	110303	Fresh and Hardened concrete, damp prevention, anti termite treatment, water proofing	2016	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Surveying	110304	Traversing, curve setting, linear and angular measurement	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Strength of Materials	110305	Stress Strain, euler's buckling load	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf

Software Lab	110306	drawing of building elements on AutoCAD	2018	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20April%202018.pdf
Summer Internship Project - I	110308	Students work on in house projects under	2018	https://web.mitsgwalior.in/images/Departments/Civil/
		various domains.		bos%20file/new%20files/BOS%20April%202018.pdf
Estimating, Costing & Contracting	110501	rate analysis, preparation of detailed estimates	2019	https://web.mitsgwalior.in/images/Departments/Civil/
		of buildings, contract		bos%20file/new%20files/BOS%20April%202019%20file.
Structural Design & Drawing (RCC)	110502	design of beams, slabs, columns, footings,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		staircases		bos%20file/new%20files/BOS%20April%202019%20file.
Fluid Machanics II	110502	pipe flow problems, uniform flow in open	2013	<pre>pdf https://web.mitsgwalior.in/images/Departments/Civil/</pre>
Fluid Mechanics - II	110503	channels	2013	bos%20file/new%20files/BOS%20April%202019%20file.
		Chaineis		pdf
Transportation Engineering	110505	geometric design of highways, traffic studies,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		design of flexible and rigid pavements	i	bos%20file/new%20files/BOS%20April%202019%20file.
				<u>pdf</u>
Minor Project - I	110506	students work on various field based problems,	2019	https://web.mitsgwalior.in/images/Departments/Civil/
		case study, experimental studies etc		bos%20file/new%20files/BOS%20April%202019%20file.
				<u>pdf</u>
Summer Internship Project - II	110507	students work on improving their soft skills	2019	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20April%202019%20file.
				<u>pdf</u>
Environmental Engineering	110509	water treatment plant design, design of	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		distribution system, sewage treatment		bos%20file/new%20files/BOS%20MAY%202020.pdf
Irrigation Engineering	110711	Design of lined and unlined canals	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20MAY%202020.pdf
Industrial Waste Treatment	110712	Tretament of various industrial wastes, like	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		textile, paper pulp etc		bos%20file/new%20files/BOS%20MAY%202020.pdf
Advanced Structural Design (RCC)	110713	design of water tanks, bridges, prestressed	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		concrete		bos%20file/new%20files/BOS%20MAY%202020.pdf
Matrix Methods of Structural	110751	Advanced methods of structural analysis	2020	https://web.mitsgwalior.in/images/Departments/Civil/
Analysis				bos%20file/new%20files/BOS%20MAY%202020.pdf

Advanced Concrete Technology	110752	Study on high performance concrete mixture	2020	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20MAY%202020.pdf
Remote Sensing & GIS	110753	Digital image processing, image spectroscopy &	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		GIS		bos%20file/new%20files/BOS%20MAY%202020.pdf
Integrated Waste Management for	900201	energy recovery from municipal solid waste,	2020	https://web.mitsgwalior.in/images/Departments/Civil/
Smart City		leachate management, biomedical, plastic, ewaste management		bos%20file/new%20files/BOS%20MAY%202020.pdf
Project Planning & Control	900202	network techniques in project planning &	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		management, resource planning, cost control		bos%20file/new%20files/BOS%20MAY%202020.pdf
Urban Planning & Transportation	900213	planning of urban transportation systems,	2020	https://web.mitsgwalior.in/images/Departments/Civil/
Systems		intelligent systems		bos%20file/new%20files/BOS%20MAY%202020.pdf
Software Application for Solving	110701	Study on Prima Vera, STADD Pro & MATLAB	2020	https://web.mitsgwalior.in/images/Departments/Civil/
Civil Engineering Problems				bos%20file/new%20files/BOS%20MAY%202020.pdf
Summer Internship Project - III	110702	Field oreinted case studies like bridge, overhead	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		tanks, highway and multistorey buildings, etc		bos%20file/new%20files/BOS%20MAY%202020.pdf
Creative Problem Solving	110703	Providing engineering solutions of critical	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		problems		bos%20file/new%20files/BOS%20MAY%202020.pdf
Computational Techniques	510111	Game Theory, Theory of Probability, Z transform	2020	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20MAY%202020.pdf
Constrcution Materials & Machines	510112	Concrete mix design, special concrete,	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		prefabrication		bos%20file/new%20files/BOS%20MAY%202020.pdf
Contract Management	510113	claims & arbitrations, construction contracts BOT	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		projects		bos%20file/new%20files/BOS%20MAY%202020.pdf
Maintenance Management	510114	Provision of NBC, Plumbing services	2020	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20MAY%202020.pdf
Infrastructure Development	510115	strategic issues in infrastructure development,	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		risk management in infrastructure project		bos%20file/new%20files/BOS%20MAY%202020.pdf
				l

Formwork for Concrete Structures	510116	formwork for special structures, formwork managment	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Organizational Behaviour & Management	800108	group dynamics, comparative management styles and approaches	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Safety & Quality Management	800109	quality standards, ISO, Quality improvement	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Construction Lab	510119	tests in concrete, CBR test of soil	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Infrastructure Project Management	510301	strategic issues in infrastructure development, risk management in infrastructure project	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Urban Hydrology & Waste Management	510302	Hydrograph analysis, flood estimation, C&D waste management	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Preliminary Dissertation	510304	student carry out their research work in various areas	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Environmental Chemistry & Microbiology	530111	instrumental methods of analysis, microbiology of water and waste water	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Solid & Hazardous Waste Management	530112	energy recovery from municipal solid waste, leachate management, biomedical, plastic, ewaste management	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Advanced Treatment Process - I (Waste Water Engineering)	530113	sewage treatment techniques, sewage disposal	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Industrial Waste Management	530114	Tretament of various industrial wastes, like textile, paper pulp etc	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Environmental Auditing & Management System	530115	environmental management system approaches, EMAS, CSR	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Environmental Hydraulics	530116	Pollution transport in surface water	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf

Sustainable Waste Management System	800110	low cost sanitation methods, green design	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Environmental Engineering Lab	530118	water and waste water quality analysis	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20MAY%202020.pdf
Principles & Design of Biological Treatment System	530301	Biological Sewage Treatment techniques	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Urban Hydrology & Waste Management	530302	Hydrograph analysis, flood estimation, C&D waste management	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Preliminary Dissertation	530304	student carry out their research work in various areas	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Building Planning & Design	110211	Green Buildings, NBC provisions, building bye laws	2018	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Basic Civil Engineering Lab	100026	determination of setting time of cement, compressive strength of cement	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Geotechnical Engineering	110402	permeability of soil, stress distribution in soil, shear strength of soil	2018	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Fluid Mechanics - I	110403	Flow measurement, stoke's law, dimensional analysis	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Structural Analysis	110404	analysis of beams & frames by various methods	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Water Resources Engineering	110406	Flood estimation, hydrograph analysis, design of canals	2019	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Survey Practice Lab	110407	Traversing by total station, Profiling of road	2018	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Structural Design & Drawing (Steel)	110602	design of tension members, compression members, plate girders, built up beams	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Solid Waste Management	110612	collection of solid waste, treatment and disposal of waste, waste to energy, plastic waste, ewaste management	2019	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Construction Planning & Management	110613	time cost optimization using network techniques	2017	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf

Railway, Airport & Tunnel Engineering	110614	geometrical design, curves, railway stations, airport planning, construction of tunnels	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Maintenance & Repair of Concrete Structures	110651	Repair of Concrete Structures	2019	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Geotechnical Engineering - II (Foundation Engineering)	110652	Shallow foundations, deep foundations, pile foundations'	2019	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Disaster Management	100007	disaster impacts, disaster risk reduction	2019	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Minor Project - II	110607	students work on various field based problems, case study, experimental studies etc	2019	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20Nov%202019.pdf
Numerical Methods in Engineering	900117	Engineering Solutions of specific field cases	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Maintenance Management	900118	Maintenance Services in Buildings, NBC provision	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Safety in Construction	110851	OSHA regulations, BIM, Safety practices in Construction	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Introduction to Accounting & Finance for Civil Engineers	110852	Financing planning, capital budgeting	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Water Supply Engineering	110853	water treatment plant design, design of distribution system	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Natural Hazards (Deptt Elective Course)	110854	Tsunami assessment & mitigation, landslide management	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Natural Hazards (Open Category Course)	900614	Tsunami assessment & mitigation, landslide management	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Plastic Waste Management	900615	Road construction using plastic waste, recycling of plastic waste	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf
Remote Sensing: Principles & Applications	900617	Remote sensing, LIDAR, Imaging radar etc	2020	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20NOV%202020.pdf

Internship / Project	110801	work on field based projects	2020	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20NOV%202020.pdf
Professional Development	110802	overall evaluation of capabilities of students	2020	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20NOV%202020.pdf
Project Economics & Financing	510211	capital budgeting, project risk, financial	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		accounting		bos%20file/new%20files/BOS%20MAY%202020.pdf
Construction Cost Management	510212	multi criteria decision making methods, multi	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		objective optimization methods		bos%20file/new%20files/BOS%20MAY%202020.pdf
Construction Project Management	510213	network techniques in project planning &	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		management, resource planning, cost control		bos%20file/new%20files/BOS%20MAY%202020.pdf
Safety in Construction	510217	OSHA regulations, BIM, Safety practices in	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		Construction		bos%20file/new%20files/BOS%20MAY%202020.pdf
Sustainable Materials & Green	800208	Green buidlings, provisions of LEED, GRIHA	2020	https://web.mitsgwalior.in/images/Departments/Civil/
Building				bos%20file/new%20files/BOS%20MAY%202020.pdf
Computational Laboratory for	510219	MATLAB, Prima Vera, BIM	2020	https://web.mitsgwalior.in/images/Departments/Civil/
Construction Management				bos%20file/new%20files/BOS%20MAY%202020.pdf
Dissertation	510401	student carry out their research work in various	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		areas		bos%20file/new%20files/BOS%20April%202018.pdf
Air Pollution & Noise Pollution	530211	air pollution control techniques, air quality	2014	https://web.mitsgwalior.in/images/Departments/Civil/
		monitoring, noise pollution control		bos%20file/new%20files/BOS%20MAY%202020.pdf
Advanced Treatment Process - II	530212	water treatment plant design, design of	2014	https://web.mitsgwalior.in/images/Departments/Civil/
(Water Supply Engineering)		distribution system		bos%20file/new%20files/BOS%20MAY%202020.pdf
Environmental Impact Assessment	530213	Planning & developing of EIA reports	2014	https://web.mitsgwalior.in/images/Departments/Civil/
& Ethics				bos%20file/new%20files/BOS%20MAY%202020.pdf
Plastic Waste Management	530214	Road construction using plastic waste, recycling	2020	https://web.mitsgwalior.in/images/Departments/Civil/
		of plastic waste		bos%20file/new%20files/BOS%20MAY%202020.pdf

Global Climatic Changes & Disaster Management	800209	Climate modelling, disaster mitigation	2020	https://web.mitsgwalior.in/images/Departments/Civil/ bos%20file/new%20files/BOS%20MAY%202020.pdf
- Management				503/320111c/ Hew/320111c3/ 503/320111111/32020201.pdf
Advanced Environmental	530217	air quality analysis, AAS analysis	2020	https://web.mitsgwalior.in/images/Departments/Civil/
Engineering Lab				bos%20file/new%20files/BOS%20MAY%202020.pdf
Dissertation	530401	student carry out their research work in various	2014	https://web.mitsgwalior.in/images/Departments/Civil/
		areas		bos%20file/new%20files/BOS%20April%202018.pdf
Engineering Mathematics-I	100011	To understand the concepts of basic mathematical	2018	https://web.mitsgwalior.in/images/Departments/electr
		methods for matrices, complex numbers and differential calculus		onics engineering/BOS%20minutes%20Nov%202020%2 01.pdf
Energy, Environment, Ecology & Society	100015	To study an environment and ecosystem, To study	2017	https://web.mitsgwalior.in/images/Departments/electr
	100010	natural resources	2027	onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Technical Language	100016	Language skills	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Language Lab	100017	Language skills	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Electronics Devices	200211	To expose to the field of electronics engineering, and	2021	https://web.mitsgwalior.in/images/Departments/electr
		to acquire the fundamental knowledge in the field		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Electronics Devices	140211	To expose to the field of electronics engineering, and	2021	https://web.mitsgwalior.in/images/Departments/electr
		to acquire the fundamental knowledge in the field		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Engineering Materials	200212	Different materials and their characteristics used in	2021	https://web.mitsgwalior.in/images/Departments/electr
		manufacturing		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Engineering Materials	140212	Different materials and their characteristics used in	2021	https://web.mitsgwalior.in/images/Departments/electr
		manufacturing		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Engineering Mathematics - III	100003	To understand the concepts of basic mathematical	2019	https://web.mitsgwalior.in/images/Departments/electr
		methods for matrices, complex numbers and		onics engineering/BOS%20minutes%20Nov%202020%2
		differential calculus		<u>01.pdf</u>
Cyber Security	100004	To prepare students with the technical knowledge and	2019	https://web.mitsgwalior.in/images/Departments/electr
		skills needed to protect and defend computer systems		onics engineering/BOS%20minutes%20Nov%202020%2
		and networks.		01.pdf

Electronics - II	200401	To expose to the field of electronics engineering, and	2019	https://web.mitsgwalior.in/images/Departments/electr
		to acquire the fundamental knowledge in the field		onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Electronics - II	140401	To expose to the field of electronics engineering, and	2019	https://web.mitsgwalior.in/images/Departments/electr
		to acquire the fundamental knowledge in the field		onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Analog Communication	200402	Understand and implement the basic analog and	2018	https://web.mitsgwalior.in/images/Departments/electr
		digital communication techniques/ circuits used in		onics engineering/BOS%20minutes%20Nov%202020%2
		communication systems		01.pdf
Analog Communication	140402	Understand and implement the basic analog and	2018	https://web.mitsgwalior.in/images/Departments/electr
		digital communication techniques/ circuits used in		onics engineering/BOS%20minutes%20Nov%202020%2
		communication systems		01.pdf
Communication Networks	200403	Data communication	2019	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Communication Networks	140403	Data communication	2019	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Stochastic Processes in Communication	200404	Digital communication systems	2019	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Hardware Lab	200405	Learn PCB design used in hardware technology	2018	https://web.mitsgwalior.in/images/Departments/electr
		,		onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Hardware Lab	140405	Learn PCB design used in hardware technology	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Electronics Measurement and	140404	Understanding of Measurement errors in electronics	2020	https://web.mitsgwalior.in/images/Departments/electr
Instrumentation		instruments		onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Digital Signal Processing	200601	Fourier transform and signal analysis	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Digital Signal Processing	140602	Fourier transform and signal analysis	2018	https://web.mitsgwalior.in/images/Departments/electr
		, ,		onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Data Communication	200602	layered architecture of communication protocols	2018	https://web.mitsgwalior.in/images/Departments/electr
		,		onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
				<u>021901</u>

Minor Project - II	200606	Integration of knowledge and skills from various areas	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Minor Project - II	140606	Integration of knowledge and skills from various areas	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Optical Communication	200611	Explain the different modes of propagation in an	2020	https://web.mitsgwalior.in/images/Departments/electr
		optical fiber		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Optical Communication	140611	Explain the different modes of propagation in an	2020	https://web.mitsgwalior.in/images/Departments/electr
		optical fiber		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Antennas and Wave Propagation	200612	Antenna design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Antennas and Wave Propagation	140612	Antenna design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Telecom Switching and Networks	200613	Traffic management.	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Telecom Switching and Networks	140613	Traffic management.	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Spread Spectrum Communications and	200651	Secure communications over a large freequency band	2020	https://web.mitsgwalior.in/images/Departments/electr
Jamming				onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Spread Spectrum Communications and	140651	Secure communications over a large freequency band	2020	https://web.mitsgwalior.in/images/Departments/electr
Jamming				onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Digital IC Design	200652	MOS Design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Digital IC Design	140652	MOS Design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Fuzzy Sets,Logic and Systems &	200653	Concepts of fuzzy logic and its applications	2020	https://web.mitsgwalior.in/images/Departments/electr
Application				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf

Fuzzy Sets,Logic and Systems &	140653	Concepts of fuzzy logic and its applications	2020	https://web.mitsgwalior.in/images/Departments/electr
Application				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Intelligent Control	900104	Fuzzy logic, neural networks	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Embedded System	900105	To develop assembly	2020	https://web.mitsgwalior.in/images/Departments/electr
		language programming skills		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Microprocessor and Interfacing	140601	To develop assembly	2020	https://web.mitsgwalior.in/images/Departments/electr
		language programming skills		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Internship / Project	200801	Able to test the theoretical learning in practical	2021	https://web.mitsgwalior.in/images/Departments/electr
		situations by accomplishing the tasks assigned during		onics_engineering/BOS%20minutes%20Nov%202020%2
		the internship period		<u>01.pdf</u>
Internship / Project	140801	Able to test the theoretical learning in practical	2021	https://web.mitsgwalior.in/images/Departments/electr
		situations by accomplishing the tasks assigned during		onics_engineering/BOS%20minutes%20Nov%202020%2
		the internship period		<u>01.pdf</u>
Innovative Technical Contribution	200802	To encourage higher-level thinking and creativity	2021	https://web.mitsgwalior.in/images/Departments/electr
		through ICT.		onics_engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Innovative Technical Contribution	140802	To encourage higher-level thinking and creativity	2021	https://web.mitsgwalior.in/images/Departments/electr
		through ICT.		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Modern Digital Communication	200851	Understand and implement the basic analog and	2021	https://web.mitsgwalior.in/images/Departments/electr
Techniques		digital communication techniques/ circuits used in		onics engineering/BOS%20minutes%20Nov%202020%2
		communication systems		<u>01.pdf</u>
Modern Digital Communication	140851	Understand and implement the basic analog and	2021	https://web.mitsgwalior.in/images/Departments/electr
Techniques		digital communication techniques/ circuits used in		onics engineering/BOS%20minutes%20Nov%202020%2
		communication systems		<u>01.pdf</u>
Mathematical Methods and Techniques	200852	Signal processing	2021	https://web.mitsgwalior.in/images/Departments/electr
In Signal Processing				onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Mathematical Methods and Techniques	140852	Signal processing	2021	https://web.mitsgwalior.in/images/Departments/electr
In Signal Processing				onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Power Management Integrated Circuits	200853	Power management circuits	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf

Power Management Integrated Circuits	140853	Power management circuits	2021	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Linear Dynamical Systems	900601	Applications to circuits, signal processing,	2021	https://web.mitsgwalior.in/images/Departments/electr
		communications, and control systems		onics engineering/BOS%20minutes%20Nov%202020%2
				01.pdf
Sensors and Actuators	900602	Improve skills in microtechnology to fabricate sensors	2021	https://web.mitsgwalior.in/images/Departments/electr
		and systems		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Electronics Equipment Integration and	900603	Develop skill to understand working prototype of	2021	https://web.mitsgwalior.in/images/Departments/electr
Prototype Building		electronic equipment		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Computer Vision and Image Processing -	900604	To introduce the concepts of image processing and	2021	https://web.mitsgwalior.in/images/Departments/electr
Fundamentals and Applications		basic analytical methods to be used in image		onics engineering/BOS%20minutes%20Nov%202020%2
		processing		<u>01.pdf</u>
Engineering Physics	100013	Physics relevant to engineering applications.	2017	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Basic Mechanical Engineering	100021	To provide a comprehensive knowledge of basic	2017	https://web.mitsgwalior.in/images/Departments/electr
		mechanical systems.		onics_engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Basic Electrical & Electronics	100022	To expose to the field of electrical & electronics	2018	https://web.mitsgwalior.in/images/Departments/electr
Engineering		engineering, and to acquire the fundamental		onics engineering/BOS%20minutes%20Nov%202020%2
		knowledge in the field		<u>01.pdf</u>
Basic Computer Engineering	100023	An ability to design, implement, and evaluate a	2017	https://web.mitsgwalior.in/images/Departments/electr
		computer-based system, process, components		onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Electronics Workshop	200111	Circuit design	2017	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Electronics Workshop	140111	Circuit design	2017	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS%20minutes%20Nov%202020%2
				<u>01.pdf</u>
Engineering Mathematics-II	100001	To understand the concepts of basic mathematical	2018	https://web.mitsgwalior.in/images/Departments/electr
		methods for matrices, complex numbers and		onics engineering/BOS/BOS%20May%202020 compres
		differential calculus		sed.pdf_
Electronics - I	200301	To expose to the field of electronics engineering, and	2017	https://web.mitsgwalior.in/images/Departments/electr
		to acquire the fundamental knowledge in the field		onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf

Electronics - I	140301	To expose to the field of electronics engineering, and	2017	https://web.mitsgwalior.in/images/Departments/electr
	1.0001	to acquire the fundamental knowledge in the field	2027	onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Digital Circuits and Systems	200302	Develop skills and confidence to conceive and	2017	https://web.mitsgwalior.in/images/Departments/electr
Digital circuits and Systems	200302	implement a complex digital system	2017	onics engineering/BOS/BOS%20May%202020 compres
		implement a complex digital system		sed.pdf
Digital Circuits and Systems	140202	Develop skills and confidence to conceive and	2017	
Digital Circuits and Systems	140302	implement a complex digital system	2017	https://web.mitsgwalior.in/images/Departments/electr
		implement a complex digital system		onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Network Theory	200303	Apply the knowledge of basic circuital law and simplify	2017	https://web.mitsgwalior.in/images/Departments/electr
		the network using reduction techniques		onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Network Theory	140303	Apply the knowledge of basic circuital law and simplify	2017	https://web.mitsgwalior.in/images/Departments/electr
		the network using reduction techniques		onics_engineering/BOS/BOS%20May%202020_compres
				<u>sed.pdf</u>
Signals & Systems	200304	To describe signals mathematically	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Signals & Systems	140304	To describe signals mathematically	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Software Lab (Introduction to MATLAB)	200305	MATLAB for industry	2017	https://web.mitsgwalior.in/images/Departments/electr
, , , , , , , , , , , , , , , , , , ,		,		onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Software Lab (Introduction to MATLAB)	140305	MATLAB for industry	2017	https://web.mitsgwalior.in/images/Departments/electr
,		,		onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Ethics, Economics Entrepreneurship &	100005	Developing skill for managing social and economic	2020	https://web.mitsgwalior.in/images/Departments/electr
Management	100003	activities	2020	onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Electromagnetic Theory	200502	Introduces electromagnetic concepts to the	2020	https://web.mitsgwalior.in/images/Departments/electr
Liectromagnetic meory	200302	performance of	2020	
		devices, circuits, and systems.		onics engineering/BOS/BOS%20May%202020 compres
Electronic de Theory	4.405.02	· · · · · ·	2020	sed.pdf
Electromagnetic Theory	140502	Introduces electromagnetic concepts to the	2020	https://web.mitsgwalior.in/images/Departments/electr
		performance of		onics engineering/BOS/BOS%20May%202020 compres
		devices, circuits, and systems.		sed.pdf
Microprocessor & Interfacing	200503	To develop assembly	2020	https://web.mitsgwalior.in/images/Departments/electr
		language programming skills		onics engineering/BOS/BOS%20May%202020 compres
				<u>sed.pdf</u>

Linear Control Theory	200504	Learning of control system-theory and its	2017	https://web.mitsgwalior.in/images/Departments/electr
		implementation used for electronics devices	2027	onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Linear Control Theory	140504	Learning of control system-theory and its	2017	https://web.mitsgwalior.in/images/Departments/electr
Linear Control Theory	140304	implementation used for electronics devices	2017	onics engineering/BOS/BOS%20May%202020 compres
		implementation used for electronics devices		
District Communication	200505		2047	sed.pdf
Digital Communication	200505	understand and implement the basic analog and digital communication techniques/ circuits used in	2017	https://web.mitsgwalior.in/images/Departments/electr
		communication systems		onics engineering/BOS/BOS%20May%202020 compres
		, '		sed.pdf
Digital Communication	140505	understand and implement the basic analog and	2017	https://web.mitsgwalior.in/images/Departments/electr
		digital communication techniques/ circuits used in		onics engineering/BOS/BOS%20May%202020 compres
		communication systems		sed.pdf
Minor Project - I	200506	Integration of knowledge and skills from various areas	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/BOS/BOS%20May%202020_compres
				sed.pdf
Minor Project - I	140506	Integration of knowledge and skills from various areas	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/BOS/BOS%20May%202020_compres
				sed.pdf
Data Communication	140503	Layered architecture of communication protocols	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Intellectual Property Rights	100008	To learn the procedure of obtaining Patents,	2020	https://web.mitsgwalior.in/images/Departments/electr
		Copyrights, Trade Marks &Industrial Design		onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
VLSI Lab	200701	develop the skill in the fundamental and advanced	2020	https://web.mitsgwalior.in/images/Departments/electr
		principles of VLSI circuit design in digital and analog		onics engineering/BOS/BOS%20May%202020 compres
		domain required in hardware technology		sed.pdf
VLSI Lab	140701	develop the skill in the fundamental and advanced	2020	https://web.mitsgwalior.in/images/Departments/electr
		principles of VLSI circuit design in digital and analog		onics engineering/BOS/BOS%20May%202020 compres
		domain required in hardware technology		<u>sed.pdf</u>
Simulation & Fabrication Lab	200703	Circuit design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Simulation & Fabrication Lab	140703	Circuit design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
				<del>ocuipai</del>

Satellite and Radar Communication	200711	Introduce students to the fundamentals of satellite communication	2020	https://web.mitsgwalior.in/images/Departments/electronics engineering/BOS/BOS%20May%202020 compressed.pdf
Satellite and Radar Communication	140711	Introduce students to the fundamentals of satellite communication	2020	https://web.mitsgwalior.in/images/Departments/electronics engineering/BOS/BOS%20May%202020 compressed.pdf
VLSI Design	200712	Develop the skill in the fundamental and advanced principles of VLSI circuit design in digital and analog domain required in hardware technology	2017	https://web.mitsgwalior.in/images/Departments/electronics engineering/BOS/BOS%20May%202020 compressed.pdf
VLSI Design	140712	Develop the skill in the fundamental and advanced principles of VLSI circuit design in digital and analog domain required in hardware technology	2017	https://web.mitsgwalior.in/images/Departments/electronics_engineering/BOS/BOS%20May%202020_compressed.pdf
Microwave Engineering	200713	An understanding of microwave waveguides, passive & active devices	2017	https://web.mitsgwalior.in/images/Departments/electronics engineering/BOS/BOS%20May%202020 compressed.pdf
Microwave Engineering	140713	An understanding of microwave waveguides, passive & active devices	2017	https://web.mitsgwalior.in/images/Departments/electronics engineering/BOS/BOS%20May%202020 compresed.pdf
Digital Image Processing	200751	To introduce the concepts of image processing and basic analytical methods to be used in image processing	2020	https://web.mitsgwalior.in/images/Departments/electronics engineering/BOS/BOS%20May%202020 compressed.pdf
Digital Image Processing	140751	To introduce the concepts of image processing and basic analytical methods to be used in image processing	2020	https://web.mitsgwalior.in/images/Departments/electronics engineering/BOS/BOS%20May%202020 compressed.pdf
Introduction to Wireless Cellular Communication	200752	Cellular & Mobile Communication	2020	https://web.mitsgwalior.in/images/Departments/electronics engineering/BOS/BOS%20May%202020 compressed.pdf
Introduction to Wireless Cellular Communication	140752	Cellular & Mobile Communication	2020	https://web.mitsgwalior.in/images/Departments/electronics engineering/BOS/BOS%20May%202020 compresed.pdf
Milimeter wave Technology	200753	5G network and radar and satellites	2020	https://web.mitsgwalior.in/images/Departments/electronics_engineering/BOS/BOS%20May%202020_compressed.pdf
Milimeter wave Technology	140753	5G network and radar and satellites	2020	https://web.mitsgwalior.in/images/Departments/electronics_engineering/BOS/BOS%20May%202020_compressed.pdf

Satellite System	900206	Introduce students to the fundamentals of satellite	2020	https://web.mitsgwalior.in/images/Departments/electr
		communication		onics engineering/BOS/BOS%20May%202020 compres
				sed.pdf
Consumer Electronics	900207	To enhance the knowledge, skills and attitudes on	2020	https://web.mitsgwalior.in/images/Departments/electr
		core competencies such as; assemble/disassemble		onics engineering/BOS/BOS%20May%202020 compres
		consumer electronic products		sed.pdf
MEMS & Mechatronics	900218	Skill on various fabrication techniques required in	2020	https://web.mitsgwalior.in/images/Departments/electr
		MEMS		onics engineering/BOS/BOS%20May%202020 compres
				<u>sed.pdf</u>
Multimedia Communication	900219	Explore the various channels available to	2020	https://web.mitsgwalior.in/images/Departments/electr
		communication professionals		onics engineering/BOS/BOS%20May%202020 compres
				<u>sed.pdf</u>
Digital Electronics	160213	This is a comprehensive course on digital	2014	https://web.mitsgwalior.in/images/Departments/infor
		electronics training. The goal of the course is to		mation_technology/BoS/BoS%20Proceedings/5.%20BoS
		learn the digital format of data and codes. It will		%20PROCEEDING%20MEETING%20HELD%20ON%2023
		assist students in understanding Number		<u>%20NOVEMBER%202019.pdf</u>
		Systems, Numeric Codes, Logic Gates,		
		Combinational Circuits, Sequential Circuits etc.		
		for digital circuit-based applications.		
Digital Electronics	160301	This is a comprehensive course on digital	2014	https://web.mitsgwalior.in/images/Departments/infor
		electronics training. The goal of the course is to		mation technology/BoS/BoS%20Proceedings/5.%20BoS
		learn the digital format of data and codes. It will		%20PROCEEDING%20MEETING%20HELD%20ON%2023
		assist students in understanding Number		%20NOVEMBER%202019.pdf
		Systems, Numeric Codes, Logic Gates,		
		Combinational Circuits, Sequential Circuits etc.		
		for digital circuit-based applications.		
Data Structures	160211	This course deals with different kind of data	2014	https://web.mitsgwalior.in/images/Departments/infor
		structures, which includes linked list, stack,		mation technology/BoS/BoS%20Proceedings/5.%20BoS
		array, tree and sorting. That course makes		%20PROCEEDING%20MEETING%20HELD%20ON%2023
		student to employable and also develop skill to		%20NOVEMBER%202019.pdf
		solve algorithm, time complexity, space		
		complexity related problem and software		
		development.		

Data Structures	160302	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Computer Graphics & Multimedia	160411	This course would be focused on the basic concepts of computer graphics techniques and display devices, to enhance the proficiency in image representations, 2D and 3D graphics transformations. Brief overview to develop awareness with various illumination, color models and multimedia system.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Computer Graphics & Multimedia	160303	This course would be focused on the basic concepts of computer graphics techniques and display devices, to enhance the proficiency in image representations, 2D and 3D graphics transformations. Brief overview to develop awareness with various illumination, color models and multimedia system.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Object Oriented Programming & Methodology	160212	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Object Oriented Programming & Methodology	160304	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf

Hardware Lab	160305	Working of Hardware and sofware components of computer and other peripherals.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Discrete Structures	160501	Graph theory, Mathematical Modeling, solution of recurrence relation	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Software Engineering	160412	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Software Engineering	160502	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Theory of Computation	160503	This course deals with concepts of TOC, which includes about finite autometa, regular grammer, context free grammer, CSL and turing machine. That course makes student to employable and also develop skill to solve different kind of newmerical problem those include in competative examinations.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf

Microprocessor & Interfacing	160504	Understanding of different processors and basic architecture of 16 bit microprocessor and their interfacing with memory and I/O devices, understanding of microcontrollers. Designing of systems using microprocessor and microcontroller.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Networking with TCP/IP	160711	This course would cover the fundamental concepts of computer network and its types. overview of network layer, transport layer and application layer protocols for implementation of computer networking concept	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Data Mining & Warehousing	160712	The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Practical Machine Learning with Tensorflow	160751	Model Building on real dataset using open source tool Tensorflow	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Scalable Data Science	160752	Implementation of data science concepts on large scale data	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Introduction to Internet of Things	160753	This course will cover different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
IoT Lab	160701	Understanding various sensors and technology behind them for creating an IoT based application for real world problem solving	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf

Introduction to Computer Programming	230102	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to programming and software development.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
IT workshop	160111	This course deals with fundamentals of computer. Which includes generations of computer, evolution and development of microprocessor, input and output devices, primary and secondary storage devices, programming languages etc. It also deals with the hardware and software aspects of the computer like operating system, application software and system software.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201 compressed.pdf
Soft Computing	900208	Implementation of advanced algorithm for real life problem solving	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Network Security	900209	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2017	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Data Mining & Warehousing	900210	The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
R Programming	900220	Statistical techniques for scientific analysis of data	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203 compressed.pdf

Artificial Intelligence	900221	The course introduces the variety of concepts in the field of artificial intelligence. It discusses the philosophy of AI, and how to model a new problem as an AI problem. It describes a variety of models such as search, logic, Bayes nets, and MDPs, which can be used to model a new problem. It also teaches many first algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of AI.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Computer Networks	900222	This course would be focused on the basic concepts of computer network and its types, concepts of communication using different types of layes. Brief overview of Presentation, Session & Application Layer	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Introduction to Internet of Things (IoT)	230101	This course will cover different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Introduction to Artificial Intelligence	240101	The course introduces the variety of concepts in the field of artificial intelligence. It discusses the philosophy of AI, and how to model a new problem as an AI problem. It describes a variety of models such as search, logic, Bayes nets, and MDPs, which can be used to model a new problem. It also teaches many first algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of AI.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Database Systems	630111	It is a collection of concept that enables the students to create and maintain a database. It provide the fundamental teminalogy to develop the full-fledge databases and it applicabity in the different domains.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf

High-speed Networks	630113	This course would be focused on the basic concepts of computer network and its types, concepts of communication using different types of layes. Brief overview of Presentation, Session & Application Layer	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Mobile Computing & M-Commerce	630114	This course covers interesting topics across a variety of mobile systems (wireless LANs, cellular systems, and sensor networks), and revisit the design of the various layers of the networking stack in the context of wireless communication.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Adhoc & Sensor Based Networks	630115	Students will learn about a variety of applications in both the military and the civilian population worldwide such as in cases of enemy intrusion in the battlefield, object tracking, habitat monitoring, patient monitoring, fire detection and so on, where Ad-hoc networks are useful.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Information Security & Systems	630116	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Soft Computing	800105	Implementation of advanced algorithm for real life problem solving	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdff
Blockchain Technology	800106	Course will cover the basic design principles of Blockchain technology and its applications over different sectors. Additionally, the course also provides tutorials on setting up blockchain applications using one of the well-adopted permissionless blockchain platforms - Ethereum, and one permissioned blockchain platform - Hyperledger.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf

Lab-I (IoT Lab)	630118	Understanding various sensors and technology behind them for creating an IoT based application for real world problem solving	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Design & Analysis of Algorithms	160401	It provides the fundametal concepts of Algorithms design and its analysis in terms of time and space complextiy. It also teaches popular problem of the computer science with the help of concept development and coding	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Database Management System	160402	It is a collection of concept that enables the students to create and maintain a database. It provide the fundamental teminalogy to develop the full-fledge databases and it applicabity in the different domains.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Operating System	160403	It explains the concepts of interface working the computers in broader way. It gives the internal workings of the operating system in the conceptual manner.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Computer System Organization	160404	This course is concerned with the structure and behavior of a computer system as observed by the user. It serves as the link between hardware and software. It is involved with the elements of system interconnection. It enables students to design, create, and deploy applications that are better, quicker, cheaper, and more efficient in order to make informed decisions.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Programming Lab	160414	Design and development of efficient softwares using programming that can solve the problem related to different domains.	2017	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Programming Lab	160405	Design and development of efficient softwares using programming that can solve the problem related to different domains.	2017	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf

Compiler Design	160601	This course deals with concepts of COmpile design, which includes lexical analyzer, syntax analyzer, sementics, ICG, code optimization and code ganeration. That course makes student to employable and also develop skill to solve different kind of newmerical problem those include in competative examinations.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Computer Networks	160602	This course would be focused on the basic concepts of computer network and its types, concepts of communication using different types of layes. Brief overview of Presentation, Session & Application Layer	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Network & Web Security	160611	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Agile Methodology	160613	This course will explain underpinning philosophy and principles of Agile, lifecycle of an Agile project, including alternative configurations. The products produced during an Agile project and the purpose of these. The techniques used and their benefits and limitations. The roles and responsibilities within an Agile project. The Agile Project Management process can enable planning, management and control for predictable Agile project deliveries.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Data Analytics with Python	160651	Analysis on Real Data Set	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf

Introduction to Machine Learning	160652	The course introduces the variety of concepts in the field of Machine learning. It discusses the introduction of ML, and how to model a new problem as an ML problem. It describes a variety of models such as linear regression, logistic regression, and clustering methods etc. which can be used to model a new problem. It also teaches many algorithms to solve each formulation.	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Cloud Computing	160614	Clouds, Virtualization and Virtual Machine, Consensus, Paxos and Recovery in Clouds, Cloud Storage, P2P Systems and their use in Industry Systems	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Cloud Computing	160653	Clouds, Virtualization and Virtual Machine, Consensus, Paxos and Recovery in Clouds, Cloud Storage, P2P Systems and their use in Industry Systems	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Artificial Intelligence: Knowledge Representation And Reasoning	160654	The course introduces the variety of concepts in the field of artificial intelligence. It describes a variety of models such as search, logic, Bayes nets, and MDPs, which can be used to model a new problem. It also teaches many first algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of AI.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Social Networks	160851	Analysis of Modern Social Network	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Privacy and Security in Online Social Media	900618	Privacy and Security Analysis of multiple online Social Network	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf

Privacy and Security in Online Social Media	160852	Privacy and Security Analysis of multiple online Social Network	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Introduction to internet of things	900619	This course will cover different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Data Science for Engineers	900620	Mathematical foundations required for Data Science, Model Development and Assessment	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Social Networks	900621	Analysis of Modern Social Network	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Software Engineering	900108	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2017	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf

Data Mining & Warehousing	900116	The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/7.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2028%20NOVEMBER%202020%201_compressed.pdf
Data Structures	160210	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/8.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2010%20JUNE%202021%202.pdf
Digital Logic Design	230201	This course is associated with digital integrated circuits (ICs), which use binary integers to execute certain computer operations. This course prepares students to design hardware like circuit boards and microchip processors. This hardware is used to manage user input, system protocol, and other data in navigation systems, mobile phones, and other high-tech systems.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/8.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2010%20JUNE%202021%202.pdf
Data Structures	230202	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/8.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2010%20JUNE%202021%202.pdf
Object Oriented Programming and Methodology	230203	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/8.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2010%20JUNE%202021%202.pdf

Algorithms Design Techniques and Analysis	630211	It provides the fundametal concepts of Algorithms design and its analysis in terms of time and space complextiy. It also teaches popular problem of the computer science with the help of concept development and coding	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Advanced Topics in Data Mining & Warehousing	630212	The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software.	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203 compressed.pdf
Image Processing and Retrieval Techniques	630213	The intent of this course is to familiarize the students to explain the fundamental concepts/issues of Computer Vision and Image Processing, and major approaches that address them. This course provides an introduction to computer vision including image acquisition and image formation models, radiometric models of image formation, image formation in the camera, image processing concepts, concept of feature extraction and selection for pattern classification/recognition, and advanced concepts like motion estimation and tracking, image classification, scene understanding, object classification and tracking, image fusion, and image registration, etc.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Data Science for Engineers	630214	Mathematical foundations required for Data Science, Model Development and Assessment	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf
Privacy and Security in Online Social Media	630215	Privacy and Security Analysis of multiple online Social Network	2020	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/6.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2030%20MAY%202020%203_compressed.pdf

Cloud Computing and Distributed	630216	Clouds, Virtualization and Virtual Machine and	2020	https://web.mitsgwalior.in/images/Departments/infor
System	030210	Recovery in Clouds, Cloud Storage, P2P Systems,	2020	mation technology/BoS/BoS%20Proceedings/6.%20BoS
3,010		basics of distributed systems and their use in		%20PROCEEDING%20MEETING%20HELD%20ON%2030
		Industry Systems		%20MAY%202020%203 compressed.pdf
Introduction to Internet of Things	800206	This course will cover different application	2020	https://web.mitsgwalior.in/images/Departments/infor
introduction to internet or rinings	000200	domain verticals ranging from civilian to defence	2020	mation technology/BoS/BoS%20Proceedings/6.%20BoS
		sectors. These domains include agriculture,		%20PROCEEDING%20MEETING%20HELD%20ON%2030
		space, healthcare, manufacturing, construction,		%20MAY%202020%203 compressed.pdff
		water, and mining, which are presently		7010111117,0111110110110111111111111111
		transitioning their legacy infrastructure to		
		support IoT.		
Cloud Computing	800207	Clouds, Virtualization and Virtual	2015	https://web.mitsgwalior.in/images/Departments/infor
, ,		Machine, Consensus, Paxos and Recovery in		mation technology/BoS/BoS%20Proceedings/6.%20BoS
		Clouds, Cloud Storage, P2P Systems and their		%20PROCEEDING%20MEETING%20HELD%20ON%2030
		use in Industry Systems		%20MAY%202020%203 compressed.pdff
		, ,	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2020-
Organic Process Technology	170302	Synthesis of oils		21%20Employbility compressed%201.pdf
	170303	Pumps, flowmeters and valve	2016	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2020-
Fluid Mechanics				21%20Employbility compressed%201.pdf
	170304	Combustion calculation	2016	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2020-
Material & Energy Balance				21%20Employbility compressed%201.pdf
	170305	Particales size reduction and screen analysis	2016	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2020-
Fluid Particle Mechanics				21%20Employbility compressed%201.pdf
		Synthesis of different chemicals	2018	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2020-
Chemical Synthesis Lab	170306			21%20Employbility compressed%201.pdf
Heat Transfer	170402		2016	https://web.mitsgwalior.in/images/Departments/chemi
		Lumped parameter for distributed heat transfer		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		equipments		teria%201%20updated/2020-
				21%20Employbility compressed%201.pdf

Mass Transfer –I	170403		2016	https://web.mitsgwalior.in/images/Departments/chemi
		Drying of wet solids, Crystalization		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Drying or wet solids, Crystalization		teria%201%20updated/2020-
				21%20Employbility compressed%201.pdf
Instrumentation & Process Control	170404	PID Controllers, Stablity analysis of process	2019	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2020-
				21%20Employbility_compressed%201.pdf
Mechanical Design of Process	170405		2016	https://web.mitsgwalior.in/images/Departments/chemi
Equipment		Desires of heard and also were		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Design of head and closures		teria%201%20updated/2020-
				21%20Employbility compressed%201.pdf
			2019	https://web.mitsgwalior.in/images/Departments/chemi
		Slave controllers level control		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Flow controllers, level control		teria%201%20updated/2020-
Process Control Lab	170407			21%20Employbility compressed%201.pdf
Chemical Engineering	170501	Ideal and non ideal mixer and solutions		https://web.mitsgwalior.in/images/Departments/chemi
Thermodynamics			2016	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2016	teria%201%20updated/2020-
				21%20Employbility_compressed%201.pdf
	170502		2017	https://web.mitsgwalior.in/images/Departments/chemi
		Draing of wat called Evaporation		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Drying of wet solids, Evaporation		teria%201%20updated/2020-
Mass Transfer –II				21%20Employbility compressed%201.pdf
	170503	Reactors and flow analysis	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
Chemical Reaction Engineering – I				teria%201%20updated/2020-
				21%20Employbility compressed%201.pdf
Computational Methods in	170504	Optimization of chemical processes	2017	https://web.mitsgwalior.in/images/Departments/chemi
Chemical Engg				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2020-
				21%20Employbility_compressed%201.pdf
Inorganic Process Technology	170505		2017	https://web.mitsgwalior.in/images/Departments/chemi
		Compart in dustry Duly and assessing that		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Cement industry, Pulp and paper industry		teria%201%20updated/2020-
	1			21%20Employbility compressed%201.pdf

	170611		2020	https://web.mitsgwalior.in/images/Departments/chemi
		Design of head and closures		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Design of flead and closures		teria%201%20updated/2020-
Process Equipment Design				21%20Employbility compressed%201.pdf
		And the state of t		http://103.25.130.79/~mitsgwalior/images/Department
Dignt Design and Feenemies	170751	Application of economic analysis for the process plant design & development along with individual design of	2020	s/chemical_engineering/NAAC%20FILE%2016.12.22/Su
Plant Design and Economics	1/0/51	process equipments	2020	mmary%20iii%20%20july%20-%20dec%202020-
		process equipments		merged.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Chemical Process Safety	170752	Familiarization of various process hazards & safety practices and regulations prevalent in chemical	2020	s/chemical engineering/NAAC%20FILE%2016.12.22/Su
Chemical Process Safety	1/0/32	industry	2020	mmary%20iii%20%20july%20-%20dec%202020-
		muusti y		merged.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Numerical Methods for Engineers	170753	Application of various numerical methods for solving	2020	s/chemical_engineering/NAAC%20FILE%2016.12.22/Su
Numerical Methods for Engineers	170733	chemical engineering problems	2020	mmary%20iii%20%20july%20-%20dec%202020-
				merged.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Favilibrium Stage Operation	170712	Technical Skills of Chemical Seperation Processes	2020	s/chemical engineering/NAAC%20FILE%2016.12.22/Su
Equilibrium Stage Operation	1/0/12			mmary%20iii%20%20july%20-%20dec%202020-
				merged.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Industrial Pollution prevention and	170713	Familiarization with industrial pollution methods	2020	s/chemical engineering/NAAC%20FILE%2016.12.22/Su
Control	1/0/13	and environmental regulations	2020	mmary%20iii%20%20july%20-%20dec%202020-
				merged.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Detuce he anniced To show allow.	470744	Comprehensive knowledge of Petrochemical	2020	s/chemical_engineering/NAAC%20FILE%2016.12.22/Su
Petrochemical Technology	170714	sectors	2020	mmary%20iii%20%20july%20-%20dec%202020-
				merged.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Membrane Technology	170653	Utilization of membrane by using different	2020	s/chemical engineering/NAAC%20FILE%2016.12.22/1%
	170033	Technology	2020	20BOS 28%20Nov%202020 merged compressed.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Membrane Seneration Process	BCHL802	Utilization of membrane in different filteration process	2017	s/chemical engineering/NAAC%20FILE%2016.12.22/2%
Membrane Seperation Process	BCHL802		2017	20JULy%202019%20BOS merged compressed%201.pd
				<u>f</u>

	I	1		
Polymer Technology	170614	Application of Polymer by using Technolgy	2017	http://103.25.130.79/~mitsgwalior/images/Department s/chemical engineering/NAAC%20FILE%2016.12.22/1% 20BOS 28%20Nov%202020 merged compressed.pdf
Chemical Process Calculations	170211	Combustion calculation	2020	https://web.mitsgwalior.in/images/Departments/chemical_engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2020-21-signed_merged.pdf
Process Computation Lab	170701	PID Controllers, Stablity analysis of process	2020	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2020-21-signed merged.pdf
Creative Problem Solving	170708	Case study of engineering problems	2020	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2020-21-signed merged.pdf
Process Modeling & Simulation	170602	Modelling of reactors, heat exchangers	2017	https://web.mitsgwalior.in/images/Departments/chemical_engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2020-21-signed_merged.pdf
Petroleum Processing Technology	900211	Application of petroleaum technology in the process of chemical industry	2017	http://103.25.130.79/~mitsgwalior/images/Department s/chemical engineering/NAAC%20FILE%2016.12.22/20 21%20JUNE%20BOS%20Meeting%20June%202021 co mpressed.pdf
Industrial Safety and Hazards	900223	Fall tree analysis,EPA	2020	http://103.25.130.79/~mitsgwalior/images/Department s/chemical_engineering/NAAC%20FILE%2016.12.22/20 21%20JUNE%20BOS%20Meeting%20June%202021_co mpressed.pdf
Optimization in Chemical Engg.	170851	Application of optimization techniques to chemical processes	2016	http://103.25.130.79/~mitsgwalior/images/Department s/chemical engineering/NAAC%20FILE%2016.12.22/su mmary%20iii%20jan%20-%20june%202021- merged%201.pdf
Waste to Energy Conversion	170852	Utilization of waste materials for unconventional energy production	2020	http://103.25.130.79/~mitsgwalior/images/Department s/chemical_engineering/NAAC%20FILE%2016.12.22/su mmary%20iii%20jan%20-%20june%202021- merged%201.pdf

Biomass Conversion and Biorefinery	170853			http://103.25.130.79/~mitsgwalior/images/Department
		Biodiesel synthesis	2020	s/chemical engineering/NAAC%20FILE%2016.12.22/su mmary%20iii%20jan%20-%20june%202021-
				merged%201.pdf
		Handling Real-world Network Datasets, Strength		https://web.mitsgwalior.in/images/Departments/Comp
Social Networks(DE)	150851	of Weak Ties, Homophily, Link Analysis,	2020	<u>uter-</u>
, ,		Cascading Behaviour in Networks, Power Laws		Science/BOS/28.11.2020CSEBoS%20PROCEEDING%20M EETING%20HELD%20ON%2028.11.2020.pdf
				https://web.mitsgwalior.in/images/Departments/Comp
Real Time Operating system(DE)	150852	Characteristics of real-time systems, Modelling	2020	<u>uter-</u>
Real Time Operating system(DL)	130832	time constraints	2020	Science/BOS/28.11.2020CSEBoS%20PROCEEDING%20M
				EETING%20HELD%20ON%2028.11.2020.pdf
		Reinforcement Learning algorithms: Bandit		https://web.mitsgwalior.in/images/Departments/Comp
Reinforcement Learning(DE)	150853	algorithms, Full RL & MDPs, Bellman Optimality, Dynamic Programming, Eligibility Traces,	2020	<u>uter-</u> Science/BOS/28.11.2020CSEBoS%20PROCEEDING%20M
		Function Approximation		EETING%20HELD%20ON%2028.11.2020.pdf
				https://web.mitsgwalior.in/images/Departments/Comp
Danasta sa antal Lah	150701	Department lab for implementing basic	2020	uter-
Departemental Lab	150/01	programming concepts	2020	Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel
				d%20on%2030th%20May%202020.pdf
		The primary purpose of doing an academic		https://web.mitsgwalior.in/images/Departments/Comp
Summar intereschin Breiest III	150702	internship is to better understand the theories, ideas, and practices of your discipline or major	2020	<u>uter-</u>
Summer interenship Project-III	150702	by actively engaging in a "hands-on," work-	2020	Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel
		based, learning experience.		d%20on%2030th%20May%202020.pdf
				https://web.mitsgwalior.in/images/Departments/Comp
Creative Problem Solving	150703	Problem Soving, Algoithm design, Data	2020	<u>uter-</u>
e. cataro e rosacam commig	200700	Strucutres	_0_0	Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel
				d%20on%2030th%20May%202020.pdf
		TCP/IP model, Subnetting and Supernetting, TCP		https://web.mitsgwalior.in/images/Departments/Computer-
Networking with TCP/IP(DE)	150711	and UDP Protocols, Routing Protocols,	2015	Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel
		Troubleshooting Principles		d%20on%2030th%20May%202020.pdf
		Data Mining, Data Warehouse and OLTP		https://web.mitsgwalior.in/images/Departments/Comp
		Technology for Data Mining, Data Pre-		uter-
Data Minning & Warehousing(DE)	150712	processing, Mining Association Rules in Large	2020	Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel
		Databases, Classification & Predication and		d%20on%2030th%20May%202020.pdf
		Cluster Analysis		

Distributed System(DE)	150713	Distributed Computing Model, Distributed Share Memory, Distributed File System, Inter Process Communication and Synchronization, Distributed Scheduling and Deadlock	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Practical Machine Learning with tensorflow(DE*)	150751	Tensorflow, Machine Learning, Data Input and Preprocessing with Tensorflow, Machine Learning Model Building, Prediction with Tensorflow, Advance Tensorflow	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Scalable Data Science (DE*)	150752	Probability, Linear algebra, Optimization: Basics, Memory-efficient data structures, Approximate near neighbors search, Randomized Numerical Linear Algebra, Map-reduce and related paradigms Map reduce, Distributed Machine Learning and Optimization	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Introduction to Internet of Things (DE*)	150753	Workshop on Internet of Things(IoT) and Data Analytics	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Compiler Design	150601	Translation Process, Lexical Analysis, Syntax Analysis, Semantic Analysis, Code Generation and Code Optimization	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Computer Network	150602	Networking Protocols, OSI Reference Model & TCP/IP Reference Model	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Network & Web Security (DE)	150611	Security Principles, Cryptography, Hash Functions, IP & Web Security, Phishing	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Mobile Computing (DE)	150613	Personal Communication Services(PCS), General Packet Radio Services(GPRS), Wireless Application Protocol(WAP), Third Generation (3G) Mobile Services, Wireless Local Loop (WLL)	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf

Cloud Computing	150614	Cloud Computing Architecture, Service Management, Data Management, Resource Management, Cloud Security	2017	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023_620NOVEMBER%202019.pdf
Data Analytics with Python (DE*)	150651	Workshop on Internet of Things(IoT) and Data Analytics	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Introduction to Machine Learning (DE*)	150652	Learning, ML model, Model Selection, Model optimization and Evaluation, Supervised Machine Learning, Ensemble Learner, Unsupervised Machine Learning	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Data Structure (OC)	900106	Algorithms, Arrya, Linked List, Stack, Queue, Graph, Tree, Searching and Sorting	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Python programming (OC)	900107	Python Introduction, Tuples and Lists, Functions, Files and Exceptions, Data Visualization	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Minor Project -II	150606	To develop ability to identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Discrete Structures	150501	Sets, Functions, Propositional logic, Graph Theory, Group Theory	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/9th%20April%202019.pdf
Software Engineering	150502	Requirement Engineering, Software Metrics, Project Management and Estimation, Software Testing	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/9th%20April%202019.pdf
Theory of Computation	150503	Automata, Computability and Complexity, Push down Automata, Turing Machine, Decidability	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/9th%20April%202019.pdf
Microprocessor & Interfacing	150504	Microprocessors (8086), Basic Peripherals and Interfacing, Special Purpose Programmable Peripheral Devices and Interfacing, Serial and Parallel Data Transfer, Microcontrollers	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/9th%20April%202019.pdf

Minor Project-I	150505	In this course the students apply the programming knowledge into a real- world situation/problem and exposed the students how programming skills helps in developing a good engineer	2019	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/9th%20April%202019.pdf
Summer interenship Project- II(Evaluation)	150506	The primary purpose of doing an academic internship is to better understand the theories, ideas, and practices of your discipline or major by actively engaging in a "hands-on," workbased, learning experience.	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/9th%20April%202019.pdf
Self Learning/ Preseantation(SWAYAM/ NPTEL/MOOC)	150507	Self Learning through MOOC courses	2019	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/9th%20April%202019.pdf
Indian Constitution and Traditional Knowledge(Audit Course)	100006	Basic Structure of Indian Knowledge System, Indian Philosophy or Darshanas, Indian Art, Political Science, Government and Its Organs, Features of Indian Constitution	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/9th%20April%202019.pdf
Design and Analysis of Algorithms	150401	Algorithms and its importance, Algorithm Design Methods (Divide and Conquer Method, Greedy Method, Dynamic Programming, Backtracking), Algorithm Analysis	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Database Management System	150402	SQL, Normalization, Transaction Processing & Concurrency Control	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Operating System	150403	Basics of operating systems, Process management, Memory management, Storage management	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Computer System Organization	150404	Central Processing Unit (CPU), Computer Arithmetic, Microprocessors, Input-Output Organization, Memory Organization	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Programming Lab	150405	Setting up programming environment, running python programs from a terminal, Python: basics, functions, loops, Object oriented concepts, and working with libraries	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf

Digital Electronics	150301	Number System, Boolean Algebra, Boolean Functions, Boolean Relations, Digital Logic Gates, Combinational Circuits, Sequential Circuits, Memory Decoding, Sequential Programmable Devices	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Data Structures	150302	Algorithms, Arrya, Linked List, Stack, Queue, Graph, Tree, Searching and Sorting	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Computer Graphics	150303	Interactive Computer Graphics, Scan Conversion Technique, 2D & 3D Transformations, Clipping	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Object Oriented Programming and Methodology	150304	Object Oriented Concepts, Programming Techniques, Classes & Objects, Constructors and Destructors, Polymorphism, Inheritance, Pointer & File Concept	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Hardware lab	150305	Hardware components, Connections, Buses, Memory Devices, Microprocessor, Input/Output Devices, Networking, Troubleshooting	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Self Learning/ Presentation(SWAYAM/ NPTEL/MOOC)	150306	Self Learning through MOOC courses	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Summer Internship Project-I	150307	In house internship	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Data Structures	150211	Algorithms, Arrya, Linked List, Stack, Queue, Graph, Tree, Searching and Sorting	2014	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/28.11.2020CSEBoS%20PROCEEDING%20M EETING%20HELD%20ON%2028.11.2020.pdf
Object Oriented Programming and Methodology	150212	Object Oriented Concepts, Programming Techniques, Classes & Objects, Constructors and Destructors, Polymorphism, Inheritance, Pointer & File Concept	2014	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/28.11.2020CSEBoS%20PROCEEDING%20M EETING%20HELD%20ON%2028.11.2020.pdf
Digital Electronics	150213	Number System, Boolean Algebra, Boolean Functions, Boolean Relations, Digital Logic Gates, Combinational Circuits, Sequential Circuits, Memory Decoding, Sequential Programmable Devices	2014	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/28.11.2020CSEBoS%20PROCEEDING%20M EETING%20HELD%20ON%2028.11.2020.pdf

IT Workshop	150111	Evolution of internet, Cyber security and cyber laws, Professional word documents excel, spreadsheets, and power point presentations, Operating System and Software Installations, HTML, Python Langauge	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/28.11.2020CSEBoS%20PROCEEDING%20M EETING%20HELD%20ON%2028.11.2020.pdf
Digital Electronics	290201	Number System, Boolean Algebra, Boolean Functions, Boolean Relations, Digital Logic Gates, Combinational Circuits, Sequential Circuits, Memory Decoding, Sequential Programmable Devices	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/BoS_Dec2021.pdf
Data Structures	290202	Algorithms, Arrya, Linked List, Stack, Queue, Graph, Tree, Searching and Sorting	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/BoS Dec2021.pdf
Object Oriented Programming and Methodology	290203	Object Oriented Concepts, Programming Techniques, Classes & Objects, Constructors and Destructors, Polymorphism, Inheritance, Pointer & File Concept	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/BoS Dec2021.pdf
Introduction to Computer Science and Design	290101	Computers and its compnents, Von-Neumann Model, Algorithm, Problem Solving, computer network, Software	2020	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/BoS_Dec2021.pdf
Introduction to Computer Programming	290102	Basic Input/Output, Variables, Expressions and String Basics, Conditional statements, Loops, Functions, Handle Exceptions	2020	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/BoS_Dec2021.pdf
Dissertation Part-II	620401	The dissertation gives the chance to explore a topic of interest in depth; it gives you practice in essential writing skills; and it should sharpen your capacity for analysis and posing questions.	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Image Processing and Retrieval Techniques	620301	Two Days Workshop on Recent Trends in Image Processing and Security	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Network Security	620302	Attacks, Services and Mechanisms, Security Attacks, Security Services, Integrity check, digital Signature, authentication, hash algorithms, Secret Key Cryptography, Hash Functions and Message Digests, Public key Cryptography, Authentication	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Seminar	620303	Seminar Based evaluation	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf

				1 // 1 // // // // // // // // // // // //
Dissertation Part-I	620304	A dissertation is a long-form piece of academic writing based on original research conducted by students	2018	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel d%20on%2030th%20May%202020.pdf
Algorithms Design Techniques and Analysis	620211	Algorithms Analysis, Asymptotic Notations, Algorithm Design Techniques, Divide And Conquer, Greedy Algorithms, Combinational Search and Optimization, Dynamic Programming, NP - Completeness	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Advanced Topics in Data Mining & Warehousing	620212	Workshop on Internet of Things(IoT) and Data Analytics	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel d%20on%2030th%20May%202020.pdf
Image Processing and Retrival Techniques	620123	Two Days Workshop on Recent Trends in Image Processing and Security	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20heldw20on%2030th%20May%202020.pdf
Internet of Things	620214	Industrial Implementation Perspective of IoT	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel d%20on%2030th%20May%202020.pdf
Deep Learning	620215	Introduction To Neural Networks, Implementing Gradient Descents, Training Neural Networks, Sentiment Analysis, Keras, Tensorflow.Convolutional Neural Network, Recurrent Neural Networks, Recurrent Neural Networks	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Cloud Computing	620216	Cloud architecture standards and interoperability- Cloud types, Requirement analysis, Development environments for service development, Workload distribution architecture-Dynamic scalability-Cloud bursting	2017	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Social Networking	620217	Handling Real-world Network Datasets, Strength of Weak Ties, Homophily, Link Analysis, Cascading Behaviour in Networks, Power Laws	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel d%20on%2030th%20May%202020.pdf

Lab-II	620221	Lab Based Implementation	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Self Learning/ Presentation	620222	Self Learning based evaluation	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Database Systems	620111	Overview of storage and indexing, Hash Based Indexing, Query Optimization, Object Databases, Distributed Databases	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel d%20on%2030th%20May%202020.pdf
Distributed Computing	620112	Evolution of Distributed Computing Systems, System models, Message Passing, Remote Procedure Calls, Distributed Shared Memory, Synchronization	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/6.%20BoS%20Minutes%20Meeting%20hel d%20on%2030th%20May%202020.pdf
High Speed Networks	620113	Frame Relay Networks, Asynchronous transfer mode, ATM Protocol Architecture, Queuing Analysis- Queuing Models, TCP Flow control, TCP Congestion Control, Retransmission, Integrated Services Architecture, Differentiated Services	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Mobile Computing & M-commerce	620114	overview of wireless telephony: cellular concept, GSM, channel structure, location management: HLR-VLR, hierarchical, handoffs, channel allocation in cellular systems, CDMA, GPRS. Wireless Networking, Data management, Mobile Agents computing	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Adhoc and Sensor Based Networks	620115	MAC & ROUTING IN AD HOC NETWORKS, TRANSPORT & QOS IN AD HOC NETWORKS, MAC & ROUTING IN WIRELESS SENSOR NETWORKS, SECURITY IN AD HOC AND SENSOR NETWORKS	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Network Security	620116	Attacks, Services and Mechanisms, Security Attacks, Security Services, Integrity check, digital Signature, authentication, hash algorithms, Secret Key Cryptography, Hash Functions and Message Digests, Public key Cryptography, Authentication	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf

Computer Architecture and Parallel Processing	620117	COMPUTER DESIGN AND PERFORMANCE MEASURES, PARALLEL PROCESSING, PIPELINING AND ILP, MEMORY HIERARCHY DESIGN, MULTIPROCESSOR, MULTI-CORE ARCHITECTURES	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Soft Computing	620118	Fuzzy logic and its applications, Artificial neural networks and its applications, optimization problmes solving, Soloving multi-objectiove optimization problerms, Applications of Soft computing	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Blockchain Technology	620119	Blockchain Technology and its Importance, Digital Signature, Blockchain Consensus, Smart Contract, Decentralized Identity Management, Blockchain Interoperability	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Machine Learning using Python	620120	Applications of Machine Learning, Supervised vs Unsupervised Learning, Python libraries suitable for Machine Learning, Regression Analysis, Classification Analysis, Unsupervised Learning, Recommender Systems	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/6.%20BoS%20Minutes%20Meeting%20held%20on%2030th%20May%202020.pdf
Mathematical Foundations	680111	Apply the concepts of mathematics to the suitable technique for relevant industries and contribution to the society	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Data Structures and Algorithms	680112	Analyze the complexity of various algorithms for different data structures	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Database Management Systems	680113	Analyze an information storage problem and derive an information model expressed in the form of an entity relation diagram and other optional analysis forms, such as a data dictionary, file and page organizations, indexing methods including B tree, and hashing.	2014	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Operating Systems	680114	Discover the different features of real time and mobile operating systems	2014	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf

Management Functions and Oral & Written Communication	680115	Implement professional work habits necessary for effective collaboration and cooperation with others	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Lab – I (Object Oriented Programming Lab)	680116	Develops object oriented application system as part of a team in industry.	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Lab — II (DBMS Lab)	680117	Construct database application system solutions to a broad range of query problems.	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Software Engineering	680211 (DC- 4)	Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Internet of Things	680212 (DC- 5)	Evaluate the role of Security and privacy in the internet of things to provide solutions related to reliability and privacy for real world problems	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Computer Networks	680213 (DC- 6)	Illustrate different types of network devices and their functions within a network, Internetworking devices, Routing concepts, techniques and protocols and other concepts of computer networks	2015	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Computer Graphics & Multimedia	680215 (DE- I)	Demonstrate their ability to use modern 3D computer graphics techniques, models, and algorithms to solve graphics problems.	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Corporate Planning	680219 (DE- II (BM))	Select and apply current technologies to support an organization's integrative trade initiatives.	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Java Programming Lab	680223 (DLC 3)	Employ a hierarchy of Java classes to provide a solution to a given set of requirements.	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf

Business Programming Laboratory	680224 (DLC- 4)	Demonstrate Rich Web Application and Services	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Artificial Intelligence and Applications	680311	Explore the latest trends in soft computing, expert systems and machine learning.	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Management Support Systems	680312	Apply various information systems like DBMS together to accomplish the information objectives of an organization in Business Management	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Data Mining and Warehousing	680313	Explore recent trends in data mining such as web mining, spatial-temporal mining	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Cloud Computing	680314 (DE)	Explore some important cloud computing driven commercial systems such as Google Apps, Microsoft Azure and Amazon Web Services and other businesses cloud applications	2017	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Web Technologies		Implement small to large scale projects to provide live solutions in web application development fields.	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Minor Project	680322	Apply SDLC and project Management principles.	2020	https://web.mitsgwalior.in/images/Departments/Computer- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Lab-V (Python Programming Lab)	680323	Implement Python programs using basic libraries	2020	https://web.mitsgwalior.in/images/Departments/Comp uter- Science/BOS/MCA%20BOS%2030%20May%202020.pdf
Architectural Design I	210101	FORM BUILDING(MODELS)and Product Design	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf

Graphics - I	210103	Solve basic problems involving graphics and spatial manipulations for architectural Isometric view: Exterior view of a simple residential building showing all building components.  Axonometric view: Axonometric view of a room interior showing all interior components.  U NIT-3Introduction, type of patterns, pattern making, preparation of moulds and moulding equipment detail.Associate properties of different materials and	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Workshop I	210107	products for designing and model making	2017	02021CO%20MAPPING.docx.pdf
Professional Communication	210111	UNIT 05-Essentials of good writing, Technical Descriptions of Simple Engineering Objects; Formal (Application, Email, CV, Résumé, Memo, Report writing) Implement professional work habits, including those necessary for effective collaboration and corporation with others (HOTS4), Writing:	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Architectural Design III	210301`	Study of contemporary practices & design for town houses and villas in urban areas, to sensitize the students towards life style, individual preferences, space – activity relationship and exploration of how material, color, texture and light affect the quality of spaces is the main focus. It is also intended as an exercise in massing & configuration of façade elements such as the balancing of solids & voids, adoption of a system of proportioning and elements of contemporary detailing. This design exercise will also attempt to involve the student in the built form / open space relationship & explore the connectivity between indoor & outdoor spaces./ Design independent residential buildings in urban areas with concepts that respond to	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
		UNIT-3DETAILS OF DOORS, WINDOWS & VENTILATORS: Timber Doors and its Joints: Single, double-leaf, ledged braced & battened door, framed ledged braced &battened door, Paneled door, flush door, and Composite door., Timber Doors and its Joints: Single, double-leaf, ledged braced & battened door, framed ledged braced &battened door, Paneled door, flush door, and Composite door.,Timbers Windows & ventilators: Casement(side hug & top hug), Sliding pivoted (horizontal and vertical) foldingand bay windows, fixed light of different sizes and shapes.,Combined doors and windows and ventilators::Draw types of timber doors, windows, ventilators and its joinery detail.		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Building Construction II	210302		2017	02021CO%20MAPPING.docx.pdf

Graphics - III Surveying & Levelling	210303 210304	Exercise will be a group activity; to measure and draw the floor plan along with the plot boundaries, four side elevations, four sections, block plan, site plan of a large building or a settlement with the help of CAD. In addition to this drawing shall be prepared based on examples of buildings by giving a sketch design. Drawings shall be detailed enough to explain the complete design.:Develop Basic skills in visual composition using Graphics  UNIT-5Leveling and contouring.:Work out the contour surveying with the help of leveling instrument	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Architectural Design V	210501	UNIT 1 - MATERIAL STUDIO, Analyzethe culture of a place – building types such as the cultural center comprising of spaces such as the art gallery, auditorium for performing arts, library etc UNIT - 2 HEALTHCARE BUILDINGS, Hospitals and Nursing homes are a special category of buildings where functional aspects such as planning, building services & the creation of a sterile environment become important design issues.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
		UNIT-1 BUILDING MATERIALS –IV, UNIT -2 STEEL, UNIT-3 WALL & FLOOR UNIT-4 PARTITIONS & FALSE CEILING:UNIT-5 THERMAL INSULATION AND ACOUSTICS INSULATION	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Building Construction IV  Building Services II	210502	UNIT-1 ELECTRICAL SERVICES, UNIT-2 ILLUMINATION AND LIGHTING DESIGN, UNIT-3 AIR CONDITIONING ,UNIT-4 PUMPS AND MACHINERIES, UNIT-5 ELECTRICAL AND AC DUCT LAYOUT OF SIMPLE BUILDINGS.  UNIT-1 CLIMATE &THERMAL COMFORT, UNIT-2 SOLAR GEOMETRY &DESIGN OF SUNSHADING DEVICES UNIT-3 PRINCIPLES OF THERMAL DESIGN IN BUILDINGS	2017	02021CO%20MAPPING.docx.pdf https://web.mitsgwalior.in/images/Departments/archit ecture_planning/co/B%20Arch%20Syllabus%202020%2 02021CO%20MAPPING.docx.pdf https://web.mitsgwalior.in/images/Departments/archit
Building Science and energy conservation	210504	,UNIT-4 VENTILATION & DAY LIGHTING UNIT-5 DESIGN FOR CLIMATIC TYPES	2017	ecture_planning/co/B%20Arch%20Syllabus%202020%2 02021CO%20MAPPING.docx.pdf
Visual Communication Design for		This course impart knowledge on the different aspects of visual communication design, emphasizing on virtual media platform, emphasize on understanding of visual cognition,		https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOARD%20OF%20STUDIES%20M EETING%20MAy%202020%201.pdf
Digital Media (Elective		which is the key factor to achieve user-friendly		
IV)(SWAYAM)	210508	design.	2017	

		Student understands the contemporary issues in		https://web.mitsgwalior.in/images/Departments/archit
		urban planning, overall understanding of		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		classification of settlements, land-use, zoning		EETING%20MAy%202020%201.pdf
		and types of development plan, simple Town		
Human Settlement (Elective II)	210511	planning techniques,	2017	
		Student understands the construction, changing		https://web.mitsgwalior.in/images/Departments/archit
		trends and lifestyles innovations and design		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Interior Design (Elective II)	210512	ideas.	2017	EETING%20MAy%202020%201.pdf
		Student understands the field of conservation,		https://web.mitsgwalior.in/images/Departments/archit
Architectural conservation and		its techniques and develop a base for practical		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
historic preservation (Elective II)	210513	field work.	2017	EETING%20MAy%202020%201.pdf
		UNIT-1 - The range of design problems shall		
		include projects of progressively increasing		
		complexity.		
		Exercises related to public buildings i.e,		
		Commercial center, hospital, Study and		
		incorporation of building bye-laws should be		
		complete in this Sem.		
		UNIT-2- The range of design problems shall		
		include projects of progressively increasing		
		complexity.		
		Exercises related to public buildings i.e.		https://web.mitsgwalior.in/images/Departments/archit
		Auditorium, sports cinema, sports complex &		ecture planning/co/B%20Arch%20Syllabus%202020%2
Architectural Design VII	210701	educational buildings.	2017	02021CO%20MAPPING.docx.pdf
Ü		UNIT-1 SPECIAL STRUCTURES, UNIT- 2 ADVANCE		·
		CONSTRUCTION SYSTEM, UNIT- 3 PRE STRESSED		
		CONCRETE		https://web.mitsgwalior.in/images/Departments/archit
		UNIT- 4 TALL BUILDINGS, UNIT- 5 SHELLS AND		ecture planning/co/B%20Arch%20Syllabus%202020%2
Advance Building Construction I	210702	FOLDED PLATES	2017	02021CO%20MAPPING.docx.pdf
				https://web.mitsgwalior.in/images/Departments/archit
Project Management & Building		Students obtain the ability to appreciate the		ecture planning/co/B%20Arch%20Syllabus%202020%2
Economics	210703	three dimensional implications of design.	2017	02021CO%20MAPPING.docx.pdf
		Student can estimate the costing and		
		specification of small porjects and undersstands		
		about the successful		
Estimating and Costing &		implementation of the project to know about		https://web.mitsgwalior.in/images/Departments/archit
Specifications		the material required and cost to be incurred		ecture_planning/co/B%20Arch%20Syllabus%202020%2
	210704	before starting a new project.	2017	02021CO%20MAPPING.docx.pdf

				https://web.mitsgwalior.in/images/Departments/archit
		Students get the acquisition of knowledge, skills		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		and experience for operating under an expert in		EETING%20MAy%202020%201.pdf
Drafassianal Training	210901		2017	EETING%20WAy%202020%201.pdi
Professional Training	210901	a particular field or area of specialisation.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		This course helps students with the fundamental		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		aspects of structural theories including statics		EETING%20MAy%202020%201.pdf
		and structural systems, the strength of material,		
		structural mechanics and structural analysis, the		
Structural System in Architecture		various types of structural systems like a truss,		
(Elective V)	210751	space frame, plates, shell, tensile structure etc.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		This course help studetns to plan for our smart		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		cities in a more comprehensive way including		EETING%20MAy%202020%201.pdf
		urban demographic transitions, real estate		
		development, residential location choice, land		
		price fluctuations and transportation planning.		
Urban Landuse and transportation		Additionally, the course focuses on transport		
planning (Elective V)	210752	infrastructure and freight planning.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
Urban governance and		This course help students in working at the city		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Development Management (UGDM)		and regional level organizations like municipal		EETING%20MAy%202020%201.pdf
(Elective V)	210753	corporations, development authorities etc.	2017	
· ·		Present and past paradigms in planning as the		https://web.mitsgwalior.in/images/Departments/archit
		distinct perspective(s) from which problems and		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		solutions are being defined. 'object-centred', the		EETING%20MAy%202020%201.pdf
		'control-centred', and the 'decision-centred'		
Planning Principles & Theories	670111	paradigms.	2017	
		Anticipations of and response to future needs		https://web.mitsgwalior.in/images/Departments/archit
		for social, health and other human services with		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		spatial planning, physical and social features like		EETING%20MAy%202020%201.pdf
		topography, drainage, climate, population		
Socio-Economic Basis for Planning	670102	settlements etc.	2017	
8		Methods or processes followed by planners in		https://web.mitsgwalior.in/images/Departments/archit
		preparing or evaluating their plans, programs,		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Planning Techniques	670103	and policies.	2017	EETING%20MAy%202020%201.pdf
,		Defining future policies, goals, investments, and		https://web.mitsgwalior.in/images/Departments/archit
Infrastructure & Transportation		spatial planning designs to prepare for future		ecture planning/BOS/BOARD%200F%20STUDIES%20M
Planning	670104	needs to move.	2017	EETING%20MAy%202020%201.pdf
· J				

		fundamental concepts and theories of Housing		https://web.mitsgwalior.in/images/Departments/archit
		and apply them		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		in their design projects, various types of Housing		EETING%20MAy%202020%201.pdf
Housing	670115	and its components.	2017	<u>LETING/02010IAY/0202020/0201:pui</u>
Tiousing	070113	and its components.	2017	https://web.mitsgwalior.in/images/Departments/archit
		Film appreciation, literature review and area		ecture planning/BOS/BOARD%200F%20STUDIES%20M
Studio Course-I	670106	appreciation	2017	
Studio Course-i	670106	appreciation	2017	EETING%20MAy%202020%201.pdf
				https://web.mitsgwalior.in/images/Departments/archit
S. I. O. II	670407		2017	ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Studio Course-II	670107	Site Planning and prepare city development plan	2017	<u>EETING%20MAy%202020%201.pdf</u>
		Inclusive Planning, Stakeholders Profile and		https://web.mitsgwalior.in/images/Departments/archit
		Needs, Access to Shelter, Services and		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Elective-I (Inclusive Urban Planning)	670311	Livelihoods	2017	EETING%20MAy%202020%201.pdf
		Student will understand about creating		https://web.mitsgwalior.in/images/Departments/archit
		strategies to develop tourism in a specific		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Elective-I (Planning for Tourism)	670312	destination.	2017	EETING%20MAy%202020%201.pdf
		Energy Generation and Consumption, Energy		https://web.mitsgwalior.in/images/Departments/archit
Elective-II Environment,		Planning and Management, and Mitigation and		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Development and Disaster		Adaptation to Climate Change, Plans, Policies		EETING%20MAy%202020%201.pdf
Management,	670313	and Strategies & Policies.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		Standards and conventions of doing research		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		and gain preliminary background information		EETING%20MAy%202020%201.pdf
		that puts the research in contemporary context		
Elective-II Energy, Climate		and undertake research on past initiatives and		
changeand Urban Development	670314	future possibilities in the area.	2017	
		Identification of key issues related to the area of		https://web.mitsgwalior.in/images/Departments/archit
		planning & understanding of standards and		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Seminar	670303	conventions of doing research.	2017	EETING%20MAy%202020%201.pdf
Serimo.	0,0303	conventions of doing research.	2017	https://web.mitsgwalior.in/images/Departments/archit
		Standards and conventions of doing research		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		and gain preliminary background information		EETING%20MAy%202020%201.pdf
		that puts the research in contemporary context		EETIIVG/02UIVIAY702U2U2U702U1.pu1
		· · ·		
Des Bissestation	670204	and undertake research on past initiatives and	2017	
Pre-Dissertation	670304	future possibilities in the area.	2017	

		-		
Architectural Design II	210201	PROJECT 1(Prototype): SINGLE SPACE DESIGN,PROJECT 2(Prototype): SMALL SCALE MULTI-SPACE DESIGN Enlighten the student on the design project overview & the design process to be followed through relevant presentations. Present an analytical discourse on an identical architectural design project covering Architectural, elements, spaces & terms Noted projects & architects, Space planning etc.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
	,	, system and state, space promising even		and the state of t
		UNIT-1 LOW-COST CONSTRUCTION - Foundation and wallsin stabilized mud-rammed earth and compact earth blocksIntroduction toLow-cost construction techniques and materials with combinations of mud and terra – cotta.  UNIT-2 INTRODUCTION OF BASIC BUILDING COMPONENTS, UNIT-3 WALL, UNIT -4 INTRODUCTION TO OPENINGS UNIT-5 ROOFS - Simple configurations and		https://web.mitsgwalior.in/images/Departments/archit
		details of various forms of roofs: Flat, sloped,		ecture planning/co/B%20Arch%20Syllabus%202020%2
Building Construction I	201202	pyramids and dome.	2017	02021CO%20MAPPING.docx.pdf
building construction (	201202	UNIT-1 ELEMENTS AND PRINCIPLES OF PERSPECTIVE DRAWING - Principles of perspective drawings and understanding of all relevant terms like Picture Plane, Centre line of vision, Eye Level, Height Line, Vanishing Points, Cone of Vision, Station Point, Horizon line, Ground line etc. UNIT-2 TWO POINT PERSPECTIVE VIEW OF BUILDINGS - Construction of Two point perspective grid. UNIT-3 ONE POINT INTERIOR PERSPECTIVE - Construction of One point perspective grid, UNIT-4 SCIOGRAPHY, UNIT-5 MEASURED DRAWING- To measure and draw the Ground Floor Plan along with plot boundaries, four side elevations, two sections, block plan, site plan of existing single storied	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Comphise	240202		2017	
Graphics - II	210203	building	2017	02021CO%20MAPPING.docx.pdf

		Students obtain the ability of model making,		https://web.mitsgwalior.in/images/Departments/archit
1		basics of rendering, presentation skills using		ecture planning/co/B%20Arch%20Syllabus%202020%2
Workshop - II	210204	various materials.	2017	02021CO%20MAPPING.docx.pdf
		PROJECT 1(Prototype): VILLAGE SURVEY &		
		RURAL HOUSING , PROJECT 2(Prototype):		
		DESIGN OF COMMUNITY FACILITIES - Community		
1		facilities –Design of Community hall, Nursing		
1		home, Youth hostel, Old age home etc.,		
1		encourage the student to explore concepts an		
1		agglomeration of simple spaces with particular		https://web.mitsgwalior.in/images/Departments/archit
1		emphasis on the special needs of elderly,		ecture planning/co/B%20Arch%20Syllabus%202020%2
Architectural Design IV	210401	handicapped etc.	2017	02021CO%20MAPPING.docx.pdf
		UNIT-1 BUILDING MATERIALS, UNIT -2 RCC		
1		FOUNDATION - Introduction to RCC framed		
1		structures, concrete foundation: Types of footing		
1		<ul> <li>Isolated, combined, continuous, strip raft &amp;</li> </ul>		
1		piles , UNIT-3 BEAMS AND SLABS, UNIT-4		
1		RETAINING WALL, EXPANSION		
1		JOINTS, AND WATERPROOFING -		
1		Waterproofing basement, construction of pools,		
1		fireplaces, and fuels. Fire safety construction		https://web.mitsgwalior.in/images/Departments/archit
1		techniques, UNIT-5 CLADDING SYSTEMS &		ecture planning/co/B%20Arch%20Syllabus%202020%2
Building Construction III	210402	FINISHES	2017	02021CO%20MAPPING.docx.pdf
		UNIT-1 WATER SUPPLY - Sources of water supply		
		– Water Quality - Water requirements for		
1		different types of buildings and for town, simple		
		method of removal of impurities, Rainwater		
		harvesting to include roof top harvesting, type of		
		spouts, sizes of rainwater pipes and typical detail		
1		of a water harvesting pit, UNIT-2 DRAINAGE AND		
		SEWAGE DISPOSAL, UNIT-3 SOLID WASTE		
		DISPOSAL, UNIT-4 EMERGING PROCESSING		
		TECHNOLOGIES, UNIT-5 PLUMBING AND FIRE		
1	I			
l ·		FIGHTING LAYOUT OF SIMPLE BUIDINGS -		
		Designing of toilet blocks in residential and		
				https://web.mitsgwalior.in/images/Departments/archit
		Designing of toilet blocks in residential and		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2

		UNIT- 1 PROPERTIES OF STEEL SECTIONS & TYPES OF CONNECTIONS - Design of welded and bolted connections for members subjected to axial forces. Site visit to a steel fabrication unit. UNIT-2 TENSION AND COMPRESSION MEMBERS, UNIT -3 STEEL BEAMS, UNIT-4 STEEL TRUSSES & GIRDERS - Study of the various types of roof trusses, UNIT-5 INTRODUCTION TO LONG SPAN STEEL STRUCTURAL SYSTEMS- Space frame structural system in tubular steel – various types of connectors – single / double & triple grid		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Structure IV	210405	space frames	2017	<u>02021CO%20MAPPING.docx.pdf</u>
		PROJECT I: DESIGN FOR HOSPITALITY INDUSTRY - The project requires the understanding of the special nature and functioning of the hotel industry and to respond with suitable concepts of space planning, circulation, interior design, materials and lighting. PROJECT II: URBAN INFRASTRUCTURE PROJECTS - Contemporary transportation terminals and stadiums are large buildings with multiple entries & exits dealing with large crowds and having multiple levels with large spans, complex services & demanding		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Architectural Design VI	210601	environmental conditions.	2017	<u>02021CO%20MAPPING.docx.pdf</u>
		UNIT-1 INTRODUCTION TO THE STUDY OF ACOUSTICS & SOUND TRANSMISSION, ABSORPTION, INSULATION UNIT-2 NOISE CONTROL AND SOUND REINFORCEMENT & ACOUSTICS IN BUILDING DESIGN AND CONSTRUCTION UNIT-3 FIRE FIGHTING SERVICES, UNIT-4 FIRE FIGHTING SYSTEMS & BUILDING NORMS. UNIT-5 FIRE FIGHTING LAYOUT OF BUILDINGS & DESIGN		https://web.mitsgwalior.in/images/Departments/archit
Building Services III (Acoustic & Fire		AND DETAILING FOR ACOUSTICS OF		ecture planning/co/B%20Arch%20Syllabus%202020%2
Fighting)	210602	MULTIPURPOSE HALLS.	2017	<u>02021CO%20MAPPING.docx.pdf</u>

		UNIT-1 INTRODUCTION& ELEMENTS OF		
		LANDSCAPE ARCHITECTURE AND LANDSCAPE		
		DESIGN		
		UNIT-2 HISTORY OF LANDSCAPE ARCHITECTURE		
		& URBAN LANDSCAPE		
		UNIT-3 INTRODUCTION TO SITE ANALYSIS & SITE		
		INFLUENCING FACTORS		
		UNIT-4DESIGN OF LANDFORMS IN A SITE & SITE		
		PLANNING PRINCIPLES AND TECHNIQUES		https://web.mitsgwalior.in/images/Departments/archit
Site Planning and Landscaping		UNIT-5 SITE CHARACTERISTICS AND DESIGN		ecture planning/co/B%20Arch%20Syllabus%202020%2
Architecture	210608	REQUIREMENTS& LANDSCAPE EXERCISE.	2017	02021CO%20MAPPING.docx.pdf
		UNIT- 1 BUILDING DRAWING		
		Centre line plan, Foundation plan, Structural grid		
		plan (in case of framed structures), Basement		
		floor plan, Ground floor plan, Typical floor plan,		
		All elevations, All sections: one at least through		
		staircase and one through toilet, Terrace floor		
		plan giving details of surface drawing etc, UNIT-		
		2 SERVICES, UNIT- 3 SPECIFICATION, UNIT- 4		
		MATERIALS- Glass Plywood and laminates		
		Hardware Electrical wires and accessories Water		https://web.mitsgwalior.in/images/Departments/archit
		supply and plumbing: fittings and fixtures		ecture planning/co/B%20Arch%20Syllabus%202020%2
Working Drawing	210604	flooring and cladding.	2017	02021CO%20MAPPING.docx.pdf
		Student understands the construction, changing		https://web.mitsgwalior.in/images/Departments/archit
Elective -IV (SWAYAM)		trends and lifestyles innovations and design		ecture planning/BOS/BOS%20Nov.%202020.pdf
(SUSTAINABLE ARCHITECTURE)	210651	ideas.	2019	
		Energy Generation and Consumption, Energy		https://web.mitsgwalior.in/images/Departments/archit
		Planning and Management, and Mitigation and		ecture_planning/BOS/BOS%20Nov.%202020.pdf
		Adaptation to Climate Change, Plans, Policies		
Elective-IV (GIS) (SWAYAM)	210654	and Strategies & Policies.	2019	
		Student gains the knowledge of fundamental		
		concepts and theories of Housing and apply		
		them		https://web.mitsgwalior.in/images/Departments/archit
		in their design projects, various types of Housing		ecture planning/co/B%20Arch%20Syllabus%202020%2
Elective-III (Housing)	210611	and its components.	2017	02021CO%20MAPPING.docx.pdf

Elective-III(Architectural Journalism)	210614	Enhances the various techniques of Architectural Journalism, changing scenario in the context of globalization, Architectural Journalism in practical.	2017	https://web.mitsgwalior.in/images/Departments/archit ecture_planning/co/B%20Arch%20Syllabus%202020%2 02021CO%20MAPPING.docx.pdf
		PROJECT I: HOUSING - The various types of housing projects in a typical urban scenario can be taken with suitable design parameters that get established after conducting a rigorous study.  PROJECT II: URBAN DESIGN OR CONSERVATION - Urban design projects could deal with redevelopment of problem areas such as riverfronts, beach fronts, market areas, bazaars or commercial & residential districts that have		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Architectural Design VIII	210801	reached dead end situation.	2017	02021CO%20MAPPING.docx.pdf
		UNIT- 1 INTRODUCTION - Emergence of urban design as a discipline, need for urban design, Elements of urban design(buildings, streets, public spaces, transports, other elements etc. Principles of urban design- creating form and spatial definition in articulation of urban design expression.  UNIT- 2 STUDY AND ANALYSIS OF URBAN SPACES IN HISTORY AND MODERN CONCEPTS  UNIT- 3 BASIC PRINCIPLES & TECHNIQUES IN URBAN DESIGN, UNIT- 4 RENEWAL, REDEVELOPEMENT AND FORMULATING URBAN DESIGN, UNIT- 5 URBAN DESIGN SURVEY AND PRESENTATION - Conducting an urban design survey of Conservation of historic cities, openspaces, development of market spaces, transit oriented developments, water front		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Urban Design	210802	development in India.	2017	02021CO%20MAPPING.docx.pdf

		UNIT- 1 THE PROFESSIONAL ROLE OF AN ARCHITECT & SERVICES RENDERED, UNIT- 2 ARCHITECTURAL COMPETITIONS & LEGISLATIONS- Regulations governing the conduct of competitions, Types of competition (open & closed competitions), appointment & duties of Assessors, instructions to participants, award of premium, UNIT- 3 EASEMENTS& ARBITRATION- Easement Rights —Definition, characteristics of an easement, Natural Rights ,Various easement rights- Easement of support, Easement of light and air, Easement of right of way, Easement of eave projection, etc , UNIT- 4 TENDER & CONTRACT, UNIT- 5 VALUATION&		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
Professional Practice and Ethics	210803	RENT.	2017	02021CO%20MAPPING.docx.pdf
Elective VI _Furniture Design)		Students obtain knowledge of the creation and evolution of objects, structures and systems at human scale that aim to improve the quality of life in the immediate living and working environment, while looking at sustainable and innovative use of diverse materials and		https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%2
(ELECTIVE VI)	210811	processes.	2017	02021CO%20MAPPING.docx.pdf
Elective VI Advanced Strucrure Design (ELECTIVE VI)	210813	The objective of the subject is to introduce the students about the fundamentals of stability of Modern structures in R. C. C. and various factors of R.C. C. structure designing.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/co/B%20Arch%20Syllabus%202020%202021CO%20MAPPING.docx.pdf
Elective VI City & Metropolitan Planning (ELECTIVE VI)	210812	UNIT-1 URBAN GROWTH AND SYSTEM OF CITIES,UNIT-2 COMMUNITY AND SETTLEMENTS, UNIT-3 METRO AND MEGA CITIES: PROBLEMS AND ISSUES,UNIT-4 HUMAN SETTLEMENT PLANNING, URBAN DEVELOPMENT POLICIES AND PROGRAMMES,UNIT-5 LAND AND REAL ESTATE DEVELOPMENT,UNIT-6 INFORMATION SYSTEM AND URBAN REFORMS	2017	https://web.mitsgwalior.in/images/Departments/archit ecture_planning/co/B%20Arch%20Syllabus%202020%2 02021CO%20MAPPING.docx.pdf
Training	AR1001	Students get the acquisition of knowledge, skills and experience for operating under an expert in a particular field or area of specialisation.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20Nov.%202020.pdf

				https://web.mitsgwalior.in/images/Departments/archit
		Planning, finance and manage urban areas.		ecture planning/BOS/BOS%20Nov.%202020.pdf
		Structures supported by effective land markets,		Charles Charle
		appropriate regulation, good public services,		
		adequate public finance and transparent and		
City & Metropolitan pLanning	670211	accountable city level political systems.	2017	
		Urban conservation in planning, its techniques		https://web.mitsgwalior.in/images/Departments/archit
Urban Heritage Conservation	670202	and Policies and Programmes, Legislations	2017	ecture_planning/BOS/BOS%20Nov.%202020.pdf
		Finance at different stages, investment planning		https://web.mitsgwalior.in/images/Departments/archit
		and financing mechanism, project formulation		ecture_planning/BOS/BOS%20Nov.%202020.pdf
		and appraisal, project management and		
Urban Development Finance &		implementation, and project evaluation and		
Project Planning	670203	monitoring	2017	
		Planning legislation & concepts, urban policy, its		https://web.mitsgwalior.in/images/Departments/archit
		nature and process of making urban policy,		ecture_planning/BOS/BOS%20Nov.%202020.pdf
Legal Issues & Professional	670204	Professional Practice in planning	2017	
		Basic principles & methods of Research,		https://web.mitsgwalior.in/images/Departments/archit
		specifically in Design at Urban scale, and towards		ecture_planning/BOS/BOS%20Nov.%202020.pdf
		helping them conducting their own		
		authentic & independent research. Research		
		basics, defining research problem, Research		
		Design, Developing a Research Plan, Plagiarism,		
Research Methodology	670205	IPR, etc.	2017	
		Dynamics of various components of the city and		https://web.mitsgwalior.in/images/Departments/archit
		level interventions with multi-dimensional,		ecture_planning/BOS/BOS%20Nov.%202020.pdf
Studio-I	670206	dynamic and futuristic spaces.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		Remote Sensing – Aerial and Satellite;		ecture_planning/BOS/BOS%20Nov.%202020.pdf
		introduction to GIS, Spatial data and Attribute		
		data; Satellite images as input to GIS; Collection		
Studio-II	670207	and presentation of baseline information.	2017	
		Students obtain understanding of standards and		https://web.mitsgwalior.in/images/Departments/archit
		conventions of doing dissertation and gain		ecture_planning/BOS/BOS%20Nov.%202020.pdf
		preliminary background information that puts		
		the research in context and to clarify the focus of		
Thesis Project	670401	the study.	2017	

	250101	According to introduction to computing are some	2020	https://web.mitsgwalior.in/images/NAAC/1/1.1.3%20M
Introduction to Computing		skills as High speed, Accuracy, Storage, Automation, Diligence, Versatility and Cost effectiveness		AC.pdf
	250102	This subject provides the basic knowledge of programming	2020	https://web.mitsgwalior.in/images/NAAC/1/1.1.3%20M
Introduction to Computer Programming		skills using C language, which is the basic need of industry.  Students are taught to develop basic to middle level		AC.pdf
introduction to computer Programming		programming exercise to enable them for developing higher- level applications.		
Statistical Techniques	250103	Data Science, Weather Forecasting, Insurance, Engineering and Technology	2020	https://web.mitsgwalior.in/images/NAAC/1/1.1.3%20M AC.pdf
	250104	computations involving area, volume, arc length,	2020	https://web.mitsgwalior.in/images/NAAC/1/1.1.3%20M
	230104	center of mass, work, and pressure. More advanced	2020	AC.pdf
Element of Calculus		applications include power series and Fourier series.		
Element of Calculus		Calculus is also used to gain a more precise		
		understanding of the nature of space, time, and motion.		
	250105	word processing, desktop publishing and	2020	https://web.mitsgwalior.in/images/NAAC/1/1.1.3%20M
		presentations, computer use in classrooms,		<u>AC.pdf</u>
Computing Lab (SPSS)		telecommunications and distance learning, computer		
		hardware and software, networking and multimedia presentations		
Computer Organization and Logic	250201	Digital logic design is use as circuit boards and	2020	https://web.mitsgwalior.in/images/NAAC/1/1.1.3%20M
Design		microchip processors		AC.pdf
	250202	In real life are used to calculate the movement or flow	2020	https://web.mitsgwalior.in/images/NAAC/1/1.1.3%20M
Differential Equations		of electricity, motion of an object to and fro like a		AC.pdf
244440000		pendulum, to explain thermodynamics concepts		
	250203	This subject enhances the programming skill of the students by enabling them to use the concepts of object-oriented	2020	https://web.mitsgwalior.in/images/NAAC/1/1.1.3%20M
Object Oriented Methodology and Programming with C++		programming. Students are taught to use Classes, Inheritance, and Polymorphic Behaviour by developing middle level projects.		AC.pdf
	250204	Data Science, natural sciences, computer science,	2020	https://web.mitsgwalior.in/images/NAAC/1/1.1.3%20M
Linear Algebra		computer animation, testing software code in software engineering.		AC.pdf
			2020	https://web.mitsgwalior.in/images/Departments/electri
Engineering Graphics	100014	Convey the detail graphical design information of the objects		cal_engineering/BoS/7.%20BoS%2028.11.2020.pdf
			2020	https://web.mitsgwalior.in/images/Departments/electri
		Develop learning in technical, project		cal_engineering/BoS/7.%20BoS%2028.11.2020.pdf
Mini Project	130111	management and presentation spheres.		

		Knowledge of Electromagnetic fields to		https://web.mitsgwalior.in/images/Departments/electri
		understand working principle of various power		cal engineering/BoS/6.%20BoS%2028.05.2020.pdf
Electromagnetic Field Theory	130301	apparatus & machine	2017	
		Knowledge of measurement technique for		https://web.mitsgwalior.in/images/Departments/electri
		electrical/electronic parameters , accuracy and		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Measurement & Instrumentation	130302	need of calibration	2017	
		capable of analyzing any given electric/		https://web.mitsgwalior.in/images/Departments/electri
		electroncis networks, concepts of transients and		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Network Analysis	130303	unbalanced three phase supply	2017	
		Understand the principle, operation and		https://web.mitsgwalior.in/images/Departments/electri
		applications of diode, BJT, FET, amplifier etc to		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Analog Electronics	130304	develop electronic circuit	2017	
				https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Software Lab - I	130305	MATLAB programing/ Simulink	2017	
		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Self Learning/Presentation	130306	andself learning	2017	
				https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Summer Internship Project -I	130307	Learn and sharpen in-demand technical skills	2017	
		Understanding fundamental characteristics of		https://web.mitsgwalior.in/images/Departments/electri
		Signals & Systems in both time & transform		cal engineering/BoS/6.%20BoS%2028.05.2020.pdf
		domain. Also to develop mathematical skills to		
		solve problems involving convolution, filtering,		
Signals & Systems	130501	modulation and sampling.	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Explore the ways and means to perform power		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
		system analysis in normal operation and under		
Power System-II	130502	symmetrical and unsymmetrical faults	2017	
		Develop basic concepts of ac machine, their		https://web.mitsgwalior.in/images/Departments/electri
		construtional details, working principle and		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Electrical Machines-II	130503	characteristic based applications	2017	
		Understand the concepts, basic operation,		https://web.mitsgwalior.in/images/Departments/electri
		steady state operation of efficient switched-		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
		mode power conversion techniques, including		
Power Electronics	130504	basic circuit operation	2017	

				https://web.mitsgwalior.in/images/Departments/electri
		Develop learning in technical, project		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Minor Project-I	130505	management and presentation spheres.	2017	
				https://web.mitsgwalior.in/images/Departments/electri
				cal engineering/BoS/6.%20BoS%2028.05.2020.pdf
Summer Internship Project -II	130506	Learn and sharpen in-demand technical skills	2017	
		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Self Learning	130507	andself learning	2017	
		Overview of complete electric drive system	2020	https://web.mitsgwalior.in/images/Departments/electri
		including the mechanical part, electric machine,		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Electrical Drives	130711	power converters & control		
			2020	https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Renewable Energy Systems	130712	Renewable energy generation		
		Understand the concepts of flexible and efficient	2020	https://web.mitsgwalior.in/images/Departments/electri
		electric grid by enabling the integration of		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
		growing deployments of distributed energy		
		resources such as renewables like solar, wind		
IoT in Microgrid	130713	etc.		
			2020	https://web.mitsgwalior.in/images/Departments/electri
Intelligent Sensors and		Advance control system application to		cal engineering/BoS/6.%20BoS%2028.05.2020.pdf
Instrumentation	130714	instrumention		
		Understand the role of control engineer in multi	2020	https://web.mitsgwalior.in/images/Departments/electri
		disciplinary teams through modelling and		cal engineering/BoS/6.%20BoS%2028.05.2020.pdf
		analysis of physical system, implications of		
Control Systems Lab	130701	system stability		
		Learn and sharpen in-demand technical skills	2020	https://web.mitsgwalior.in/images/Departments/electri
				cal engineering/BoS/6.%20BoS%2028.05.2020.pdf
Summer Internship Project -III	130702			
		Acquaint with the conceptual as well as practical	2020	https://web.mitsgwalior.in/images/Departments/electri
		knowledge of the PLC programming		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Creative Problem Solving lab	130703			
			2020	https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Introduction to Smart Grid	130751	Power System genrations and intrgations		

		Emphasizes learning and understanding the	2020	https://web.mitsgwalior.in/images/Departments/electri
		newer design criteria required for the UHV		cal engineering/BoS/6.%20BoS%2028.05.2020.pdf
Advances in UHV Transmission &		transmission systems viz: insulation design,		
Distribution	130752	protections, safety concerns etc		
			2020	https://web.mitsgwalior.in/images/Departments/electri
Electrical Distribution System		Application of computer system in electrical		cal engineering/BoS/6.%20BoS%2028.05.2020.pdf
Analysis	130753	engineering		
		Understand and apply FEM effectively for	2020	https://web.mitsgwalior.in/images/Departments/electri
Electrical Equipment and Machines:		analysis of devices		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
Finite Element Analysis	130754			
		Build the concepts of various types of electrical	2020	https://web.mitsgwalior.in/images/Departments/electri
Applications of Electrical Equipment		machines and applications of electrical machines		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
& Motors	900205			
		Provide anoverview of microgrid and its	2020	https://web.mitsgwalior.in/images/Departments/electri
		potential in different types of power sectors		cal_engineering/BoS/6.%20BoS%2028.05.2020.pdf
		such as power generation, transmission and		
IoT in Microgrid	900216	distribution		
		Building of engineering knowledge used for the	2020	https://web.mitsgwalior.in/images/Departments/electri
		design, development, and test of Electric vehicle		cal engineering/BoS/6.%20BoS%2028.05.2020.pdf
Electric Vehicle	900217	systems		
		Knowledge of different type of material and	2020	https://web.mitsgwalior.in/images/Departments/electri
		their use in engineering application		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Engineering Materials	130211			
		Provides a platform for all kind of practical jobs	2020	https://web.mitsgwalior.in/images/Departments/electri
		like domestic wiring, fittings, drilling job,		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
		switchboard assembly, coil winding, repair and		
		maintainence work of various electrical		
Electrical Workshop	130212	appliances.		
				https://web.mitsgwalior.in/images/Departments/electri
		Basic idea about microprocessor & its		cal_engineering/BoS/7.%20BoS%2028.11.2020.pdf
Digital Electronics & Microprocessor	130401	programming, munber system & codes	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Develop basic concepts of dc machine and		cal_engineering/BoS/7.%20BoS%2028.11.2020.pdf
		transformer, their construtional details, working		
Electrical Machines-I	130402	principle and characteristic based applications	2017	
		Understand the role of control engineer in multi		https://web.mitsgwalior.in/images/Departments/electri
		disciplinary teams through modelling and		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
		analysis of physical system, implications of		
Control System	130403	system stability	2017	

		Understand various types transmission &		https://web.mitsgwalior.in/images/Departments/electri
		distribution system, economic aspects of power		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
		generation, analyse the performance of		
		transmission lines, distribution systems,		
Power System-I	130404	insulators and cables.	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Simulation of electrical systems using		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Software Lab - II	130405	MATLAB/Simlink	2017	
		Explore to keep the power system stable by		https://web.mitsgwalior.in/images/Departments/electri
		isolating only the components that are under		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
		fault, whilst leaving as much of the network as		
Switchgear & Protection	130601	possible in operation.	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Provide thorough understanding of the electrical		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
		properties and characteristics of various		
Electrical Engineering Materials	130602	materials, used in the electrical appliances	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Develop learning in technical, project		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Minor Project-II	130603	management and presentation spheres.	2017	
		Basic concepts of load flow studies, voltage		https://web.mitsgwalior.in/images/Departments/electri
Computer Aided Power System		stabilty and its enhencement, AI applications in		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Analysis	130611	power system	2017	
		Understand automation technologies and		https://web.mitsgwalior.in/images/Departments/electri
		identify advantages, limitations and applications		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Industrial Automation	130612	of thesame.	2017	
		Understand the constructions and working		https://web.mitsgwalior.in/images/Departments/electri
		principle of different types of sensors and		cal_engineering/BoS/7.%20BoS%2028.11.2020.pdf
		transducers, instrument tranformer, magnetic		
Transducers & Sensors	130613	measuremet, HV measurement etc	2017	
		Develop a comprehensive technological		https://web.mitsgwalior.in/images/Departments/electri
Solar PV System: Design and		understanding in solar PV system components,		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Economics	130614	design & economics	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Understand the need of harnessing alternate		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Non Conventional Energy Resources	130655	energy resources, its chalanges and applications	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Renewable Energy Engineering: Solar, Wind and		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
DC Power Transmission Systems	130656	Biomass Energy Systems	2017	

		Various terminology, rules & regulations, policy		https://web.mitsgwalior.in/images/Departments/electri
Energy Conservation &		of enegy audit, energy tarriff, economics &		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Management	900103	analysis, enegy conservations	2017	
		Learn about the generation & recording of		https://web.mitsgwalior.in/images/Departments/electri
		bioelectrical signals, working with medical		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Biomedical Instrumentation	900115	instruments used in the biomedical field	2017	
		Learn about Basics of IoT, Components of IoT		https://web.mitsgwalior.in/images/Departments/electri
		including Sensors and actuators, computing and		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Introduction to Internet of Things	130851	communication system	2017	
		Deals with the production of energy from		https://web.mitsgwalior.in/images/Departments/electri
		different types of wastes through thermal,		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Waste to Energy Conversion	900605	biological and chemical routes.	2017	
		Deals with the production of energy from		https://web.mitsgwalior.in/images/Departments/electri
		different types of wastes through thermal,		cal_engineering/BoS/7.%20BoS%2028.11.2020.pdf
Waste to Energy Conversion	130852	biological and chemical routes.	2017	
Renewable Energy Engineering:				https://web.mitsgwalior.in/images/Departments/electri
Solar, Wind and Biomass Energy		Lean latest Trends in Electrical power Generation		cal_engineering/BoS/7.%20BoS%2028.11.2020.pdf
Systems	900607	using Renewable Energy Sources	2017	
Renewable Energy Engineering:				https://web.mitsgwalior.in/images/Departments/electri
Solar, Wind and Biomass Energy		Lean latest Trends in Electrical power Generation		cal_engineering/BoS/7.%20BoS%2028.11.2020.pdf
Systems	130853	using Renewable Energy Sources	2017	
		Provide the various fundamental concepts of		https://web.mitsgwalior.in/images/Departments/electri
		fuzzy logic and artificial neural network to get		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
		sufficient knowledge to analyze and design the		
Fuzzy Logic and Neural Networks	900302	various intelligent control systems	2017	
				https://web.mitsgwalior.in/images/Departments/electri
		Understand the need of harnessing alternate		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
Non Conventional Energy Resources	900608	energy resources, its chalanges and applications	2017	
		Get opportunity to enhance the skills, obtain		https://web.mitsgwalior.in/images/Departments/electri
		the perspective of a work environment and		cal engineering/BoS/7.%20BoS%2028.11.2020.pdf
		benefit from a mentor or supervisor's experience		
Internship/Project	130801	and advice.	2017	
		Taking steps to learn relevant skills, expand your		https://web.mitsgwalior.in/images/Departments/electri
		professional network and competency		cal_engineering/BoS/7.%20BoS%2028.11.2020.pdf
Professional Development	130802	development	2017	
		Hand on practice of different drawing		https://web.mitsgwalior.in/images/Departments/mech
				anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Engineering Graphics Lab	100018		2010	

		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
		structures and imperfections present in them		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Material Science	190211		2010	
		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
		structures and imperfections present in them		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Material Science	120211		2010	
				https://web.mitsgwalior.in/images/Departments/mech
		basics of tools and equipments used in fitting,		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Manufacturing Practices	100024	carpentry, sheet metal, welding and smithy	2010	
		Demonstrate Engines and Boiler fundamentals		https://web.mitsgwalior.in/images/Departments/mech
	120026	using models		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Basic Mechanical Engineering Lab			2010	
		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
Material Science	120301	structures and imperfections present in them		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
			2010	
		Calculate stresses and deformations of objects		https://web.mitsgwalior.in/images/Departments/mech
Mechanics of Materials	120302	under external loadings	2015	anical_engineering/NAAC/1.2.1_new/2020-21.pdf
			2015	
	420202	Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –I	120303	which include engines, linkages etc	2015	anical_engineering/NAAC/1.2.1_new/2020-21.pdf
		Leaved adverse filled the consequence and high section	2015	harman // mahamitan mahini // mahamitan // m
Fluid Mechanics and Hydraulic	120204	knowledge of fluid, its properties and behavior		https://web.mitsgwalior.in/images/Departments/mech
Machines	120304	under various conditions of internal and external flows.	2010	anical engineering/NAAC/1.2.1 new/2020-21.pdf
		ability to make familiar with 2D, 3D modelling	2010	https://web.mitsgwalior.in/images/Departments/mech
Software Lab	120305	and simulation software		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Software Lab	120303	and simulation software	2017	anical engineering/NAAC/1.2.1 New/2020-21.pui
		Skill development of self learning through	2017	https://web.mitsgwalior.in/images/Departments/mech
Self-learning/Presentation	120306	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2020-21.pdf
(SWAYAM/NPTEL/MOOC)	120300	presentation and group discussion	2017	difficult engineering/14/4/6/1.2.1 Hew/2020 21.041
		Hands on sessions for skill development	2020	https://web.mitsgwalior.in/images/Departments/mech
Summer Internship Project-I	120307	The state of the s	2020	anical engineering/NAAC/1.2.1 new/2020-21.pdf
(Institute Level) (Evaluation)				<u></u>
		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –II	120401	which include engines, linkages etc		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		identify, formulate and solve design engineering		https://web.mitsgwalior.in/images/Departments/mech
Design of Machine Elements	120402	problems		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	

		manage manufacturing processes and systems		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Process	120403	for the best use of material and human		anical engineering/NAAC/1.2.1 new/2020-21.pdf
_		resources	2010	
		Represent a thermodynamic system by a control		https://web.mitsgwalior.in/images/Departments/mech
Engine a ving The vine of manning	120404	mass or control volume and identify work and/or		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Engineering Thermodynamics	120404	heat interactions between the system and		
		surroundings	2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
	120405	processes and machine tools		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Production Lab			2010	
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	120501	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		develop fundamental knowledge on tool		https://web.mitsgwalior.in/images/Departments/mech
Metal Cutting and Machine Tools	120502	materials, cutting fluids and tool wear		anical engineering/NAAC/1.2.1 new/2020-21.pdf
_		mechanisms	2015	
		comprehensive of physical science and its		https://web.mitsgwalior.in/images/Departments/mech
Heat And Mass Transfer	120503	fundamentals applicable to the engineering		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		discipline	2010	
		Study of various cycles and their applications		https://web.mitsgwalior.in/images/Departments/mech
Thermal Engineering	120504			anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2010	
		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
Machine Design	120505	design engineering tools necessary for		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		engineering practice	2010	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Minor Project-I	120506	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2010	
Cumpage Internation Drainet II		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
Summer Internship Project-II	120507			anical engineering/NAAC/1.2.1 new/2020-21.pdf
(Evaluation)				
Solf loarning/Procentation		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self-learning/Presentation	120508	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2020-21.pdf
(SWAYAM/NPTEL/ MOOC)			2017	
		Application of computers in various aspects		https://web.mitsgwalior.in/images/Departments/mech
	120001	manufacturing to reduce manual processing and		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
	120601	linking computers to all the manufacturing		
Advance Production Technology		machines	2015	

		Real-world mechanical vibration problems		https://web.mitsgwalior.in/images/Departments/mech
Vibration and Noise Engineering	120611			anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		Concepts of reliability, life testing and costing of		https://web.mitsgwalior.in/images/Departments/mech
Statistical Quality Control	120612	product		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2010	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
Work Study and Ergonomics	120613	the productivity of an organization.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		velocity triangles, thermodynamic plots and		https://web.mitsgwalior.in/images/Departments/mech
Turbo Machinery	120614	losses in turbo machinery		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2010	
Fundamental of Welding Science		Welding behavior of materials	2019	https://web.mitsgwalior.in/images/Departments/mech
and Technology	120652			anical_engineering/NAAC/1.2.1_new/2020-21.pdf
and reciniology				
		In-depth understanding of concepts in		https://web.mitsgwalior.in/images/Departments/mech
Viscous Fluid Flow	120654	viscous fluid flow.		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
			2020	
Properties of Materials (Nature		Materials and its behavior for different		https://web.mitsgwalior.in/images/Departments/mech
and Properties of Material: III)	120655	applications		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
and Properties of Material. III)			2019	
		Robot anatomy and its application		https://web.mitsgwalior.in/images/Departments/mech
Robotics	900101			anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2019	
		Product requirement and its different	2019	https://web.mitsgwalior.in/images/Departments/mech
Product Design	900102	aspects		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
	120605	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Minor Project-II			2010	
		To check performance of different bearings,	2020	https://web.mitsgwalior.in/images/Departments/mech
Reliability and Vibration Lab	120701	analysis of behavior and their relation at		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		different vibration conditions.		
		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
Summer Internship Project-III	190702			anical engineering/NAAC/1.2.1 new/2020-21.pdf
		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
Summer Internship Project-III	120702			anical engineering/NAAC/1.2.1 new/2020-21.pdf

Creative Problem Solving (Evaluation)	120703	Optimization of machine, mechanical process for society/industries		https://web.mitsgwalior.in/images/Departments/mechanical engineering/NAAC/1.2.1 new/2020-21.pdf
(Lvaluation)			2020	
Refrigeration and Air-		Principles and different methods of refrigeration		https://web.mitsgwalior.in/images/Departments/mech
Conditioning	120711	and air conditioning		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Conditioning			2010	
		The concepts of Mathematical Modelling of		https://web.mitsgwalior.in/images/Departments/mech
Basic of Finite Element Analysis	120712	Engineering Problems		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2020	
		Types of errors, design of limit gauges and		https://web.mitsgwalior.in/images/Departments/mech
Metrology, Measurement and	120713	various comparative measurements		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Control			2015	
		The philosophy and core values of Total Quality		https://web.mitsgwalior.in/images/Departments/mech
Total Quality Management	120714	Management		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
			2015	
Foundation of Computational		In-depth understanding of concepts in	2020	https://web.mitsgwalior.in/images/Departments/mech
· ·	120751	viscous fluid flow.		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Fluid Dynamics				
		Develop the concepts of various composites	2020	https://web.mitsgwalior.in/images/Departments/mech
Introduction to Composites	120752	materials used in industry		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
		Aims at bringing the students up-to-date	2020	https://web.mitsgwalior.in/images/Departments/mech
Advanced Machining Processes	120753	with the latest technological		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		Skill to reduce the occurrence of unsafe	2020	https://web.mitsgwalior.in/images/Departments/mech
Industrial Safety Engineering	120754	operation in industry		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		Different machine control systems	2020	https://web.mitsgwalior.in/images/Departments/mech
Industrial Automation	900203	birerene macinic control systems	2020	anical engineering/NAAC/1.2.1 new/2020-21.pdf
industrial Automation	300203			anical engineering/NAAC/1.2.1 New/2020-21.pur
		Application of solar systems for betterment of	2020	https://web.mitsgwalior.in/images/Departments/mech
Solar Energy	900204	society.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
				, , , , , , , , , , , , , , , , , , ,
Engine ening Metarials for		Different materials and their behavior for	2020	https://web.mitsgwalior.in/images/Departments/mech
Engineering Materials for	900214	different application.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Industrial Applications				
		The Maintenance strategies and overall	2020	https://web.mitsgwalior.in/images/Departments/mech
Maintenance Engineering	900215	configuration and Maintenance of Machines,		anical engineering/NAAC/1.2.1 new/2020-21.pdf
l		structure and System.		

		Apply Engineering knowledge for	2020	https://web.mitsgwalior.in/images/Departments/mech
	190801	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Internship/Project				
		Apply Engineering knowledge for	2020	https://web.mitsgwalior.in/images/Departments/mech
	120801	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Internship/Project				
		To motivate strudents to participate in different	2020	https://web.mitsgwalior.in/images/Departments/mech
	190802	institute/national activities.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Professional Development				
		To motivate strudents to participate in different	2020	https://web.mitsgwalior.in/images/Departments/mech
	120802	institute/national activities.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Professional Development				
		Statistical methods used in industries	2020	https://web.mitsgwalior.in/images/Departments/mech
	120851			anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Quality Design and Control				
Robotics: Basics and Selected	420052	Key elements and constituents of a robot	2020	https://web.mitsgwalior.in/images/Departments/mech
	120852			anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Advanced Concepts			2020	later of the section
	120853	Develop understanding of the steam and gas	2020	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2020-21.pdf
Steam and Gas Power Systems	120055	power systems		anical_engineering/NAAC/1.2.1_new/2020-21.pdi
Steam and das rower systems		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
	190301	structures and imperfections present in them		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Material Science	190301	structures and imperfections present in them	2010	anical engineering/NAAC/1.2.1 new/2020-21.put
Waterial Science		Calculate stresses and deformations of objects	2010	https://web.mitsgwalior.in/images/Departments/mech
Mechanics of Materials	190302	under external loadings		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Wicelianies of Waterials	130302	ander external loadings	2015	amour engineering/10/10/0/21212 HeW/2020 221901
		Study of different concepts of IC engine, body		https://web.mitsgwalior.in/images/Departments/mech
Automotive Engines	190303	and chessis details.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		knowledge of fluid, its properties and behavior		https://web.mitsgwalior.in/images/Departments/mech
Fluid Mechanics & Hydraulic	190304	under various conditions of internal and external		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Machines		flows.	2010	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Software lab	190305	and simulation software		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2017	
Self-learning/Presentation		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
(SWAYAM/NPTEL/MOOC)	190306	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2020-21.pdf
(3VATAIVI) NF TEL/IVIOUC)			2017	

Summer Internship Project-I (Institute Level) (Evaluation)	190307	Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2020-21.pdf
		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –I	190401	which include engines, linkages etc		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
Automotive Electrical and		Develop skill of finding faults and rectification of		https://web.mitsgwalior.in/images/Departments/mech
Electronics System	190402	ignition circuits and wiring.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		Represent a thermodynamic system by a control		https://web.mitsgwalior.in/images/Departments/mech
Engineering Thermodynamics	190403	mass or control volume and identify work and/or		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		heat interactions between the system and	2010	
		surroundings manage manufacturing processes and systems	2010	https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Process	190404	for the best use of material and human		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Manufacturing Process	190404	resources	2010	anical_engineering/NAAC/1.2.1_new/2020-21.pdi
		demonstrate the fundamentals of machining	2010	https://web.mitsgwalior.in/images/Departments/mech
	190405	processes and machine tools		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Production Lab	130403	processes and machine tools	2010	unical engineering/NAAc/1.2.1 New/2020 21.pdf
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	190501	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		develop fundamental knowledge on tool		https://web.mitsgwalior.in/images/Departments/mech
Metal Cutting and Machine Tool	190502	materials, cutting fluids and tool wear		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		mechanisms	2015	
		comprehensive of physical science and its		https://web.mitsgwalior.in/images/Departments/mech
Heat and Mass Transfer	190503	fundamentals applicable to the engineering		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		discipline	2010	
		identify, formulate and solve design engineering		https://web.mitsgwalior.in/images/Departments/mech
Design of Machine Elements	190504	problems		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		Understand vehicle chassis structure and		https://web.mitsgwalior.in/images/Departments/mech
Automotive Chassis	190505	components of transmission lines.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
	400-05	Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Minor Project-I	190506	society/industries projects/problems	2040	anical_engineering/NAAC/1.2.1_new/2020-21.pdf
			2010	

Summer Internship Project-II		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
(Evaluation)	190507			anical engineering/NAAC/1.2.1 new/2020-21.pdf
Self-learning/Presentation		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
(SWAYAM/NPTEL/ MOOC)	190508	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2020-21.pdf
(3VATAIVI) NFTELY IVIOUC)			2017	
		Develop the basic knowledge of the students in		https://web.mitsgwalior.in/images/Departments/mech
Automotive Transmission	190601	mechanics, torque conversion area		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		Study of materials used in automotive and their		https://web.mitsgwalior.in/images/Departments/mech
Automotive Material	190611	behavior.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
Work Study and Ergonomics	190612	the productivity of an organization.		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
			2015	
		Different emission standards and controls		https://web.mitsgwalior.in/images/Departments/mech
Automotive Pollution and Control	190613			anical_engineering/NAAC/1.2.1_new/2020-21.pdf
			2015	
		Concepts of stress analysis, theories of failure		https://web.mitsgwalior.in/images/Departments/mech
Automotive Commonent Design	100014	and material science to analyze, design and/or		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Automotive Component Design	190614	select commonly used Automotive components.		
			2015	
Robotics and Control: Theory and		Key elements and constituents of a robot		https://web.mitsgwalior.in/images/Departments/mech
Robotics and Control: Theory and	190652			anical engineering/NAAC/1.2.1 new/2020-21.pdf
Practice			2020	
Final demonstration of Australia Airconnections		Basics of automotive system and		https://web.mitsgwalior.in/images/Departments/mech
Fundamental of Automotive	190653	construction		anical engineering/NAAC/1.2.1 new/2020-21.pdf
System			2020	
		In-depth understanding of concepts in		https://web.mitsgwalior.in/images/Departments/mech
Viscous Fluid Flow	190654	viscous fluid flow.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2020	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
	190605	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Minor Project-II		· ·	2010	
		Hands in session for vehicle maintenance,		https://web.mitsgwalior.in/images/Departments/mech
Automotive Maintenance	190701	Vehicle service procedure		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		·	2016	

		Forces act on vehicles, performace analysis,		https://web.mitsgwalior.in/images/Departments/mech
	190711	design considerations		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Vehicle Dynamics			2015	
		Fules and their behavior under varios conditions		https://web.mitsgwalior.in/images/Departments/mech
	190712			anical engineering/NAAC/1.2.1 new/2020-21.pdf
Theory of Fuels and Lubricants			2015	
		Vehicle designing and its performance		https://web.mitsgwalior.in/images/Departments/mech
Two and Three-Wheeler	190714			anical engineering/NAAC/1.2.1 new/2020-21.pdf
Technology			2015	
		Design of horticultural machines and		https://web.mitsgwalior.in/images/Departments/mech
	400754	equipment		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Farm Machinery	190751		2020	
Mechanism and Robot	400750	Robot mechanism and its		https://web.mitsgwalior.in/images/Departments/mech
Kinematics	190752	application in real life	2020	anical_engineering/NAAC/1.2.1_new/2020-21.pdf
			2020	had a state of the section of the se
Introduction to Mechanical	100753	Robot mechanism and its		https://web.mitsgwalior.in/images/Departments/mech
Vibration	190753	application in real life	2020	anical_engineering/NAAC/1.2.1_new/2020-21.pdf
		Skill to reduce the occurrence of unsafe	2020	https://web.mitsgwalior.in/images/Departments/mech
Industrial Safety Engineering	190754			anical engineering/NAAC/1.2.1 new/2020-21.pdf
Industrial Safety Engineering		operation in industry	2020	anical_engineering/NAAC/1.2.1_new/2020-21.pui
		Computational and motion control methods		https://web.mitsgwalior.in/images/Departments/mech
Wheeled Mobile Robots	190851	applicable to mobile robotic systems		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		Analysis of vapour power cycle, steam		https://web.mitsgwalior.in/images/Departments/mech
		generators and their accessories,		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Steam and Gas Power Systems	190852	Performance of Boilers and combustion of		
		fuel	2020	
		Skills to translate the ideas into the practical		https://web.mitsgwalior.in/images/Departments/mech
Product Design and	900609	design and mass production		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Manufacturing		design and mass production	2020	
-		Understand the fundamental and advance		https://web.mitsgwalior.in/images/Departments/mech
	900610	concepts of automatic controls for engineers		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Automatic Control		and designers.	2020	
		Skill sets needed in the contemporary,		https://web.mitsgwalior.in/images/Departments/mech
Mechatronics	900611	advanced automated manufacturing industry		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2020	

		Introduce the basic concepts required for the		https://web.mitsgwalior.in/images/Departments/mech
	000040	engineers to work in the field of solar energy		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Elements of Solar Energy	900612	technology, both industrial installations and		
Conversion		research endeavours	2020	
Traditional and Non-Traditional		Formulation of design problems as		https://web.mitsgwalior.in/images/Departments/mech
Optimization Tools	900613	mathematical programming problems		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Optimization roots			2020	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering- I	560112	for various materials		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2010	
Production and Operations				https://web.mitsgwalior.in/images/Departments/mech
Management	560113	Industrial operations, strategy, time		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Widingerieff		management	2017	
		The Maintenance strategies and overall		https://web.mitsgwalior.in/images/Departments/mech
Maintenance Management	560114	configuration and Maintenance of Machines ,		anical engineering/NAAC/1.2.1 new/2020-21.pdf
		structure and System.	2010	
		Study of different manufacturing techniques		https://web.mitsgwalior.in/images/Departments/mech
Flexible Manufacturing Systems	560115	automation and control		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2015	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
	560116	the productivity of an organization.		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Ergonomics and Work Study			2010	
		The philosophy and core values of Total Quality		https://web.mitsgwalior.in/images/Departments/mech
	560117	Management		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Total Quality Management			2015	
		Skills to translate the ideas into the practical		https://web.mitsgwalior.in/images/Departments/mech
	800111	design and mass production		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Product Design & Development			2020	
				https://web.mitsgwalior.in/images/Departments/mech
Computer Integrated	800112	To study smart machine which controlled by		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Manufacturing		computer for accuracy and automation	2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab-I	560120	processes and machine tools		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
			2010	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Learning / Presentation	560121	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Jen Leaning / Tresentation	000===	le accoment and Second and and		

		Application of computers in various aspects		https://web.mitsgwalior.in/images/Departments/mech
	560044	manufacturing to reduce manual processing and		anical engineering/NAAC/1.2.1 new/2020-21.pdf
	560211	linking computers to all the manufacturing		
Automation & Robotics		machines	2010	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering-II	560212	for various materials		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2010	
Logistics and Supply Chain		Industrial logistics challeges and their different		https://web.mitsgwalior.in/images/Departments/mech
- , , ,	560213	solutions		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Management			2015	
		Statistical methods used in industries		https://web.mitsgwalior.in/images/Departments/mech
	560214			anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Quality Design and Control			2020	
		Use of latest optimization technique for problem		https://web.mitsgwalior.in/images/Departments/mech
Traditional and Non-Traditional	560215	solving		anical_engineering/NAAC/1.2.1_new/2020-21.pdf
Optimization Tools			2020	
		Skills to translate the ideas into the practical		https://web.mitsgwalior.in/images/Departments/mech
Product Design and	560216	design and mass production		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Manufacturing			2020	
		Microstructural characterization of materials		https://web.mitsgwalior.in/images/Departments/mech
	560217			anical engineering/NAAC/1.2.1 new/2020-21.pdf
Material characterization			2020	
Generative Design for Additive		3D Printing, Additive Manufacturing,		https://web.mitsgwalior.in/images/Departments/mech
O	560218	generative design		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Manufacturing			2020	
Introduction to Operations		Efficient business operations, production of		https://web.mitsgwalior.in/images/Departments/mech
•	800210	goods and services		anical engineering/NAAC/1.2.1 new/2020-21.pdf
Management			2020	
		Hands-on training various tools available for		https://web.mitsgwalior.in/images/Departments/mech
Tools in Scientific Computing	800211	scientific computing		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2020	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab-II	560220	processes and machine tools		anical engineering/NAAC/1.2.1 new/2020-21.pdf
			2010	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
		, ,		
Self Learning / Presentation	560221	presentation and group discussion		anical_engineering/NAAC/1.2.1_new/2020-21.pdf

Computer Integrated Manufacturing	560301	To study smart machine which controlled by computer for accuracy and automation	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2020-21.pdf
Maintenance Management	560302	The Maintenance strategies and overall configuration and Maintenance of Machines , structure and System.	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2020-21.pdf
Seminar	560303	Skill development of self learning through presentation and group discussion	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2020-21.pdf
Dissertation Part – I (Literature review / Problem Formulation/ Synopsis)	560304	To develop product/ simulate/ experimentation using engineering knowledge to solve societal/industrial problems.	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2020-21.pdf
Management Functions and Behaviour	700111	process, tasks and responsibilities of a professional manager	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Teamwork, Leadership and Corporate Finance	700112	interpersonal leadership and teamwork skills, corporate financial analysis from the point of corporate value creation.	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Business, Government, Society and International Economy	700113	political, regulatory, societal, Cultural and natural factors	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Managerial Communication	700114	improving verbal and non-verbal communication to develop student's skills in applying these concepts to realistic situations in a different workplace environment	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Microeconomics	700115	take decisions through strategies regarding Market Conditions, Pricing, and facing competition.	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Marketing Management	700116	fundamentals of marketing concept and the role marketing plays in business.	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Managing People and Performance in Organizations	700117	to practices and techniques for evaluating performance, structuring teams, coaching and mentoring people	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Financial & Management Accounting and Control	700118	Concepts of Financial, Cost and Management Accounting and their application in managerial decision making	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Self-learning/Presentation (through SWAYAM/NPTEL/MOOC or Interdisciplinary course from other institutions and platforms	700219	Self-learning (Interdisciplinary)	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Organizational Behavior	700211	function more effectively in their roles as managers personally and with others.	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf

Operations Management	700212	taking decisions in operating and controlling the production and service industries.	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Financial Management	700213	ensure regular and adequate supply of funds to the concern and Adequate returns to the shareholders,	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Research Methodology & Statistics	700214	design and execute a basic survey research project, to understand the research tools and techniques; statistical description and analysis, appropriate for a business student	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Entrepreneurship & Innovation	700215	role of the entrepreneur, innovation and technology in the entrepreneurial process.	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Legal Aspects of Business	700216	significant provisions of selected business laws	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
International Business Management	700217	emerging global trends to business environment and framework of International Business	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Business, Environment and Sustainability	700218	social, political and economic context of business, effect of technology on the environment,Sustainable Business Development	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Self-learning/Presentation	MC0201	Personality development	2020	https://web.mitsgwalior.in/images/Departments/management/NAAC/1.1.3%20DoM%202020-21%20final.pdf
Dissertation part-II	560401	To develop product/ simulate/ experimentation using engineering knowledge to solve societal/industrial problems.	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2020-21.pdf
Engineering Graphics	100105	imagination and mental visualization capabilities for interpreting the geometrical details of common engineering objects	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Manufacturing Practices	100106	basics of tools and equipments used in fitting, carpentry, sheet metal, welding and smithy	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Basic Mechanical Engineering	100204	Thermodynamic laws, steam generator and reciprocating machines for solving engineering problems	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Material Science	120301	different classes of materials, their properties, structures and imperfections present in them	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Mechanics of Materials	120302	Calculate stresses and deformations of objects under external loadings	2015	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf

		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –I	120303	which include engines, linkages etc		anical engineering/NAAC/1.2.1 new/2019-20.pdf
,			2015	
Fluid Mochanics and Hydraulic		knowledge of fluid, its properties and behavior		https://web.mitsgwalior.in/images/Departments/mech
Fluid Mechanics and Hydraulic	120304	under various conditions of internal and external		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Machines		flows.	2010	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Software Lab	120305	and simulation software		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2017	
Self-learning/Presentation		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
(SWAYAM/NPTEL/MOOC)	120306	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2019-20.pdf
(SWAYAINI/NPTEL/IVIOOC)			2017	
Summer Internship Project-I		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
(Institute Level) (Evaluation)	120307			anical_engineering/NAAC/1.2.1_new/2019-20.pdf
(motitute level) (Livaldation)				
		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –II	120401	which include engines, linkages etc		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
			2015	
		identify, formulate and solve design engineering		https://web.mitsgwalior.in/images/Departments/mech
Design of Machine Elements	120402	problems		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
			2015	
		manage manufacturing processes and systems		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Process	120403	for the best use of material and human		anical engineering/NAAC/1.2.1 new/2019-20.pdf
		resources	2010	
		Represent a thermodynamic system by a control		https://web.mitsgwalior.in/images/Departments/mech
Engineering Thermodynamics	120404	mass or control volume and identify work and/or		anical engineering/NAAC/1.2.1 new/2019-20.pdf
	120101	heat interactions between the system and		
		surroundings	2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
	120405	processes and machine tools		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Production Lab			2010	
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	120501	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
		develop fundamental knowledge on tool		https://web.mitsgwalior.in/images/Departments/mech
Metal Cutting and Machine Tools	120502	materials, cutting fluids and tool wear		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
		mechanisms	2015	

		comprehensive of physical science and its		https://web.mitsgwalior.in/images/Departments/mech
Heat And Mass Transfer	120503	fundamentals applicable to the engineering	2040	anical engineering/NAAC/1.2.1 new/2019-20.pdf
		discipline	2010	
	400504	Study of various cycles and their applications		https://web.mitsgwalior.in/images/Departments/mech
Thermal Engineering	120504		2012	anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
Machine Design	120505	design engineering tools necessary for		anical engineering/NAAC/1.2.1 new/2019-20.pdf
		engineering practice	2010	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Minor Project-I	120506	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
Summer Internship Project-II		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
(Evaluation)	120507			anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Calf I amina / Duana atatian		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self-learning/Presentation	120508	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2019-20.pdf
(SWAYAM/NPTEL/ MOOC)			2017	
		Application of computers in various aspects		https://web.mitsgwalior.in/images/Departments/mech
		manufacturing to reduce manual processing and		anical engineering/NAAC/1.2.1 new/2019-20.pdf
	120601	linking computers to all the manufacturing		
Advance Production Technology		machines	2015	
		Real-world mechanical vibration problems		https://web.mitsgwalior.in/images/Departments/mech
Vibration and Noise Engineering	120611	·		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
		Concepts of reliability, life testing and costing of		https://web.mitsgwalior.in/images/Departments/mech
Statistical Quality Control	120612	product		anical engineering/NAAC/1.2.1 new/2019-20.pdf
,		ľ	2010	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
Work Study and Ergonomics	120613	the productivity of an organization.		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Tremetal, and Ergeneimes			2015	
		velocity triangles, thermodynamic plots and		https://web.mitsgwalior.in/images/Departments/mech
Turbo Machinery	120614	losses in turbo machinery		anical engineering/NAAC/1.2.1 new/2019-20.pdf
,		,	2010	
		Study of plant requirement of thermal	2019	https://web.mitsgwalior.in/images/Departments/mech
Power Plant Engineering	120651	aspects	2013	anical engineering/NAAC/1.2.1 new/2019-20.pdf
. one i lancengnicenng	123031	aspects		Ginear_CrigineCring/14/4/O/11/2.1_IICW/2010/2010/DUI

Fundamental of Welding Science and Technology	120652	Welding behavior of materials	2019	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Gear and Gear unit Design: Theory and Practice	120653	Different aspects of gear design	2019	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Minor Project-II	120605	Apply Engineering knowledge for society/industries projects/problems	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Machine Design-III	BMEL -701	ability to use the techniques, skills and modern design engineering tools necessary for engineering practice	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Refrigeration & Air- Conditioning	BMEL -702	Principles and different methods of refrigeration	2010	https://web.mitsgwalior.in/images/Departments/mech anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Robotics & Mechatronics	BMEL -703	Key elements and constituents of a robot	2015	https://web.mitsgwalior.in/images/Departments/mech anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Heat & Mass Transfer	BMEL-704	comprehensive of physical science and its fundamentals applicable to the engineering discipline	2010	https://web.mitsgwalior.in/images/Departments/mech anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Production & Operation & Management	BMEL-705 (i)	Industrial operations, strategy, time management	2017	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Gas Dynamics	BMEL-705 (ii)	Behaviour of gas under dynamic condition and its effects	2015	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Material Handling systems and Equipment	BMEL-705 (iii)	Industrial material handling problems and solutions	2015	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Non-conventional energy sources	BMEL-705 (iv)	Use of alternative energy, performance and future	2017	https://web.mitsgwalior.in/images/Departments/mechanical engineering/NAAC/1.2.1 new/2019-20.pdf
Machine Tool Technology	BMEL-705 (v)	Design of different machine tools for industrial aaplication	2015	https://web.mitsgwalior.in/images/Departments/mechanical engineering/NAAC/1.2.1 new/2019-20.pdf
Industrial Training	BMET -706	Skill development using hands on practice	2010	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf

		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Project-I	BMED - 707	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2019-20.pdf
•			2010	
		Real-world mechanical vibration problems		https://web.mitsgwalior.in/images/Departments/mech
Vibration & Noise Control	BMEL - 801			anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
		Different componenet of vehicle, their design		https://web.mitsgwalior.in/images/Departments/mech
Automobile Engineering	BMEL - 802	and behavior		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
Statistical Quality		Concepts of reliability, life testing and costing of		https://web.mitsgwalior.in/images/Departments/mech
Control/Statistical Process	BMEL - 803	product		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Control			2010	
Emerging Technologies	BMEL-804			https://web.mitsgwalior.in/images/Departments/mech
&Management Techniques	(i)	Latest management technologies to make		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
avianagement reciniques	(1)	process more economical and effective	2018	
	BMEL-804	Latest welding techniques and application in		https://web.mitsgwalior.in/images/Departments/mech
	(ii)	engineering field		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Advance Welding Technology	(11)		2018	
	BMEL-804	To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
		different techniques, applications and		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Optimization Techniques	(iii)	examples	2018	
	BMEL-804	The Maintenance strategies and overall		https://web.mitsgwalior.in/images/Departments/mech
Maintenance Engineering	(iv)	configuration and Maintenance of Machines,		anical engineering/NAAC/1.2.1 new/2019-20.pdf
		structure and System.	2015	
	BMEL-804			https://web.mitsgwalior.in/images/Departments/mech
		To manage activities with different		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Project Management	(v)	techniques and stretegy	2018	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar/Self Study	BMES -805	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Project-II	BMED -806	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
	190301	structures and imperfections present in them		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Material Science			2010	
		Calculate stresses and deformations of objects		https://web.mitsgwalior.in/images/Departments/mech
Mechanics of Materials	190302	under external loadings		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	

		Study of different concepts of IC engine, body		https://web.mitsgwalior.in/images/Departments/mech
Automotive Engines	190303	and chessis details.		anical engineering/NAAC/1.2.1 new/2019-20.pdf
_			2015	
Fluid Machanies & Hydraulis		knowledge of fluid, its properties and behavior		https://web.mitsgwalior.in/images/Departments/mech
Fluid Mechanics & Hydraulic	190304	under various conditions of internal and external		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Machines		flows.	2010	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Software lab	190305	and simulation software		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2017	
Self-learning/Presentation		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
_	190306	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2019-20.pdf
(SWAYAM/NPTEL/MOOC)			2017	
Summer Internship Project-I		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
(Institute Level) (Evaluation)	190307			anical_engineering/NAAC/1.2.1_new/2019-20.pdf
(Institute Level) (Evaluation)				
		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –I	190401	which include engines, linkages etc		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
			2010	
Automotive Electrical and		Develop skill of finding faults and rectification of		https://web.mitsgwalior.in/images/Departments/mech
Electronics System	190402	ignition circuits and wiring.		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Electronics System			2015	
		Represent a thermodynamic system by a control		https://web.mitsgwalior.in/images/Departments/mech
Engineering Thermodynamics	190403	mass or control volume and identify work and/or		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Lingineering Thermodynamics	190405	heat interactions between the system and		
		surroundings	2010	
		manage manufacturing processes and systems		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Process	190404	for the best use of material and human		anical engineering/NAAC/1.2.1 new/2019-20.pdf
		resources	2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
	190405	processes and machine tools		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Production Lab			2010	
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	190501	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
		develop fundamental knowledge on tool		https://web.mitsgwalior.in/images/Departments/mech
Metal Cutting and Machine Tool	190502	materials, cutting fluids and tool wear		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
		mechanisms	2015	

		comprehensive of physical science and its		https://web.mitsgwalior.in/images/Departments/mech
Heat and Mass Transfer	190503	fundamentals applicable to the engineering		anical engineering/NAAC/1.2.1 new/2019-20.pdf
		discipline	2010	
		identify, formulate and solve design engineering		https://web.mitsgwalior.in/images/Departments/mech
Design of Machine Elements	190504	problems		anical engineering/NAAC/1.2.1 new/2019-20.pdf
_			2015	
		Understand vehicle chassis structure and		https://web.mitsgwalior.in/images/Departments/mech
Automotive Chassis	190505	components of transmission lines.		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Minor Project-I	190506	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2019-20.pdf
·			2010	
Summer Internation Draiget II		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
Summer Internship Project-II	190507			anical_engineering/NAAC/1.2.1_new/2019-20.pdf
(Evaluation)				
Colf loorning/Drocontation		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self-learning/Presentation	190508	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2019-20.pdf
(SWAYAM/NPTEL/ MOOC)			2017	
		Develop the basic knowledge of the students in		https://web.mitsgwalior.in/images/Departments/mech
Automotive Transmission	190601	mechanics, torque conversion area		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
			2015	
		Study of materials used in automotive and their		https://web.mitsgwalior.in/images/Departments/mech
Automotive Material	190611	behavior.		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
Work Study and Ergonomics	190612	the productivity of an organization.		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
		Different emission standards and controls		https://web.mitsgwalior.in/images/Departments/mech
Automotive Pollution and Control	190613			anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
		Concepts of stress analysis, theories of failure		https://web.mitsgwalior.in/images/Departments/mech
Automotive Company Design	100014	and material science to analyze, design and/or		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Automotive Component Design	190614	select commonly used Automotive components.		
			2015	
Fundamental of combustion for		Combustion behavior and its analysis	2019	https://web.mitsgwalior.in/images/Departments/mech
	190651			anical_engineering/NAAC/1.2.1_new/2019-20.pdf
propulsion				

Robotics and Control: Theory and Practice	190652	Robot anatomy	2019	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Fundamental of Automotive System	190653	Basics of automotive system and construction	2019	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Robotics	900101	Robot anatomy and its application	2019	https://web.mitsgwalior.in/images/Departments/mechanical engineering/NAAC/1.2.1 new/2019-20.pdf
Product Design	900102	Product requirement and its different aspects	2019	https://web.mitsgwalior.in/images/Departments/mechanical engineering/NAAC/1.2.1 new/2019-20.pdf
Minor Project-II	190605	Apply Engineering knowledge for society/industries projects/problems	2010	https://web.mitsgwalior.in/images/Departments/mechanical_engineering/NAAC/1.2.1_new/2019-20.pdf
Vehicle Dynamics	BAUL-701	Forces act on vehicles, performace analysis, design considerations	2015	https://web.mitsgwalior.in/images/Departments/mech anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Refrigeration & Air Conditioning	BAUL-702	Principles and different methods of refrigeration and air conditioning	2010	https://web.mitsgwalior.in/images/Departments/mech anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Transport Management and motor vehicle Act	BAUL-703	Different rules and regulations of motor vehicle act	2015	https://web.mitsgwalior.in/images/Departments/mechanical engineering/NAAC/1.2.1 new/2019-20.pdf
Heat and Mass Transfer	BAUL-704	comprehensive of physical science and its fundamentals applicable to the engineering discipline	2010	https://web.mitsgwalior.in/images/Departments/mechanical engineering/NAAC/1.2.1 new/2019-20.pdf
Machine Design-III	BAUL-705 (i)	ability to use the techniques, skills and modern design engineering tools necessary for engineering practice	2010	https://web.mitsgwalior.in/images/Departments/mechanical engineering/NAAC/1.2.1 new/2019-20.pdf
Production & Operation Management	BAUL-705 (ii)	Industrial operations, strategy, time management	2017	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Off road Vehicle	BAUL-705 (iii)	Vehicle designing and its performance	2018	https://web.mitsgwalior.in/images/Departments/mech anical engineering/NAAC/1.2.1 new/2019-20.pdf
Non-conventional energy sources	BAUL-705 (iv)	Use of alternative energy, performance and future	2017	https://web.mitsgwalior.in/images/Departments/mechanical engineering/NAAC/1.2.1 new/2019-20.pdf

		Skill development using hands on practice		https://web.mitsgwalior.in/images/Departments/mech
Industrial Training	BAUT-706			anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Project-I	BAUD-707	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
		Real-world mechanical vibration problems		https://web.mitsgwalior.in/images/Departments/mech
Vibration & Noise Control	BAUL- 801			anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
		Vehicle body structure, component, forces,		https://web.mitsgwalior.in/images/Departments/mech
Vehicle Body Engineering	BAUL- 802	materials		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
		Study of hybrid vehicle, structure, component,		https://web.mitsgwalior.in/images/Departments/mech
Hybrid Electric Vehicle	BAUL- 803	use		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
			2016	
	BAUL-804	Latest welding techniques and application in		https://web.mitsgwalior.in/images/Departments/mech
	(i)	engineering field		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Advance Welding Technology	(1)		2018	
	BAUL-804			https://web.mitsgwalior.in/images/Departments/mech
	(ii)	To manage activities with different		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Project Management	(11)	techniques and stretegy	2018	
	BAUL-804	The Maintenance strategies and overall		https://web.mitsgwalior.in/images/Departments/mech
	(iii)	configuration and Maintenance of Machines,		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Maintenance Management	(111)	structure and System.	2010	
	BAUL-804	5:55		https://web.mitsgwalior.in/images/Departments/mech
	(iv)	Different types of tyre, manufacturing and		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Tyre Technology	(,	performance	2018	
	BAUL-804			https://web.mitsgwalior.in/images/Departments/mech
	(v)			anical engineering/NAAC/1.2.1 new/2019-20.pdf
Quality Assurance	(-,	To perform different quality test	2018	
L		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar/ Self Study	BAUS- 805	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
Major Project		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
	BAUD- 806	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
Optimization Techniques In		To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
Mechanical Engineering	560101	different techniques, applications and		anical engineering/NAAC/1.2.1 new/2019-20.pdf
THE CHAINCAI ENGINEETING		examples	2010	

Integrated Manufacturing &		Resource management using different		https://web.mitsgwalior.in/images/Departments/mech
Resources Planning	560102	approaches		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Resources Planning			2010	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering- I	560103	for various materials		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
Production & Operation				https://web.mitsgwalior.in/images/Departments/mech
Management	560104	Industrial operations, strategy, time		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Management		management	2017	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
	560105	the productivity of an organization.		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Ergonomics and Work Study			2010	
				https://web.mitsgwalior.in/images/Departments/mech
	560106	To manage activities with different		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Project Management		techniques and stretegy	2018	
		To check performance of different bearings,		https://web.mitsgwalior.in/images/Departments/mech
Reliability Availability and	560107	analysis of behavior and their relation at		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
Maintainability		different vibration conditions.	2015	
		Manufacturing aspects, management stretegies		https://web.mitsgwalior.in/images/Departments/mech
	560108	and their implementations		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
World-Class Manufacturing			2015	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Simulation & Modeling LabI	560109	and simulation software		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2015	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab. – I	560110	processes and machine tools		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
		Application of computers in various aspects		https://web.mitsgwalior.in/images/Departments/mech
	560201	manufacturing to reduce manual processing and		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Automation & Robotics in	360201	linking computers to all the manufacturing		
Production		machines	2010	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering-II	560203	for various materials		anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
		The philosophy and core values of Total Quality		https://web.mitsgwalior.in/images/Departments/mech
Total Quality Management	560204	Management		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
			2010	

				https://web.mitsgwalior.in/images/Departments/mech
	560205	Latest management technologies to make		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Engineering Estimation & Costing		process more economical and effective	2010	
		Study of different manufacturing techniques		https://web.mitsgwalior.in/images/Departments/mech
	560206	automation and control		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Flexible Manufacturing System			2015	
		Study of process using different aspects of		https://web.mitsgwalior.in/images/Departments/mech
	560207	engineering		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Concurrent Engineering			2010	
		Industrial logistics challeges and their different		https://web.mitsgwalior.in/images/Departments/mech
Logistics & Supply	560208	solutions		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Chain Management			2015	
		Hands on session for skill developments		https://web.mitsgwalior.in/images/Departments/mech
Computer Lab-I	560209			anical_engineering/NAAC/1.2.1_new/2019-20.pdf
			2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab-II	560210	processes and machine tools		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
			2010	
Computer Integrated		To shook a second one ship on the ball of the		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing	560301	To study smart machine which controlled by		anical_engineering/NAAC/1.2.1_new/2019-20.pdf
		computer for accuracy and automation	2010	
		The Maintenance strategies and overall		https://web.mitsgwalior.in/images/Departments/mech
Maintenance Management	560302	configuration and Maintenance of Machines,	2012	anical engineering/NAAC/1.2.1 new/2019-20.pdf
		structure and System.	2010	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar	560303	presentation and group discussion	2010	anical engineering/NAAC/1.2.1 new/2019-20.pdf
			2010	
Dissertation Part – I (Literature		To delop product/simulate/experimentation		https://web.mitsgwalior.in/images/Departments/mech
review / Problem Formulation/	560304	using engineering knowledge to solve		anical engineering/NAAC/1.2.1 new/2019-20.pdf
Synopsis)		societal/industrial problems.	2010	
		To delop product/simulate/experimentation		https://web.mitsgwalior.in/images/Departments/mech
Dissertation part-II		using engineering knowledge to solve		anical engineering/NAAC/1.2.1 new/2019-20.pdf
	560401	societal/industrial problems.	2010	
Basic Civil Engineering & Mechanics	100205	Building Materials, applications of remote	2017	https://web.mitsgwalior.in/images/Departments/Civil/
		sensing, measurement of area volume, shear		bos%20file/new%20files/BOS%20April%202018.pdf
		force bending moment		
Building Planning & Design	110302	Green Buildings, NBC provisions, building bye	2018	https://web.mitsgwalior.in/images/Departments/Civil/
		laws		bos%20file/new%20files/BOS%20April%202018.pdf

Building Materials & Construction	110303	Fresh and Hardened concrete, damp prevention, anti termite treatment, water proofing	2016	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Surveying	110304	Traversing, curve setting, linear and angular measurement	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Strength of Materials	110305	Stress Strain, euler's buckling load	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Software Lab	110306	drawing of building elements on AutoCAD	2018	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Summer Internship Project - I	110308	Students work on in house projects under various domains.	2018	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Estimating, Costing & Contracting	110501	rate analysis, preparation of detailed estimates of buildings, contract	2019	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202019%20file.pdf
Structural Design & Drawing (RCC)	110502	design of beams, slabs, columns, footings, staircases	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202019%20file.pdf
Fluid Mechanics - II	110503	pipe flow problems, uniform flow in open channels	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202019%20file.pdf
Transportation Engineering	110505	geometric design of highways, traffic studies, design of flexible and rigid pavements	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202019%20file.pdf
Minor Project - I	110506	students work on various field based problems, case study, experimental studies etc	2019	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202019%20file.pdf
Summer Internship Project - II	110507	students work on improving their soft skills	2019	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202019%20file.pdf
Environmental Engineering - I	110504	water treatment plant design, design of distribution system	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202019%20file.pdf
Geotechnical Engineering - II	BCEL701	Shallow foundations, deep foundations, pile foundations	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf

Environmental Engineering - II	BCEL702	sewage treatment plant, sewerage system deisgn	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Advanced Structural Design - I (RCC)	BCEL703	design of water tanks, bridges, prestressed concrete	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Railway, Bridge & Tunnel Engineering	BCEL704	geometrical design, curves, railway stations, construction of tunnels	2018	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Irrigation Engineering	BCEL705	Design of lined and unlined canals	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Training/Internship	BCET706	Field oreinted case studies like bridge, overhead tanks, highway and multistorey buildings, etc	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Major Project - I	BCEP707	students work on various field based problems, case study, experimental studies etc	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Management Theory	510101	comparative management styles and approaches	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Materials & Equipments	510102	Concrete mix design, special concrete, prefabrication	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Quantitative Methods	510103	Game Theory, Theory of Probability, Z transform	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Contract Management	510104	claims & arbitrations, construction contracts BOT projects	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Functional Planning Building Services & Maintenance Management	510105	Provision of NBC, Plumbing services	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Computer Lab-I	510106	MATLAB, Prima Vera, BIM	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Construction lab- I	510107	Various Tests on Concrete	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf

Infrastructure Project Management	510301	strategic issues in infrastructure development, risk management in infrastructure project	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Urban Hydrology & Waste Management	510302	Hydrograph analysis, flood estimation, C&D waste management	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Preliminary Dissertation	510304	student carry out their research work in various areas	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Environmental Chemistry & Microbiology	530101	instrumental methods of analysis, microbiology of water and waste water	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Materials & Equipments	530102	Concrete mix design, special concrete, prefabrication	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Quantitative Methods	530103	Game Theory, Theory of Probability, Z transform	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Solid Waste Management	530104	solid waste treatment, disposal	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Functional Planning Building Services & Maintenance Management	530105	Provision of NBC, Plumbing services	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Computer Lab - I	530106	MATLAB, Prima Vera, BIM	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Env Lab - I	530107	Water quality analysis	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Principles & Design of Biological Treatment System	530301	Biological Sewage Treatment techniques	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Urban Hydrology & Waste Management	530302	Hydrograph analysis, flood estimation, C&D waste management	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Preliminary Dissertation	530304	student carry out their research work in various areas	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf

Geotechnical Engineering	110402	permeability of soil, stress distribution in soil,	2018	https://web.mitsgwalior.in/images/Departments/Civil/
		shear strength of soil		bos%20file/new%20files/BOS%20Nov%202019.pdf
Fluid Mechanics - I	110403	Flow measurement, stoke's law, dimensional	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		analysis		bos%20file/new%20files/BOS%20Nov%202019.pdf
Structural Analysis	110404	analysis of beams & frames by various methods	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20Nov%202019.pdf
Water Resources Engineering	110406	Flood estimation, hydrograph analysis, design of	2019	https://web.mitsgwalior.in/images/Departments/Civil/
		canals		bos%20file/new%20files/BOS%20Nov%202019.pdf
Survey Practice Lab	110407	Traversing by total station, Profiling of road	2018	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20Nov%202019.pdf
Structural Design & Drawing (Steel)	110602	design of tension members, compression	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		members, plate girders, built up beams		bos%20file/new%20files/BOS%20Nov%202019.pdf
Waste Water Engineering	110611	sewage treatment plant, sewerage system	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		deisgn		bos%20file/new%20files/BOS%20Nov%202019.pdf
Solid Waste Management	110612	collection of solid waste, treatment and disposal	2019	https://web.mitsgwalior.in/images/Departments/Civil/
		of waste, waste to energy, plastic waste, ewaste		bos%20file/new%20files/BOS%20Nov%202019.pdf
		management		
Construction Planning &	110613	time cost optimization using network techniques	2017	https://web.mitsgwalior.in/images/Departments/Civil/
Management				bos%20file/new%20files/BOS%20Nov%202019.pdf
Maintenance & Repair of Concrete	110651	Repair of Concrete Structures	2019	https://web.mitsgwalior.in/images/Departments/Civil/
Structures				bos%20file/new%20files/BOS%20Nov%202019.pdf
Geotechnical Engineering - II	110652	Shallow foundations, deep foundations, pile	2019	https://web.mitsgwalior.in/images/Departments/Civil/
(Foundation Engineering)		foundations'		bos%20file/new%20files/BOS%20Nov%202019.pdf
Energy Efficiency, Accoustics & Day	110653	design of energy effeicient buildings	2019	https://web.mitsgwalior.in/images/Departments/Civil/
lighting in building				bos%20file/new%20files/BOS%20Nov%202019.pdf
Disaster Management	100007	disaster impacts, disaster risk reduction	2019	https://web.mitsgwalior.in/images/Departments/Civil/
		' '		bos%20file/new%20files/BOS%20Nov%202019.pdf
Minor Project - II	110607	students work on various field based problems,	2019	https://web.mitsgwalior.in/images/Departments/Civil/
,		case study, experimental studies etc		bos%20file/new%20files/BOS%20Nov%202019.pdf
		,, ,		
Advanced Structural Design - II	BCEL801	design of water tanks, silos, bridges	2013	https://web.mitsgwalior.in/images/Departments/Civil/
(Steel)				bos%20file/new%20files/BOS%20April%202018.pdf
(5000)				bossozomej newsozomesj boosozomprinsozozospan
Hydraulic Structure	BCEL802	spillways, energy dissipators, cross drainage	2013	https://web.mitsgwalior.in/images/Departments/Civil/
,		works		bos%20file/new%20files/BOS%20April%202018.pdf
Industrial Waste Treatment	BCEL803	Tretament of various industrial wastes, like	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		textile, paper pulp etc		bos%20file/new%20files/BOS%20April%202018.pdf
		, False, barb etc		

Building Environment & Services	BCEL804	Provision of NBC, Plumbing services	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20April%202018.pdf
Major Project-II	BCEP805	students work on various field based problems,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		case study, experimental studies etc		bos%20file/new%20files/BOS%20April%202018.pdf
Construction Techniques	510201	various constrcution techniques, prefab	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Economics & Finance	510202	capital budgeting, project risk, financial	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		accounting		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Cost Management	510203	multi criteria decision making methods, multi	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		objective optimization methods		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Project Management	510204	project planning & management	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Project Planning Scheduling &	510205	resource planning, cost control	2013	https://web.mitsgwalior.in/images/Departments/Civil/
Control				bos%20file/new%20files/BOS%20July%202017%20file.p
	540206	AAATIAD DI NA DINA	2012	df
Computer Lab - II	510206	MATLAB, Prima Vera, BIM	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.pdf
Construction Lab- II	510207	Various Tests on Concrete	2013	https://web.mitsgwalior.in/images/Departments/Civil/
Construction Lab- II	310207	various rests on concrete	2013	bos%20file/new%20files/BOS%20July%202017%20file.p
				df
Dissertation	510401	student carry out their research work in various	2013	https://web.mitsgwalior.in/images/Departments/Civil/
Dissertation	310401	areas	2013	bos%20file/new%20files/BOS%20July%202017%20file.p
		urcus		df
Air Pollution & Sound Pollution	530201	air pollution control techniques, air quality	2014	https://web.mitsgwalior.in/images/Departments/Civil/
	333232	monitoring, noise pollution control		bos%20file/new%20files/BOS%20July%202017%20file.p
		,		df
Advanced Treatment Process - I	530202	water treatment plant design, design of	2014	https://web.mitsgwalior.in/images/Departments/Civil/
(Water Supply Engineering)		distribution system		bos%20file/new%20files/BOS%20July%202017%20file.p
		· ·		df
Advanced Treatment Process - II	530203	waste treatment plant design	2014	https://web.mitsgwalior.in/images/Departments/Civil/
(Waste Water Engg)				bos%20file/new%20files/BOS%20July%202017%20file.p
				df

Project Management	530204	project planning & management	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Environmental Impact Assessment	530205	Planning & developing of EIA reports	2014	https://web.mitsgwalior.in/images/Departments/Civil/
& Ethics				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Computer Lab - II	530206	MATLAB, Prima Vera, BIM	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Env Lab - II	530207	waste water quality anlysis, air quality analysis	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Dissertation	530401	student carry out their research work in various	2014	https://web.mitsgwalior.in/images/Departments/Civil/
		areas		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Engineering Chemistry	100101	engineering materials such as polymers, energy production	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Nov%202019_merged_compressed.
				<u>pdf</u>
Engineering Mathematics - I	100102	To understand the concepts of basic mathematical methods for matrices, complex numbers and	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Nov%202019_merged_compressed.
		differential calculus		<u>pdf</u>
Technical English	100103	Language skills	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Basic Electrical & Electronics	100104	To expose to the field of electrical & electronics	2018	https://web.mitsgwalior.in/images/Departments/electr
Engineering		engineering, and to acquire the fundamental		onics engineering/Nov%202019 merged compressed.
		knowledge in the field		<u>pdf</u>
Engineering Mathematics - III	100003	To understand the concepts of basic mathematical	2018	https://web.mitsgwalior.in/images/Departments/electr
		methods for matrices, complex numbers and		onics engineering/Nov%202019 merged compressed.
		differential calculus		<u>pdf</u>
Cyber Security	100004	To prepare students with the technical knowledge and	2019	https://web.mitsgwalior.in/images/Departments/electr
		skills needed to protect and defend computer systems		onics engineering/Nov%202019 merged compressed.
		and networks.		<u>pdf</u>
Electronics - II	200401	To expose to the field of electronics engineering, and	2018	https://web.mitsgwalior.in/images/Departments/electr
		to acquire the fundamental knowledge in the field		onics engineering/Nov%202019 merged compressed.
				pdf
Electronics - II	140401	To expose to the field of electronics engineering, and	2018	https://web.mitsgwalior.in/images/Departments/electr
		to acquire the fundamental knowledge in the field		onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>

Analog Communication	200402	Understand and implement the basic analog and	2018	https://web.mitsgwalior.in/images/Departments/electr
		digital communication techniques/ circuits used in		onics engineering/Nov%202019 merged compressed.
		communication systems		pdf
Analog Communication	140402	Understand and implement the basic analog and	2018	https://web.mitsgwalior.in/images/Departments/electr
		digital communication techniques/ circuits used in		onics engineering/Nov%202019 merged compressed.
		communication systems		pdf
Communication Networks	200403	Data communication	2018	https://web.mitsgwalior.in/images/Departments/electr
	200.00		2020	onics engineering/Nov%202019 merged compressed.
				pdf
Communication Networks	140403	Data communication	2018	https://web.mitsgwalior.in/images/Departments/electr
l l l l l l l l l l l l l l l l l l l	110103	Jata communication	2010	onics engineering/Nov%202019 merged compressed.
				pdf
Stochastic Processes in Communication	200404	Digital communication systems	2019	https://web.mitsgwalior.in/images/Departments/electr
Stochastic Processes in Communication	200404	Digital communication systems	2019	onics engineering/Nov%202019 merged compressed.
				pdf
Hardware Lab	200405	Learn PCB design used in hardware technology	2018	<u>·</u>
Hardware Lab	200405	Learn PCB design used in nardware technology	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Nov%202019_merged_compressed.
				pdf
Hardware Lab	140405	Learn PCB design used in hardware technology	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Nov%202019_merged_compressed.
				<u>pdf</u>
Electronics Measurement and	140404	Understanding of Measurement errors in electronics	2018	https://web.mitsgwalior.in/images/Departments/electr
Instrumentation		instruments		onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Digital Signal Processing	200601	Fourier transform and signal analysis	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Digital Signal Processing	140602	Fourier transform and signal analysis	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Data Communication	200602	Layered architecture of communication protocols	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Minor Project - II	200606	Integration of knowledge and skills from various areas	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				pdf
Minor Project - II	140606	Integration of knowledge and skills from various areas	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				pdf
		1		<u></u>

Optical Communication	200611	Explain the different modes of propagation in an	2018	https://web.mitsgwalior.in/images/Departments/electr
		optical fiber		onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Optical Communication	140611	Explain the different modes of propagation in an	2018	https://web.mitsgwalior.in/images/Departments/electr
		optical fiber		onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Antennas and Wave Propagation	200612	Antenna design	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Antennas and Wave Propagation	140612	Antenna design	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Telecom Switching and Networks	200613	Traffic management.	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Telecom Switching and Networks	140613	Traffic management.	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Spread Spectrum Communications and	200651	Secure communications over a large frequency band	2020	https://web.mitsgwalior.in/images/Departments/electr
Jamming				onics_engineering/Nov%202019_merged_compressed.
				<u>pdf</u>
Spread Spectrum Communications and	140651	Secure communications over a large frequency band	2020	https://web.mitsgwalior.in/images/Departments/electr
Jamming				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Digital IC Design	200652	MOS Design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Digital IC Design	140652	MOS Design	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Fuzzy Sets,Logic and Systems &	200653	Concepts of fuzzy logic and its applications	2020	https://web.mitsgwalior.in/images/Departments/electr
Application				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Fuzzy Sets,Logic and Systems &	140653	Concepts of fuzzy logic and its applications	2020	https://web.mitsgwalior.in/images/Departments/electr
Application				onics engineering/Nov%202019 merged compressed.
				<u>pdf</u>
Intelligent Control	900104	Fuzzy logic, neural networks	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.

Embedded System	900105	To develop assembly	2020	https://web.mitsgwalior.in/images/Departments/electr
,		language programming skills		onics engineering/Nov%202019 merged compressed.
				pdf
Microprocessor and Interfacing	140601	To develop assembly	2018	https://web.mitsgwalior.in/images/Departments/electr
		language programming skills		onics engineering/Nov%202019 merged compressed.
				pdf
Fiber Optics and Optical Communication	8441	Explain the different modes of propagation in an	2018	https://web.mitsgwalior.in/images/Departments/electr
, , ,		optical fiber		onics engineering/Nov%202019 merged compressed.
				pdf
Fiber Optics and Optical Communication	BELL801	Explain the different modes of propagation in an	2018	https://web.mitsgwalior.in/images/Departments/electr
· ·		optical fiber		onics engineering/Nov%202019 merged compressed.
				pdf
Satellite Communication	8442	Satellite Communication	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				pdf
Satellite Communication	BELL802	Satellite Communication	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				pdf
TV and Radar Engineering	8443	principles of operation of various blocks of Radar	2018	https://web.mitsgwalior.in/images/Departments/electr
		systems and Radar Range equation in detail.		onics engineering/Nov%202019 merged compressed.
				pdf
TV and Radar Engineering	BELL803	principles of operation of various blocks of Radar	2018	https://web.mitsgwalior.in/images/Departments/electr
		systems and Radar Range equation in detail.		onics engineering/Nov%202019 merged compressed.
				pdf
Neural Network and Fuzzy Systems	ELL804	Analyze the various feedback networks	2018	https://web.mitsgwalior.in/images/Departments/electr
, ,				onics engineering/Nov%202019 merged compressed.
				pdf
Image Processing and Pattern	ELL808	Image enhancement and classifiaction	2018	https://web.mitsgwalior.in/images/Departments/electr
Recognition				onics engineering/Nov%202019 merged compressed.
				pdf
Nanotechnology	ELL809	Apply engineering and physics concepts to the nano-	2018	https://web.mitsgwalior.in/images/Departments/electr
, ,		scale and non-continuum domain		onics engineering/Nov%202019 merged compressed.
				pdf
Biomedical Instrumentation	ELL810	Biomedical system analysis	2020	https://web.mitsgwalior.in/images/Departments/electr
		, ,		onics engineering/Nov%202019 merged compressed.
				pdf
Major Project-II	ELL805	Practical live project	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				pdf
				<u>In-art.</u>

Major Project-II	8445	Practical live project	2020	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Nov%202019 merged compressed.
				pdf
				https://web.mitsgwalior.in/images/Departments/electr
		Formulate general mechanics parameters and	2017	onics engineering/Nov%202019 merged compressed.
Engineering Physics	100201	distinguish between central and noncentral forces.		pdf
				https://web.mitsgwalior.in/images/Departments/electr
		To study an environment and ecosystem, To study	2017	onics engineering/Nov%202019 merged compressed.
Energy, Environment, Ecology & Society	100202	natural resources		pdf
				https://web.mitsgwalior.in/images/Departments/electr
		An ability to design, implement, and evaluate a	2017	onics engineering/Nov%202019 merged compressed.
Basic Computer Engineering	100203	computer-based system, process, components		pdf
				https://web.mitsgwalior.in/images/Departments/electr
		To implement English vocabulary at command and	2017	onics engineering/Nov%202019 merged compressed.
Language Lab. & Seminars	100206	ensure language proficiency		pdf
		Different numerical methods and equations		https://web.mitsgwalior.in/images/Departments/electr
		·	2017	onics engineering/Nov%202019 merged compressed.
Engineering Mathematics-II	100001			pdf
				https://web.mitsgwalior.in/images/Departments/electr
		Biological engineering	2019	onics engineering/Nov%202019 merged compressed.
Biology for Engineers (Audit Course)	100002			pdf
Electronics-I	140301	Deep knowledge in Core Electronic components		https://web.mitsgwalior.in/images/Departments/electr
		required in hardware technology	2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Electronics-I	200301	Deep knowledge in Core Electronic components		https://web.mitsgwalior.in/images/Departments/electr
		required in hardware technology	2017	onics engineering/April%202018%201 merged compr
				essed.pdf
		develop skills and confidence to conceive and		https://web.mitsgwalior.in/images/Departments/electr
		implement a complex digital system	2017	onics engineering/April%202018%201 merged compr
Digital Circuits and Systems	140302			essed.pdf
		develop skills and confidence to conceive and		https://web.mitsgwalior.in/images/Departments/electr
		implement a complex digital system	2017	onics engineering/April%202018%201 merged compr
Digital Circuits and Systems	200302			essed.pdf
		apply the knowledge of basic circuital law and simplify		https://web.mitsgwalior.in/images/Departments/electr
		the network using reduction techniques	2017	onics engineering/April%202018%201 merged compr
Network Theory	140303			essed.pdf
·		apply the knowledge of basic circuital law and simplify		https://web.mitsgwalior.in/images/Departments/electr
		the network using reduction techniques	2017	onics engineering/April%202018%201 merged compr
Network Theory	200303			essed.pdf
1				

				https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
Signals and Systems	140304	Fourier Transform, Signal analysis		essed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
Signals and Systems	200304	Fourier Transform, Signal analysis		essed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
Software Lab Introduction to MATLAB	140305	MATLAB for industry		essed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
Software Lab Introduction to MATLAB	200305	MATLAB for industry		essed.pdf
Principles of Management & Economics	BELL501	Explore the appropriate methods to initiate, plan,		https://web.mitsgwalior.in/images/Departments/electr
		execute, control and close projects	2017	onics_engineering/April%202018%201_merged_compr
				<u>essed.pdf</u>
Principles of Management & Economics	BETL501	Explore the appropriate methods to initiate, plan,		https://web.mitsgwalior.in/images/Departments/electr
		execute, control and close projects	2017	onics_engineering/April%202018%201_merged_compr
				essed.pdf
Microprocessors & Interfacing	BELL502	To develop assembly		https://web.mitsgwalior.in/images/Departments/electr
		language programming skills	2017	onics_engineering/April%202018%201_merged_compr
				essed.pdf
Microprocessors & Interfacing	BETL502	To develop assembly		https://web.mitsgwalior.in/images/Departments/electr
		language programming skills	2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Electromagnetic Fields	BELL503	Introduces electromagnetic concepts to the		https://web.mitsgwalior.in/images/Departments/electr
		performance of	2017	onics engineering/April%202018%201 merged compr
		devices, circuits, and systems.		<u>essed.pdf</u>
Electromagnetic Fields	BETL503	Introduces electromagnetic concepts to the		https://web.mitsgwalior.in/images/Departments/electr
		performance of	2017	onics engineering/April%202018%201 merged compr
		devices, circuits, and systems.		<u>essed.pdf</u>
Optimization Techniques	BETL509	Create different optimization techniques		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Optimization Techniques	BELL509	Create different optimization techniques		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Renewable Energy Resources	BETL510	Environment energy resources analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>

Renewable Energy Resources	BELL510	Environment energy resources analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Mechatronics	BELL511	Principles of mechanics		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Mechatronics	BETL511	Principles of mechanics		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Linear Control Theory	BELL504	Control systems		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Linear Control Theory	BETL504	Control systems		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics_engineering/April%202018%201_merged_compr
				<u>essed.pdf</u>
Digital Communication	BELL505	Communication techniques for industry		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics_engineering/April%202018%201_merged_compr
				<u>essed.pdf</u>
Digital Communication	BETL505	Communication techniques for industry		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics_engineering/April%202018%201_merged_compr
				<u>essed.pdf</u>
Electronics Workshop	BELP506	PCB design analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Electronics Workshop	BETL506	PCB design analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Advanced Control System	7441	Control systems and realiztion techniques		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Advanced Control System	BELL701	Control systems and realiztion techniques		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Advanced Control System	BETL701	Control systems and realiztion techniques		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Microwave Engineering	7442			https://web.mitsgwalior.in/images/Departments/electr
		An understanding of microwave waveguides, passive	2017	onics engineering/April%202018%201 merged compr
		& active devices		<u>essed.pdf</u>

Microwave Engineering	BELL702			https://web.mitsgwalior.in/images/Departments/electr
		An understanding of microwave waveguides, passive	2017	onics engineering/April%202018%201 merged compr
		& active devices		essed.pdf
Microwave Engineering	BETL702			https://web.mitsgwalior.in/images/Departments/electr
		An understanding of microwave waveguides, passive	2017	onics engineering/April%202018%201 merged compr
		& active devices		essed.pdf
Cellular & Mobile Communication	7443	Wireless communication		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Cellular & Mobile Communication	BELL703	Wireless communication		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Cellular & Mobile Communication	BETL703	Wireless communication		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
VLSI Design	7444	Vlsi design, SOC design analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
VLSI Design	BELL704	Vlsi design, SOC design analysis		https://web.mitsgwalior.in/images/Departments/electr
1 = 0. = 0.00			2017	onics engineering/April%202018%201 merged compr
			2017	essed.pdf
VLSI Design	BETL704	Vlsi design, SOC design analysis		https://web.mitsgwalior.in/images/Departments/electr
1			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
ATM Networks	ELL705	Operation of ATM networks		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
ATM Networks	BETL705	Operation of ATM networks		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Selected Topics in Communication	ELL709	Advance communication analysis		https://web.mitsgwalior.in/images/Departments/electr
		,	2017	onics engineering/April%202018%201 merged compr
			2017	essed.pdf
Selected Topics in Communication	BETL709	Advance communication analysis		https://web.mitsgwalior.in/images/Departments/electr
		, , , , , , , , , , , , , , , , , , , ,	2017	onics engineering/April%202018%201 merged compr
			2017	essed.pdf
CMOS Technology	ELL710	SOC design		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
			201,	essed.pdf
			<u> </u>	cooca, par

CMOS Technology	BETL710	SOC design		https://web.mitsgwalior.in/images/Departments/electr
Civios reciliology	BEIL/10	SOC design	2017	
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Data Mining and Warehousing	ELL711	Data analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Data Mining and Warehousing	BETL711	Data analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Major Project - I	BELP 706	Integration of knowledge and skills from various areas		https://web.mitsgwalior.in/images/Departments/electr
			2019	onics engineering/April%202018%201 merged compr
				essed.pdf
Artificial Intelligence & Expert	BITL 701	The course introduces the variety of concepts in	2014	https://web.mitsgwalior.in/images/Departments/infor
Systems		the field of artificial intelligence and expert		mation technology/BoS/BoS%20Proceedings/2.%20BoS
'		systems. It discusses the philosophy of AI, and		%20PROCEEDING%20MEETING%20HELD%20ON%2007
		how to model a new problem as an AI problem.		%20APRIL%202018.pdf
		It describes a variety of models such as search,		
		logic, Bayes nets, and MDPs, which can be used		
		to model a new problem. It also teaches many		
		first algorithms to solve each formulation. The		
		course prepares a student to take a variety of		
		focused, advanced courses in various subfields		
		of Al.		
IT Infrastructure Management	BITL 703	This course attempts to introduce students to	2015	https://web.mitsgwalior.in/images/Departments/infor
		'real world' risks and challenges in managing		mation technology/BoS/BoS%20Proceedings/2.%20BoS
		infrastructure.		%20PROCEEDING%20MEETING%20HELD%20ON%2007
				%20APRIL%202018.pdf
Adhoc Network	BITL 704	Students will learn about a variety of	2015	https://web.mitsgwalior.in/images/Departments/infor
, tande receivers	5112701	applications in both the military and the civilian	2013	mation technology/BoS/BoS%20Proceedings/2.%20BoS
		population worldwide such as in cases of enemy		%20PROCEEDING%20MEETING%20HELD%20ON%2007
		intrusion in the battlefield, object tracking,		%20APRIL%202018.pdf
		habitat monitoring, patient monitoring, fire		7020AF NIL70202018.pu1
		detection and so on, where Ad-hoc networks are		
		useful.		
E-Commerce	BITL 705	Foundations of E-Business systems,	2015	https://web.mitsgwalior.in/images/Departments/infor
		Infrastructure, Functional Areas, Decision		mation technology/BoS/BoS%20Proceedings/2.%20BoS
		Support for E-Business Systems		%20PROCEEDING%20MEETING%20HELD%20ON%2007
				%20APRIL%202018.pdf
				/

Natural Language Processing	BITL 710	The course covers some of the most interesting applications of text mining such as entity linking, relation extraction, text summarization, text classification, sentiment analysis and opinion	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
		mining.		
Software Engineering and Quality Assurance	BITL 711	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Agile Methodology	BITL 712	management process.  This course will explain underpinning philosophy and principles of Agile, lifecycle of an Agile project, including alternative configurations. The products produced during an Agile project and the purpose of these. The techniques used and their benefits and limitations. The roles and responsibilities within an Agile project. The Agile Project Management process can enable planning, management and control for predictable Agile project deliveries.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Discrete Structures	160501	Graph theory, Mathematical Modeling, solution of recurrence relation	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Software Engineering	160502	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Software Engineering	160412	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Theory of Computation  Microprocessor & Interfacing	160503	This course deals with concepts of TOC, which includes about finite autometa, regular grammer, context free grammer, CSL and turing machine. That course makes student to employable and also develop skill to solve different kind of newmerical problem those include in competative examinations.  Understanding of different processors and basic	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf  https://web.mitsgwalior.in/images/Departments/infor
iviicroprocessor & interracing	160504	architecture of 16 bit microprocessors and basic architecture of 16 bit microprocessor and their interfacing with memory and I/O devices, understanding of microcontrollers. Designing of systems using microprocessor and microcontroller.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Digital Electronics	160301	This is a comprehensive course on digital electronics training. The goal of the course is to learn the digital format of data and codes. It will assist students in understanding Number Systems, Numeric Codes, Logic Gates, Combinational Circuits, Sequential Circuits etc. for digital circuit-based applications.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Digital Electronics	160213	This is a comprehensive course on digital electronics training. The goal of the course is to learn the digital format of data and codes. It will assist students in understanding Number Systems, Numeric Codes, Logic Gates, Combinational Circuits, Sequential Circuits etc. for digital circuit-based applications.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Data Structures	160302	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Data Structures	160211	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Computer Graphics & Multimedia	160303	This course would be focused on the basic concepts of computer graphics techniques and display devices, to enhance the proficiency in image representations, 2D and 3D graphics transformations. Brief overview to develop awareness with various illumination, color models and multimedia system.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Computer Graphics & Multimedia	160411	This course would be focused on the basic concepts of computer graphics techniques and display devices, to enhance the proficiency in image representations, 2D and 3D graphics transformations. Brief overview to develop awareness with various illumination, color models and multimedia system.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Object Oriented Programming & Methodology	160304	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Object Oriented Programming & Methodology	160212	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Hardware Lab	160305	Working of Hardware and sofware components of computer and other peripherals.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Image Processing	BITL801	The intent of this course is to familiarize the students to explain the fundamental concepts/issues of Computer Vision and Image Processing, and major approaches that address them. This course provides an introduction to computer vision including image acquisition and image formation models, radiometric models of image formation, image formation in the camera, image processing concepts, concept of feature extraction and selection for pattern classification/recognition, and advanced concepts like motion estimation and tracking, image classification, scene understanding, object classification and tracking, image fusion, and image registration, etc.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Data Warehouse & Data Mining	BITL802	The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Neural Networks & Fuzzy Systems	BITL803	This course will start with a brief introduction to fuzzy sets. The differences between fuzzy sets and crisp sets will be identified. Various terms used in the fuzzy sets and the grammar of fuzzy sets will be discussed. Fundamentals of neural networks and various learning methods will then be discussed.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Internet of Things and Applications	BITL804	This course will cover different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Compiler Design	160601	This course deals with concepts of COmpile design, which includes lexical analyzer, syntax analyzer, sementics, ICG, code optimization and code ganeration. That course makes student to employable and also develop skill to solve different kind of newmerical problem those include in competative examinations.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/4.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2009%20APRIL%202019%201.pdf
Computer Networks	160602	This course would be focused on the basic concepts of computer network and its types, concepts of communication using different types of layes. Brief overview of Presentation, Session & Application Layer	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/4.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2009%20APRIL%202019%201.pdf
Network & Web Security	160611	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/4.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2009%20APRIL%202019%201.pdf
Image Processing	160612	The intent of this course is to familiarize the students to explain the fundamental concepts/issues of Computer Vision and Image Processing, and major approaches that address them. This course provides an introduction to computer vision including image acquisition and image formation models, radiometric models of image formation, image formation in the camera, image processing concepts, concept of feature extraction and selection for pattern classification/recognition, and advanced concepts like motion estimation and tracking, image classification, scene understanding, object classification and tracking, image fusion, and image registration, etc.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/4.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2009%20APRIL%202019%201.pdf

Agile Methodology	160613	This course will explain underpinning philosophy and principles of Agile, lifecycle of an Agile project, including alternative configurations. The products produced during an Agile project and the purpose of these. The techniques used and their benefits and limitations. The roles and responsibilities within an Agile project. The Agile Project Management process can enable planning, management and control for predictable Agile project deliveries.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/4.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2009%20APRIL%202019%201.pdf
Data Analytics with Python	160651	Analysis on Real Data Set	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/4.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2009%20APRIL%202019%201.pdf
Introduction to Machine Learning	160652	The course introduces the variety of concepts in the field of Machine learning. It discusses the introduction of ML, and how to model a new problem as an ML problem. It describes a variety of models such as linear regression, logistic regression, and clustering methods etc. which can be used to model a new problem. It also teaches many algorithms to solve each formulation.	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/4.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2009%20APRIL%202019%201.pdf
Cloud Computing	160653	Clouds, Virtualization and Virtual Machine, Consensus, Paxos and Recovery in Clouds, Cloud Storage, P2P Systems and their use in Industry Systems	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/4.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2009%20APRIL%202019%201.pdf
Cloud Computing	160614	Clouds, Virtualization and Virtual Machine, Consensus, Paxos and Recovery in Clouds, Cloud Storage, P2P Systems and their use in Industry Systems	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/4.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2009%20APRIL%202019%201.pdf
Data Structures	900106	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf

Python Programming	900107	Design and development of efficient softwares	2020	https://web.mitsgwalior.in/images/Departments/infor
,		using python programming that can solve the		mation technology/BoS/BoS%20Proceedings/5.%20BoS
		problem related to different domains.		%20PROCEEDING%20MEETING%20HELD%20ON%2023
		ľ		%20NOVEMBER%202019.pdf
Software Engineering	900108	This course would be focused on the basic	2017	https://web.mitsgwalior.in/images/Departments/infor
		concepts of To understand the nature of		mation technology/BoS/BoS%20Proceedings/5.%20BoS
		software development and software life cycle		%20PROCEEDING%20MEETING%20HELD%20ON%2023
		process models,		%20NOVEMBER%202019.pdf
		agile software development, SCRUM and other		
		agile practices. Brief overview To understand		
		project management and risk management		
		associated with various types of		
		projects, to know basics of testing and		
		understanding concept of software quality		
		assurance and software configuration		
		management process.		
Design & Analysis of Algorithms	160401	It provides the fundametal concepts of	2014	https://web.mitsgwalior.in/images/Departments/infor
		Algorithms design and its analysis in terms of		mation_technology/BoS/BoS%20Proceedings/5.%20BoS
		time and space complextiy. It also teaches		%20PROCEEDING%20MEETING%20HELD%20ON%2023
		popular problem of the computer science with		%20NOVEMBER%202019.pdf
		the help of concept development and coding		
Database Management System	160402	It is a collection of concept that enables the	2014	https://web.mitsgwalior.in/images/Departments/infor
,		students to create and maintain a database.		mation technology/BoS/BoS%20Proceedings/5.%20BoS
		It provide the fundamental teminalogy to		%20PROCEEDING%20MEETING%20HELD%20ON%2023
		develop the full-fledge databases and it		%20NOVEMBER%202019.pdf
		applicabity in the different domains.		
Operating System	160403	It explains the concepts of interface working the	2014	https://web.mitsgwalior.in/images/Departments/infor
		computers in broader way. It gives the internal		mation technology/BoS/BoS%20Proceedings/5.%20BoS
		workings of the operating system in the		%20PROCEEDING%20MEETING%20HELD%20ON%2023
		conceptual manner.		%20NOVEMBER%202019.pdf

Computer System Organization	160404	This course is concerned with the structure and behavior of a computer system as observed by the user. It serves as the link between hardware and software. It is involved with the elements of system interconnection. It enables students to design, create, and deploy applications that are better, quicker, cheaper, and more efficient in order to make informed decisions.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Programming Lab	160405	Design and development of efficient softwares using programming that can solve the problem related to different domains.	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Programming Lab	160414	Design and development of efficient softwares using programming that can solve the problem related to different domains.	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Polymer Technology	BCHL603	Application of Polymer by using Technolgy	2017	http://103.25.130.79/~mitsgwalior/images/Department s/chemical_engineering/NAAC%20FILE%2016.12.22/1% 20JULy%202019%20BOS_merged_compressed.pdf
Energy Technology	BCHL606	Utilization of energy by using Technolgy	2017	http://103.25.130.79/~mitsgwalior/images/Department s/chemical_engineering/NAAC%20FILE%2016.12.22/1% 20JULy%202019%20BOS_merged_compressed.pdf
Process Engineering & Costing	BCHL701	Cost index capatalized cost	2017	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2019-20%20Employbility compressed.pdf
Chemical Reaction EnggII	BCHL702	Reactors and flow analysis	2017	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2019-20%20Employbility_compressed.pdf
Transport Phenomena	BCHL703	Couette flow,eflux from circular cone bottom	2017	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2019- 20%20Employbility compressed.pdf

Optimization Techniques	BCHL705	Application of optimization techniques to chemical processes	2017	http://103.25.130.79/~mitsgwalior/images/Department s/chemical engineering/NAAC%20FILE%2016.12.22/1% 20JULy%202019%20BOS merged compressed.pdf
Elective-III Multiphase Flow	BCHL706	Simultaneous flow of multiphase through porous media	2017	http://103.25.130.79/~mitsgwalior/images/Department s/chemical_engineering/NAAC%20FILE%2016.12.22/1% 20JULy%202019%20BOS_merged_compressed.pdf
Bio Process Technology	BCHL801	Biorectors, enzyme kinetics	2017	
Membrane Seperation Process	BCHL802	Utilization of membrane in different filteration process	2017	http://103.25.130.79/~mitsgwalior/images/Department s/chemical engineering/NAAC%20FILE%2016.12.22/1% 20JULy%202019%20BOS merged compressed.pdf
Elective-V Process Safety & Hazards Management	BCHL803	Fall Tree analysis, event tree analysis	2017	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2019-20%20Employbility compressed.pdf
Elective -VI Envioronmental Engineering	BCHL804	Solid, Liquid waste disposal	2017	https://web.mitsgwalior.in/images/Departments/chemical_engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2019-20%20Employbility_compressed.pdf
Environmental Engg. Lab	BCHP806	Proximate ultimate analysis	2017	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2019-20%20Employbility compressed.pdf
Organic Process Technology	170302	Synthesis of oils	2017	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2019-20%20Employbility compressed.pdf
Fluid Mechanics	170303	Pumps, flowmeters and valve	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2019-20%20Employbility_compressed.pdf
Material & Energy Balance	170304	Combustion calculation	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2019-20%20Employbility compressed.pdf

	170305	Particales size reduction and screen analysis		https://web.mitsgwalior.in/images/Departments/chemi
	270000	,,,,,,,,,,,,		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
	2016	2016	teria%201%20updated/2019-	
Fluid Particle Mechanics				20%20Employbility compressed.pdf
		Synthesis of different chemicals		https://web.mitsgwalior.in/images/Departments/chemi
			2010	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2018	teria%201%20updated/2019-
Chemical Synthesis Lab	170306			20%20Employbility_compressed.pdf
Heat Transfer	170402		2016	https://web.mitsgwalior.in/images/Departments/chemi
		Lumped parameter for distributed heat transfer		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		equipments		teria%201%20updated/2019-
				20%20Employbility compressed.pdf
Mass Transfer –I	170403		2016	https://web.mitsgwalior.in/images/Departments/chemi
		Drying of wet solids, Crystalization		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Drying of wet solids, Crystalization		<u>teria%201%20updated/2019-</u>
				20%20Employbility compressed.pdf
Instrumentation & Process Control	170404	PID Controllers, Stablity analysis of process	2019	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				<u>teria%201%20updated/2019-</u>
				20%20Employbility_compressed.pdf
Mechanical Design of Process	170405		2016	https://web.mitsgwalior.in/images/Departments/chemi
Equipment		Design of head and closures		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Design of field and closures		teria%201%20updated/2019-
				20%20Employbility compressed.pdf
			2019	https://web.mitsgwalior.in/images/Departments/chemi
		Flow controllers, level control		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		riow controllers, level control		teria%201%20updated/2019-
Process Control Lab	170407			20%20Employbility compressed.pdf
Chemical Engineering	170501	Ideal and non ideal mixer and solutions		https://web.mitsgwalior.in/images/Departments/chemi
Thermodynamics			2016	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2010	teria%201%20updated/2019-
				20%20Employbility_compressed.pdf
	170502			https://web.mitsgwalior.in/images/Departments/chemi
		Drying of wet solids, Evaporation	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		5.7.1.5 o. wee solids, Evaporation	2017	teria%201%20updated/2019-
Mass Transfer –II				20%20Employbility compressed.pdf

	170503	Reactors and flow analysis		https://web.mitsgwalior.in/images/Departments/chemi
			2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
Chemical Reaction Engineering – I			2017	teria%201%20updated/2019-
				20%20Employbility compressed.pdf
Computational Methods in	170504	Optimization of chemical processes		https://web.mitsgwalior.in/images/Departments/chemi
Chemical Engg			2017	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
			2017	teria%201%20updated/2019-
				20%20Employbility_compressed.pdf
Inorganic Process Technology	170505			https://web.mitsgwalior.in/images/Departments/chemi
		Compatingly stay Dula and paper industry	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Cement industry, Pulp and paper industry	2017	teria%201%20updated/2019-
				20%20Employbility compressed.pdf
			2017	https://web.mitsgwalior.in/images/Departments/chemi
		Modelling of reactors, heat exchangers		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		ivioueiling of reactors, fleat exchangers		teria%201%20updated/2019-
Process Modeling & Simulation	170602			20%20Employbility compressed.pdf
Fluidization Engineering	170612		2017	https://web.mitsgwalior.in/images/Departments/chemi
		Application of fluid action Tachnique matheds		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Application of fluidzation Technique methods		teria%201%20updated/2019-
				20%20Employbility_compressed.pdf
Polymer Technology	170614		2017	https://web.mitsgwalior.in/images/Departments/chemi
		Enougracias amulsian nalumarization		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Epoxy resins, emulsion polymerization		teria%201%20updated/2019-
				20%20Employbility compressed.pdf
Chemical Rection Engineering –II	170651	Reactors and flow analysis	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2019-
				20%20Employbility compressed.pdf
Multiphase Flow	170652		2020	https://web.mitsgwalior.in/images/Departments/chemi
		Simultaneous flow of multiphase through porous		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		media		teria%201%20updated/2019-
				20%20Employbility_compressed.pdf
Membrane Technology	170653		2020	https://web.mitsgwalior.in/images/Departments/chemi
		Utilization of membrane by using different		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Technology		teria%201%20updated/2019-
				20%20Employbility compressed.pdf

	900109		2020	https://web.mitsgwalior.in/images/Departments/chemi
		Cmbution calculation, solid briqueting		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				<u>teria%201%20updated/2019-</u>
Fuels & Combustion				20%20Employbility compressed.pdf
	900110		2020	https://web.mitsgwalior.in/images/Departments/chemi
		collidoal effect nano particals and its application		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		The second secon		<u>teria%201%20updated/2019-</u>
Nano Technology				20%20Employbility_compressed.pdf
		Image Processing Systems, Image Enhancement		
		in spatial Domain, Image Enhancement in		https://web.mitsgwalior.in/images/Departments/Comp
Image Processing	BCSL 801	Frequency Domain, Image Restoration,	2018	uter-Science/BOS/07%20APRIL%202018.pdf
		Morphological Image Processing, Image		
		Registration, Image Segmentation		
		Data Mining, Data Warehouse and OLTP		
		Technology for Data Mining, Data Pre-		https://web.mitsgwalior.in/images/Departments/Comp
Data Warehouse and Data Minning	BCSL 802	processing, Mining Association Rules in Large	2018	uter-Science/BOS/07%20APRIL%202018.pdf
		Databases, Classification & Predication and		<u></u>
		Cluster Analysis		
Neural Networks & Fuzzy Systems	BCSL 803	Workshop on Recent Trends in AI, Deep Learning	2018	https://web.mitsgwalior.in/images/Departments/Comp
real at the trother a tracely systems	2002 000	and Its Application		uter-Science/BOS/07%20APRIL%202018.pdf
		loT Introduction and Fundamentals, Basics of		
Internet of Things and Application	BCSL 804	Networking, IOT PROTOCOLS, components,	2018	https://web.mitsgwalior.in/images/Departments/Comp
The control of the same of the		Sensor Networks, Interoperability in IoT, Cloud	2010	uter-Science/BOS/07%20APRIL%202018.pdf
		Computing in IoT, Applications of IoT		
		To develop ability to identify, formulate, and		
Major Project-II	BCSD 805	solve engineering problems by applying	2018	https://web.mitsgwalior.in/images/Departments/Comp
	2002 000	principles of engineering, science, and		uter-Science/BOS/07%20APRIL%202018.pdf
		mathematics		
Artificial Intelligence and Expert	BCSL 701	Workshop on Recent Trends in AI, Deep Learning	2018	https://web.mitsgwalior.in/images/Departments/Comp
Systems	DC3L 701	and Its Application		uter-Science/BOS/07%20APRIL%202018.pdf
		Distributed Computing Model, Distributed Share		
Distributed Systems	BCSL 702	Memory, Distributed File System, Inter Process	2017	https://web.mitsgwalior.in/images/Departments/Comp
Distributed Systems	BC3L 702	Communication and Synchronization,	2017	uter-Science/BOS/07%20APRIL%202018.pdf
		Distributed Scheduling and Deadlock		
		( Noted by syllabus): Digital Forensics Concepts,		
		Legal Considerations and search authority,		https://web.mitsgwalior.in/images/Departments/Comp
Digital Forensics	BCSL 703	Recognizing and Collecting Digital Evidence,	2018	uter-Science/BOS/07%20APRIL%202018.pdf
		Hash values and file hashing, Network Basics		<u>uter 30161166/3003/07/020/01 11112/0202010.pur</u>
		That raises and the hashing, receiver busies		

Adhoc Networks	BCSL 704	Online National Conference on Advances in Information and Communication Technology(NCAICT 2020)	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
E-Commerce	BCSL 705	E-commerce and its Technological Aspects, Consumer Oriented E Commerce, Electronic Data Interchange, Security in E Commerce, Issues in E Commerce	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Grid Computing	BCSL 709	Grid Architecture, Open Grid Service Architecture (OGSA), WSRF and Data Grids, Networking Infrastructure, Protocols and Quality of Service, Security, Accounting and Assurance, Grid Scheduling, Resource Management, Resource Brokers, Resource Reservations	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Natural Language Processing	BCSL 710	NLP tasks in syntax, semantics, and pragmatics, The role of language models, Lexical syntax. Hidden Markov Models, Basic Neural Networks, LSTM Recurrent Neural Networks, Syntactic parsing, Semantic Analysis	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Software Testing and Quality Assurance	BCSL 711	Software Structure and Software Testing, Testing Tactics, Testing & Levels, Special Tests, Test Planning	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Compiler Design	150601	Translation Process, Lexical Analysis, Syntax Analysis, Semantic Analysis, Code Generation and Code Optimization	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Computer Networks	150602	Networking Protocols, OSI Reference Model & TCP/IP Reference Model	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Network and Web Security (DE)	150611	Security Principles, Cryptography, Hash Functions, IP & Web Security, Phishing	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Image Processing (DE)	150612	Image Processing Systems, Image Enhancement in spatial Domain, Image Enhancement in Frequency Domain, Image Restoration, Morphological Image Processing, Image Registration, Image Segmentation	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf

Mobile Computing (DE)	150613	Personal Communication Services(PCS), General Packet Radio Services(GPRS), Wireless Application Protocol(WAP), Third Generation (3G) Mobile Services, Wireless Local Loop (WLL)	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Data Analytics with Python (DE*)	150651	Online National workshop on "Data Sciences: Techniques and Tools" under TEQIP III	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Introduction to Machine Learning (DE*)	150652	(nptel) Learning, ML model, Model Selection, Model optimization and Evaluation, Supervised Machine Learning, Ensemble Learner, Unsupervised Machine Learning	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Cloud Computing (DE*)	150653	Cloud Computing Architecture, Service Management, Data Management, Resource Management, Cloud Security	2017	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Minor Project-II	150606	To develop ability to identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics	2019	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/5.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2023%20NOVEMBER%202019.pdf
Ethics, Economics , Entrepreneurship & Management	100005	Ethics, Communication, Management, ENTREPRENEURSHIP	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Discrete Structures	150501	Sets, Functions, Propositional logic, Graph Theory, Group Theory	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/9th%20April%202019.pdf
Software Engineering	150502	Requirement Engineering, Software Metrics, Project Management and Estimation, Software Testing	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/9th%20April%202019.pdf
Theory of Computation	150503	Automata, Computability and Complexity, Push down Automata, Turing Machine, Decidability	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/9th%20April%202019.pdf
Microprocessor & Interfacing	150504	Microprocessors (8086), Basic Peripherals and Interfacing, Special Purpose Programmable Peripheral Devices and Interfacing, Serial and Parallel Data Transfer, Microcontrollers	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/9th%20April%202019.pdf

Minor Project-l	150505	In this course the students apply the programming knowledge into a real- world situation/problem and exposed the students how programming skills helps in developing a good engineer	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/9th%20April%202019.pdf
Summer interenship Project- II(Evaluation)	150506	The primary purpose of doing an academic internship is to better understand the theories, ideas, and practices of your discipline or major by actively engaging in a "hands-on," workbased, learning experience.	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/9th%20April%202019.pdf
Self Learning/ Preseantation(SWAYAM/ NPTEL/MOOC)	150507	Self Learning through MOOC courses	2019	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/9th%20April%202019.pdf
Design and Analysis of Algorithms	150401	Algorithms and its importance, Algorithm Design Methods (Divide and Conquer Method, Greedy Method, Dynamic Programming, Backtracking), Algorithm Analysis	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Database Management System	150402	SQL, Normalization, Transaction Processing & Concurrency Control	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Operating System	150403	Basics of operating systems, Process management, Memory management, Storage management	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Computer System Organization	150404	Central Processing Unit (CPU), Computer Arithmetic, Microprocessors, Input-Output Organization, Memory Organization	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Programming Lab	150405	Setting up programming environment, running python programs from a terminal, Python: basics, functions, loops, Object oriented concepts, and working with libraries	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Digital Electronics	150301	Number System, Boolean Algebra, Boolean Functions, Boolean Relations, Digital Logic Gates, Combinational Circuits, Sequential Circuits, Memory Decoding, Sequential Programmable Devices	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Data Structures	150302	Algorithms, Arrya, Linked List, Stack, Queue, Graph, Tree, Searching and Sorting	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf

Computer Graphics	150303	Interactive Computer Graphics, Scan Conversion Technique, 2D & 3D Transformations, Clipping	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Object Oriented Programming and Methodology	150304	Object Oriented Concepts, Programming Techniques, Classes & Objects, Constructors and Destructors, Polymorphism, Inheritance, Pointer & File Concept	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Hardware lab	150305	Hardware components, Connections, Buses, Memory Devices, Microprocessor, Input/Output Devices, Networking, Troubleshooting	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Self Learning/ Presentation(SWAYAM/ NPTEL/MOOC)	150306	Self Learning through MOOC courses	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Summer Internship Project-I	150307	In house internship, Evaluation based on Project work and performance	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Dissertation Part-II	620401	The dissertation gives the chance to explore a topic of interest in depth; it gives you practice in essential writing skills; and it should sharpen your capacity for analysis and posing questions.	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Image Processing and Retrieval Techniques	620301	Denoising with different noise models, deblurring with different models, Reflection removal, Image-based forensics, mage compression,	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Network Security	620302	Attacks, Services and Mechanisms, Security Attacks, Security Services, Integrity check, digital Signature, authentication, hash algorithms, Secret Key Cryptography, Hash Functions and Message Digests, Public key Cryptography, Authentication	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Seminar	620303	Seminar Based evaluation	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Dissertation Part-I	620304	A dissertation is a long-form piece of academic writing based on original research conducted by students	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Advance Database Management System	620201	Overview of storage and indexing, Hash Based Indexing, Query Optimization, Object Databases, Distributed Databases	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf

Soft Computing	620202	Fuzzy logic and its applications, Artificial neural networks and its applications, optimization problmes solving, Soloving multi-objectiove optimization problerms, Applications of Soft computing	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Advance Algorithms and Design	620203	Algorithms Analysis, Asymptotic Notations, Algorithm Design Techniques, Divide And Conquer, Greedy Algorithms, Combinational Search and Optimization, Dynamic Programming, NP - Completeness	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Advance Topics in Data Mining & Warehousing	620204	Online National workshop on "Data Sciences: Techniques and Tools" under TEQIP III	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Adhoc & Sensor Based Networks	620205	MAC & ROUTING IN AD HOC NETWORKS, TRANSPORT & QOS IN AD HOC NETWORKS, MAC & ROUTING IN WIRELESS SENSOR NETWORKS, SECURITY IN AD HOC AND SENSOR NETWORKS	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-I	620206	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-II	620207	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Theoritical Foundation of Computer Science	620101	Sets, relations, equivalence relations, partial orders, functions, Propositional logic, predicate logic, Lambda notation for functions, Tree Structures, Graph structures,	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Distributed System	620102	Distributed Systems: Characterization of Distributed Systems, Distributed Architectural Models, Remote Invocation, security techniques, Mutual Exclusion Algorithms, distributed deadlock detection algorithms, Authentication in distributed systems	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Advanced Computer Architecture	620103	Processor Design Concepts, Instruction Pipeline Principles, Pipeline Scheduling Techniques, Superscalar Processing, Cache Memory Principles, Cache Memory Optimizations, Primary and Secondary Storage Systems	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf

Advanced Computer Networks	620104	Layered communication architecture, Advanced Routing algorithms, Network Congestion Control algorithms, Quality of service, Real Time Transport Protocol, Internetworking, Wireless Networks and Mobile Networks, Mobile IP, Mobile TCP, IP Security	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Mobile Computing &M-Commerce	620105	overview of wireless telephony: cellular concept, GSM, channel structure, location management: HLR-VLR, hierarchical, handoffs, channel allocation in cellular systems, CDMA, GPRS. Wireless Networking, Data management, Mobile Agents computing	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-I	620106	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-II	620107	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
SAD and Software Engineering	680101	Discover what the business is trying to do to reach its objectives by addressing specific problems or opportunities	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch compressed.pdf
Mathematical Foundation of Computer Science	680102	Apply the concepts of mathematics to the suitable technique for relevant industries and contribution to the society	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Programming and Problem Solving in C	680103	Use the techniques, skills and modern tools like new GUI etc necessary for program development	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Computer Organization and Assembly Language Programming	680104	Write Assembly language programs.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Communication Skills	680105	Implement professional work habits necessary for effective collaboration and cooperation with others	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch compressed.pdf
Programming Laboratory in C	680106	Design an algorithm solution for a given problem	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch compressed.pdf
Assembly Language Programming Lab	680107	Write the code to access registers and retrieve the memory address of pointers and values.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf

Multimedia Systems	680201	Develop multimedia virtual reality application using some author-ware.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Computer Graphics	680202	Demonstrate their ability to use modern 3D computer graphics techniques, models, and algorithms to solve graphics problems.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Data Structure	680203	Analyze different data structures technique and pick an appropriate data structure for a design situation.	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Computer Oriented Numerical & Statistical Methods	680204	Applying the concepts of the studied topics to the suitable technique for relevant industries and contribution to the society	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/MCA%20BOS/6-10-2018%20for%202019%20batch_compressed.pdf
Accounting & Management Control	680205	Develop a broad understanding of journal, ledger, cash book and financial statements of a business organization	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Data Structure Programming Lab	680206	Execute appropriate sorting/searching technique for given problem.	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/MCA%20BOS/6-10-2018%20for%202019%20batch_compressed.pdf
Programming Lab in Computer Graphics	680207	Design and implement models of surfaces, lights, sounds, and textures (with texture transformations) using a 3D graphics API.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Computer Oriented Optimization	680301	Evaluate and Implement suitable techniques relevant for industries and contribute to the society.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Operating System	680302	Apply the various resource management techniques for distributed systems	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Object Oriented Methodology & C++	680303	Design the solution for societal beneficiary problems using C++ features and the Standard Template Library	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Database Management System	680304	Analyze an information storage problem and derive an information model expressed in the form of an entity relation diagram and other optional analysis forms, such as a data dictionary, file and page organizations, indexing methods including B tree, and hashing.	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf

Managerial Economics	680305	Develop an understanding of professional and ethical responsibilities so as to analyze and solve contemporary issue	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Minor Project-I(VB+MySqI)	680306	Construct database application system solutions to a broad range of query problems.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
C++ Programming Lab	680307	Design the classes and constructs for real time software as per societal needs.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Theory of Computation	680401	Demonstrate key notions, such as algorithm, computability, decidability, and complexity through problem solving.	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Artificial Intelligence and Machine Learning	680402	Develop intelligent algorithms for constraint satisfaction problems and also design intelligent systems for Game Playing.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Unix and Shell Programming (Elective-I)	680403	Identify Unix utilities to create and manage simple file processing operations, as well as more complex tasks.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Java Programming and Technologies	680404	Implement Java programs comprising more than one class, to address a particular software problem.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Computer Networks and Communication	680405	Justify the use of cryptography, security and networking techniques and other concepts of computer networks for providing better network/applications in society	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Minor Project-II (Java and MySQL)	680406	Identify classes, objects, members of a class and relationships among them needed for a specific problem.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Programming Lab in Unix and Shell Programming	680407	Design a text file with the vi text editor using the standard vi editor commands.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Analysis and Design of Algorithms	680501	Demonstrate a number of standard algorithms for problems in fundamental areas in computer science and engineering such as sorting, searching, and problems involving graphs.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf

Network and Cyber Security	680502	Evalute appropriate resources to stay abreast of the latest industry tools and techniques analyzing the impact on existing systems and applying to future situations.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Web Technologies and Cloud Computing	680503	Explore some important cloud computing driven commercial systems such as Google Apps, Microsoft Azure and Amazon Web Services and other businesses cloud applications	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Elective-I (.NET Technologies and C#)	680504	Develop web-based distributed applications using C#, ASP.NET, SQL Server and ADO.NET	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Elective-II ( Data Warehousing and Mining)	680505	Select appropriate DM tools and methods for clustering, association, and classification in order to design a data mart or data warehouse for any organization.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Minor Project-III (Web Based Application Using .NET)	680506	Recognize the professional ethics and team management principles.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
Programming Lab in PHP and Web Technologies	680507	Demonstrate web application using PHP web Framework.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/6-10- 2018%20for%202019%20batch_compressed.pdf
System Development Project	680601	Recognize the professional ethics and team management principles.	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/MCA%20BOS/6-10-2018%20for%202019%20batch_compressed.pdf
Architectural Design I	210101	FORM BUILDING(MODELS)and Product Design	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202019.pdf
Graphics - I	210103	Solve basic problems involving graphics and spatial manipulations for architectural Isometric view: Exterior view of a simple residential building showing all building components.  Axonometric view: Axonometric view of a room interior showing all interior components.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202019.pdf
Workshop - I	210107	Introduction, type of patterns, pattern making, preparation of moulds and moulding equipment detail. Associate properties of different materials and products for designing and model making	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOS%20April%202019.pdf

		Estados de como destados della talenda la la		In the second control of the second control
		Enhance the communication skills in English by		https://web.mitsgwalior.in/images/Departments/archit
		developing their listening, speaking, reading and		ecture planning/BOS/BOS%20April%202019.pdf
		writing skills,		
		speaking skills with specific reference to		
		prospective/actual clients, suppliers, business		
		partners and colleagues, reading		
		ability of journals, research articles etc &		
		develop their writing skills especially writing		
Technical English	210109	project proposals and reports.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		Study of contemporary practices & design for town houses		ecture_planning/BOS/BOS%20April%202019.pdf
		and villas in urban areas, to sensitize the students towards		<u> </u>
		life style, individual preferences, space – activity		
		relationship and exploration of how material, color, texture		
		and light affect the quality of spaces is the main focus. It is also intended as an exercise in massing & configuration of		
		façade elements such as the balancing of solids & voids,		
		adoption of a system of proportioning and elements of		
		contemporary detailing. This design exercise will also		
		attempt to involve the student in the built form / open		
		space relationship & explore the connectivity between		
		indoor & outdoor spaces./ Design independent residential		
Architectural Design III	210301`	buildings in urban areas with concepts that respond to	2017	
Architectural Design III	210501	LINUT OPETALLS OF DOORS WINDOWS & VENTUATORS	2017	hates the selection of
		UNIT-3DETAILS OF DOORS, WINDOWS & VENTILATORS: Timber Doors and its Joints: Single, double-leaf, ledged		https://web.mitsgwalior.in/images/Departments/archit
		braced & battened door, framed ledged braced &battened		ecture planning/BOS/BOS%20April%202019.pdf
		door, Paneled door, flush door, and Composite door.,		
		Timber Doors and its Joints: Single, double-leaf, ledged		
		braced & battened door, framed ledged braced &battened		
		door, Paneled door, flush door, and Composite		
		door.,Timbers Windows & ventilators: Casement(side hug &		
		top hug), Sliding pivoted (horizontal and vertical) foldingand		
		bay windows, fixed light of different sizes and shapes.,Combined doors and windows and		
		ventilators.:Draw types of timber doors, windows,		
		ventilators and its joinery detail.		
Building Construction II	210302		2017	

		Exercise will be a group activity; to measure and draw the		https://web.mitsgwalior.in/images/Departments/archit
		floor plan along with the plot boundaries, four side		
		elevations, four sections, block plan, site plan of a large		ecture planning/BOS/BOS%20April%202019.pdf
		building or a settlement with the help of CAD. In addition to		
		this drawing shall be prepared based on examples of		
		buildings by giving a sketch design. Drawings shall be		
		detailed enough to explain the complete design.:Develop		
Graphics - III	210303	Basic skills in visual composition using Graphics	2017	
·				https://web.mitsgwalior.in/images/Departments/archit
		UNIT 1 - MATERIAL STUDIO, Analyzethe culture of a place –		ecture planning/BOS/BOS%20April%202019.pdf
		building types such as the cultural center comprising of		<u>ectare_planning/b03/b03/b03/b20/tp111/0202013.par</u>
		spaces such as the art gallery, auditorium for performing		
		arts, library etc		
		UNIT - 2 HEALTHCARE BUILDINGS, Hospitals and Nursing		
		homes are a special category of buildings where functional		
		aspects such as planning, building services & the creation of		
Architectural Design V	210501	a sterile environment become important design issues.	2017	
		UNIT-1 BUILDING MATERIALS –IV, UNIT -2 STEEL,		https://web.mitsgwalior.in/images/Departments/archit
		UNIT-3 WALL & FLOOR		ecture_planning/BOS/BOS%20April%202019.pdf
		UNIT-4 PARTITIONS & FALSE CEILING:UNIT-5 THERMAL		
D 1111 C	240502	INSULATION AND ACOUSTICS INSULATION	2047	
Building Construction IV	210502		2017	
		UNIT-1 ELECTRICAL SERVICES, UNIT-2 ILLUMINATION AND		https://web.mitsgwalior.in/images/Departments/archit
		LIGHTING DESIGN, UNIT-3 AIR CONDITIONING ,UNIT-4		ecture_planning/BOS/BOS%20April%202019.pdf
Duilding Comices II	240502	PUMPS AND MACHINERIES, UNIT-5 ELECTRICAL AND AC	2017	
Building Services II	210503	DUCT LAYOUT OF SIMPLE BUILDINGS.	2017	
		UNIT-1 CLIMATE &THERMAL COMFORT, UNIT-2 SOLAR GEOMETRY &DESIGN OF SUNSHADING DEVICES		https://web.mitsgwalior.in/images/Departments/archit
		UNIT-3 PRINCIPLES OF THERMAL DESIGN IN BUILDINGS		ecture_planning/BOS/BOS%20April%202019.pdf
Building Science and energy		,UNIT-4 VENTILATION & DAY LIGHTING		
conservation	210504	UNIT-5 DESIGN FOR CLIMATIC TYPES	2017	
Conservation	210304		2017	had a state of the second seco
		UNIT-1 INTRODUCTION& ELEMENTS OF		https://web.mitsgwalior.in/images/Departments/archit
		LANDSCAPE ARCHITECTURE AND LANDSCAPE		ecture_planning/BOS/BOS%20April%202019.pdf
		DESIGN		
		UNIT-2 HISTORY OF LANDSCAPE ARCHITECTURE		
		& URBAN LANDSCAPE		
		UNIT-3 INTRODUCTION TO SITE ANALYSIS & SITE		
		INFLUENCING FACTORS		
		UNIT-4DESIGN OF LANDFORMS IN A SITE & SITE		
		PLANNING PRINCIPLES AND TECHNIQUES		
		UNIT-5 SITE CHARACTERISTICS AND DESIGN		
Site planning and Landscaping	210505	REQUIREMENTS& LANDSCAPE EXERCISE.	2017	
one planning and Landscaping	210303	MEGOMENTING EMINDOCALE EXEMPLE.	2017	

		This course will help students to seek to		https://web.mitsgwalior.in/images/Departments/archit
		·		
		minimize the negative environmental impact of		ecture planning/BOS/BOS%20April%202019.pdf
		buildings by efficiency and moderation in the		
Self Study Seminar (SWAYAM)		use of materials, energy, development space and		
(Sustainable Archtiecture)	210506	the ecosystem at large.	2019	
		UNIT-1 - The range of design problems shall		https://web.mitsgwalior.in/images/Departments/archit
		include projects of progressively increasing		ecture planning/BOS/BOS%20APRIL%202018.pdf
		complexity.		
		Exercises related to public buildings i.e,		
		Commercial center, hospital, Study and		
		incorporation of building bye-laws should be		
		complete in this Sem.		
		UNIT-2- The range of design problems shall		
		include projects of progressively increasing		
		complexity.		
		Exercises related to public buildings i.e.		
		Auditorium, sports cinema, sports complex &		
Architectural Design VII	AR 701	educational buildings.	2017	
		UNIT-1 SPECIAL STRUCTURES, UNIT- 2 ADVANCE		https://web.mitsgwalior.in/images/Departments/archit
		CONSTRUCTION SYSTEM,UNIT- 3 PRE STRESSED		ecture planning/BOS/BOS%20APRIL%202018.pdf
		CONCRETE		cecure planning/ Boo/ Boo/ Boo/ a ME/OEOEO 10. par
		UNIT- 4 TALL BUILDINGS, UNIT- 5 SHELLS AND		
Advance Building Construction I	AR 702	FOLDED PLATES	2017	
Advance banding construction i	7111 702	TOLDED TEXTES	2017	https://web.mitsgwalior.in/images/Departments/archit
		UNIT- 1 THE PROFESSIONAL ROLE OF AN		ecture_planning/BOS/BOS%20APRIL%202018.pdf
		ARCHITECT & SERVICES RENDERED, UNIT- 2		ecture_pranning/ b03/ b03/020Ar NIE/0202016.pdr
		ARCHITECT & SERVICES RENDERED, UNIT-2  ARCHITECTURAL COMPETITIONS &		
		LEGISLATIONS- Regulations governing the		
		conduct of competitions, Types of competition		
		(open & closed competitions), appointment &		
		duties of Assessors, instructions to participants,		
		award of premium, UNIT- 3 EASEMENTS&		
		ARBITRATION- Easement Rights – Definition,		
		characteristics of an easement, Natural Rights		
		,Various easement rights- Easement of support,		
		Easement of light and air, Easement of right of		
		way, Easement of eave projection, etc , UNIT- 4		
Project Management & Building		TENDER & CONTRACT, UNIT- 5 VALUATION&		
Economics	AR704	RENT.	2017	

		Student understands the field of conservation,		https://web.mitsgwalior.in/images/Departments/archit
		its techniques and develop a base for practical		ecture planning/BOS/BOS%20APRIL%202018.pdf
Elective-II (Conservation)	AR705	field work.	2018	
				https://web.mitsgwalior.in/images/Departments/archit
		Students get the acquisition of knowledge, skills		ecture planning/BOS/BOS%20APRIL%202018.pdf
		and experience for operating under an expert in		
Training	AR901	a particular field or area of specialisation.	2017	
		Present and past paradigms in planning as the		https://web.mitsgwalior.in/images/Departments/archit
		distinct perspective(s) from which problems and		ecture_planning/BOS/BOS%20April%202019.pdf
		solutions are being defined. 'object-centred', the		
		'control-centred', and the 'decision-centred'		
Planning Principles & Theories	670101	paradigms.	2017	
		Anticipations of and response to future needs		https://web.mitsgwalior.in/images/Departments/archit
		for social, health and other human services with		ecture planning/BOS/BOS%20April%202019.pdf
		spatial planning, physical and social features like		
		topography, drainage, climate, population		
Socio-Economic Basis for Planning	670102	settlements etc.	2017	
		Methods or processes followed by planners in		https://web.mitsgwalior.in/images/Departments/archit
		preparing or evaluating their plans, programs,		ecture planning/BOS/BOS%20April%202019.pdf
Planning Techniques	670103	and policies.	2017	
		Defining future policies, goals, investments, and		https://web.mitsgwalior.in/images/Departments/archit
Infrastructure & Transportation		spatial planning designs to prepare for future		ecture planning/BOS/BOS%20April%202019.pdf
Planning	670104	needs to move.	2017	
		fundamental concepts and theories of Housing		https://web.mitsgwalior.in/images/Departments/archit
		and apply them		ecture planning/BOS/BOS%20April%202019.pdf
		in their design projects, various types of Housing		
Housing	670105	and its components.	2017	
		Film appreciation, literature review and area		https://web.mitsgwalior.in/images/Departments/archit
Studio Course-I	670106	appreciation	2017	ecture_planning/BOS/BOS%20April%202019.pdf
				https://web.mitsgwalior.in/images/Departments/archit
Studio Course-II	670107	Site Planning and prepare city development plan	2017	ecture planning/BOS/BOS%20April%202019.pdf
		Inclusive Planning, Stakeholders Profile and		https://web.mitsgwalior.in/images/Departments/archit
		Needs, Access to Shelter, Services and		ecture planning/BOS/BOS%20April%202019.pdf
Inclusive Urban Planning (Elective -I)	670301	Livelihoods	2017	
		Identification of key issues related to the area of		https://web.mitsgwalior.in/images/Departments/archit
Environment, Development and		planning & understanding of standards and		ecture planning/BOS/BOS%20April%202019.pdf
Disaster Management (Elective - II)	670302	conventions of doing research.	2017	

		Identification of key issues related to the area of		https://web.mitsgwalior.in/images/Departments/archit
		planning & understanding of standards and		ecture planning/BOS/BOS%20April%202019.pdf
Seminar	670303	conventions of doing research.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		Standards and conventions of doing research		ecture planning/BOS/BOS%20April%202019.pdf
		and gain preliminary background information		
		that puts the research in contemporary context		
		and undertake research on past initiatives and		
Pre- Dissertation	670304	future possibilities in the area.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		PROJECT 1(Prototype ): SINGLE SPACE		ecture_planning/BOS/BOARD%200F%20STUDIES%20M
		DESIGN,PROJECT 2(Prototype): SMALL SCALE		EETING%20MAy%202020%201.pdf
		MULTI-SPACE DESIGN		
		Enlighten the student on the design project		
		overview & the design process to be followed		
		through relevant presentations.		
		Present an analytical discourse on an identical		
		architectural design project covering		
		Architectural, elements, spaces & terms		
Architectural Design II	210201	Noted projects & architects, Space planning etc.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		UNIT-1 LOW-COST CONSTRUCTION - Foundation		ecture_planning/BOS/bos%20nov%202019.pdf
		and wallsin stabilized mud-rammed earth and		
		compact earth blocksIntroduction toLow-cost		
		construction techniques and materials with		
		combinations of mud and terra – cotta.		
		UNIT-2 INTRODUCTION OF BASIC BUILDING		
		COMPONENTS, UNIT-3 WALL, UNIT-4		
		INTRODUCTION TO OPENINGS		
		UNIT-5 ROOFS - Simple configurations and		
		details of various forms of roofs: Flat, sloped,		
Building Construction I	201202	pyramids and dome.	2017	

	I	T		I
		UNIT-1 ELEMENTS AND PRINCIPLES OF		https://web.mitsgwalior.in/images/Departments/archit
		PERSPECTIVE DRAWING - Principles of		ecture planning/BOS/bos%20nov%202019.pdf
		perspective drawings and understanding of all		
		relevant terms like Picture Plane, Centre line of		
		vision, Eye Level, Height Line, Vanishing Points,		
		Cone of Vision, Station Point, Horizon line,		
		Ground line etc. UNIT-2 TWO POINT		
		PERSPECTIVE VIEW OF BUILDINGS - Construction		
		of Two point perspective grid. UNIT-3 ONE		
		POINT INTERIOR PERSPECTIVE - Construction of		
		One point perspective grid, UNIT-4 SCIOGRAPHY,		
		UNIT-5 MEASURED DRAWING- To measure and		
		draw the Ground Floor Plan along with plot		
		boundaries, four side elevations, two sections,		
		block plan, site plan of existing single storied		
Graphics - II	210203	building	2017	
		Students obtain the ability of model making,		https://web.mitsgwalior.in/images/Departments/archit
		basics of rendering, presentation skills using		ecture_planning/BOS/bos%20nov%202019.pdf
Workshop - II	210207	various materials.	2017	
		PROJECT 1(Prototype): VILLAGE SURVEY &		https://web.mitsgwalior.in/images/Departments/archit
		RURAL HOUSING , PROJECT 2(Prototype):		ecture_planning/BOS/bos%20nov%202019.pdf
		DESIGN OF COMMUNITY FACILITIES - Community		
		facilities –Design of Community hall, Nursing		
		home, Youth hostel, Old age home etc.,		
		encourage the student to explore concepts an		
		agglomeration of simple spaces with particular		
		emphasis on the special needs of elderly,		
Architectural Design IV	210401	handicapped etc.	2017	
		UNIT-1 BUILDING MATERIALS, UNIT -2 RCC		https://web.mitsgwalior.in/images/Departments/archit
		FOUNDATION - Introduction to RCC framed		ecture planning/BOS/bos%20nov%202019.pdf
		structures, concrete foundation: Types of footing		
		<ul> <li>Isolated, combined, continuous, strip raft &amp;</li> </ul>		
		piles , UNIT-3 BEAMS AND SLABS, UNIT-4		
		RETAINING WALL, EXPANSION		
		JOINTS, AND WATERPROOFING -		
		Waterproofing basement, construction of pools,		
		fireplaces, and fuels. Fire safety construction		
		techniques, UNIT-5 CLADDING SYSTEMS &		
Building Construction III	210402	FINISHES	2017	

				https://web.mitsgwalior.in/images/Departments/archit
		UNIT-1 WATER SUPPLY - Sources of water supply		ecture planning/BOS/bos%20nov%202019.pdf
		– Water Quality - Water requirements for		cetare planning/ BOS/ BOS/82011047/8202013.par
		· · · · · · · · · · · · · · · · · · ·		
		different types of buildings and for town, simple		
		method of removal of impurities, Rainwater		
		harvesting to include roof top harvesting, type of		
		spouts, sizes of rainwater pipes and typical detail		
		of a water harvesting pit, UNIT-2 DRAINAGE AND		
		SEWAGE DISPOSAL, UNIT-3 SOLID WASTE		
		DISPOSAL, UNIT-4 EMERGING PROCESSING		
		TECHNOLOGIES, UNIT-5 PLUMBING AND FIRE		
		FIGHTING LAYOUT OF SIMPLE BUIDINGS -		
		Designing of toilet blocks in residential and		
		public buildings, showing complete details of		
		fittings and plumbing required for water supply		
Building Services I	210403	and drainage.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
				ecture_planning/BOS/bos%20nov%202019.pdf
		UNIT- 1 PROPERTIES OF STEEL SECTIONS & TYPES		
		OF CONNECTIONS - Design of welded and bolted		
		connections for members subjected to axial		
		forces. Site visit to a steel fabrication unit.		
		UNIT-2 TENSION AND COMPRESSION MEMBERS,		
		UNIT -3 STEEL BEAMS, UNIT-4 STEEL TRUSSES &		
		GIRDERS - Study of the various types of roof		
		trusses , UNIT-5 INTRODUCTION TO LONG SPAN		
		STEEL STRUCTURAL SYSTEMS- Space frame		
		structural system in tubular steel – various types		
		of connectors – single / double & triple grid		
Structure IV	210405	space frames	2017	

				https://web.mitsgwalior.in/images/Departments/archit
		PROJECT I: DESIGN FOR HOSPITALITY INDUSTRY -		ecture planning/BOS/bos%20nov%202019.pdf
		The project requires the understanding of the		
		special nature and functioning of the hotel		
		industry and to respond with suitable concepts		
		of space planning, circulation, interior design,		
		materials and lighting. PROJECT II: URBAN		
		INFRASTRUCTURE PROJECTS - Contemporary		
		transportation terminals and stadiums are large		
		buildings with multiple entries & exits dealing		
		with large crowds and having multiple levels		
		with large spans, complex services & demanding		
Architectural Design VI	210601	environmental conditions.	2017	
		UNIT-1 INTRODUCTION TO THE STUDY OF		https://web.mitsgwalior.in/images/Departments/archit
		ACOUSTICS & SOUND TRANSMISSION,		ecture planning/BOS/bos%20nov%202019.pdf
		ABSORPTION, INSULATION		
		UNIT-2 NOISE CONTROL AND SOUND		
		REINFORCEMENT & ACOUSTICS IN BUILDING		
		DESIGN AND CONSTRUCTION		
		UNIT-3 FIRE FIGHTING SERVICES, UNIT-4 FIRE		
		FIGHTING SYSTEMS & BUILDING NORMS. UNIT-5		
		FIRE FIGHTING LAYOUT OF BUILDINGS & DESIGN		
Building Services III (Acoustic & Fire		AND DETAILING FOR ACOUSTICS OF		
Fighting)	210602	MULTIPURPOSE HALLS.	2017	
		UNIT-1 INTRODUCTION& ELEMENTS OF		https://web.mitsgwalior.in/images/Departments/archit
		LANDSCAPE ARCHITECTURE AND LANDSCAPE		ecture_planning/BOS/bos%20nov%202019.pdf
		DESIGN		
		UNIT-2 HISTORY OF LANDSCAPE ARCHITECTURE		
		& URBAN LANDSCAPE		
		UNIT-3 INTRODUCTION TO SITE ANALYSIS & SITE		
		INFLUENCING FACTORS		
		UNIT-4DESIGN OF LANDFORMS IN A SITE & SITE		
		PLANNING PRINCIPLES AND TECHNIQUES		
Site Planning and Landscaping		UNIT-5 SITE CHARACTERISTICS AND DESIGN		
Architecture	210604	REQUIREMENTS& LANDSCAPE EXERCISE.	2017	

				https://web.mitsgwalior.in/images/Departments/archit
		The course discusses sustainability principles		ecture planning/BOS/bos%20nov%202019.pdf
		and concepts from across various domains.		
		Elaborates on sustainability definitions, aspects,		
		dynamic nature of it, and its application in		
		everyday life. Further, it discusses global efforts		
		from UNFCCC, IPCC, and other agencies for		
Elective II (Sustainable		developing context-based solutions and climate		
Architecture)SWAYAM	210651	change mitigation efforts.	2019	
		Student will learn about tension and		https://web.mitsgwalior.in/images/Departments/archit
		compression; various type of structure types;		ecture_planning/BOS/bos%20nov%202019.pdf
Elective II (Structure, Form,		arches, dome, vault ; use of these structures in		
Architecture: The Synergy)SWAYAM	210652	buildings	2019	
		Student will know about the methodes to		https://web.mitsgwalior.in/images/Departments/archit
		calculate population density etc; various		ecture planning/BOS/bos%20nov%202019.pdf
		terminology in housing; slum problems and		
Elective III (Housing)	210611	factors; types of classes of houses in housing	2019	
				https://web.mitsgwalior.in/images/Departments/archit
		Student will know about color schemes ; history		ecture_planning/BOS/bos%20nov%202019.pdf
		of interior in terms of modern era; evolution in		
Elective III (Interior Design)	210612	interior design; interior space importance	2019	
		Enhances the various techniques of Architectural		https://web.mitsgwalior.in/images/Departments/archit
		Journalism, changing scenario in the context of		ecture_planning/BOS/bos%20nov%202019.pdf
Elective IV (Architectural		globalization, Architectural Journalism in		
Journalism)	210614	practical.	2019	

		UNIT- 1 INTRODUCTION - Emergence of urban		https://web.mitsgwalior.in/images/Departments/archit
		_		
		design as a discipline, need for urban design,		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		Elements of urban design(buildings, streets,		EETING%20July%202017.pdf
		public spaces, transports, other elements etc.		
		Principles of urban design- creating form and		
		spatial definition in articulation of urban design		
		expression.		
		UNIT- 2 STUDY AND ANALYSIS OF URBAN SPACES		
		IN HISTORY AND MODERN CONCEPTS		
		UNIT- 3 BASIC PRINCIPLES & TECHNIQUES IN		
		URBAN DESIGN, UNIT- 4 RENEWAL, RE-		
		DEVELOPEMENT AND FORMULATING URBAN		
		DESIGN, UNIT- 5 URBAN DESIGN SURVEY AND		
		PRESENTATION - Conducting an urban design		
		survey of Conservation of historic cities, open-		
		spaces, development of market spaces, transit		
		oriented developments, water front		
Urban Design	AR 802	development in India.	2017	
		Students learns the process for solving problems		https://web.mitsgwalior.in/images/Departments/archit
		by prioritizing the consumer's needs above all		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
		else with observing, with empathy and employs		EETING%20July%202017.pdf
		an iterative, hands-on approach to creating		
Elective-IV(Product Design)	AR804	innovative solutions.	2019	
		color schemes ; history of interior in terms of		https://web.mitsgwalior.in/images/Departments/archit
		modern era ; evolution in interior design ;		ecture planning/BOS/BOARD%200F%20STUDIES%20M
"Elective-IV (Interior Design)"	AR805	interior space importance	2019	EETING%20July%202017.pdf

		UNIT- 1 THE PROFESSIONAL ROLE OF AN ARCHITECT & SERVICES RENDERED, UNIT- 2 ARCHITECTURAL COMPETITIONS & LEGISLATIONS- Regulations governing the		https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOARD%20OF%20STUDIES%20M EETING%20July%202017.pdf
		ARCHITECT & SERVICES RENDERED, UNIT- 2 ARCHITECTURAL COMPETITIONS &		
		ARCHITECTURAL COMPETITIONS &		
				·
		ILLUISLA HUNS- RESUIGUUIS SOVEIIIIIS HIE		
		conduct of competitions, Types of competition		
		(open & closed competitions), appointment &		
		duties of Assessors, instructions to participants,		
		award of premium, UNIT- 3 EASEMENTS&		
		ARBITRATION- Easement Rights –Definition,		
		characteristics of an easement, Natural Rights		
		,Various easement rights- Easement of support,		
		Easement of light and air, Easement of right of		
		way, Easement of eave projection, etc , UNIT- 4		
		TENDER & CONTRACT, UNIT- 5 VALUATION&		
Professional Practice	AR806	RENT.	2017	
1 Totessional Fractice	ANOUU	Student understands the contemporary issues in	2017	https://web.mitsgwalior.in/images/Departments/archit
		urban planning, overall understanding of		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		classification of settlements, land-use, zoning		EETING%20July%202017.pdf
		and types of development plan, simple Town		<u>LETHIO/02030Hy/0202017.pur</u>
Town Planning	AR605	planning techniques,	2017	
Town Hamming	Altoos	planning teeninques,	2017	https://web.mitsgwalior.in/images/Departments/archit
		Students get the acquisition of knowledge, skills		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		and experience for operating under an expert in		EETING%20July%202017.pdf
Training	AR1001	a particular field or area of specialisation.	2017	<u> </u>
	7111202	a particular nela er area er specialisationi	2017	
		Planning, finance and manage urban areas.		
		Structures supported by effective land markets,		
		appropriate regulation, good public services,		
				https://web.mitsgwalior.in/images/Departments/archit
City & Metropolitan	670201		2017	
	0,0202			
Urban Heritage Conservation	670202		2017	
1 10 11 11 11 11	<u> </u>		-	THE STATE OF THE S
		and financing mechanism, project formulation		
		and appraisal, project management and		
Urban Development Finance &		implementation, and project evaluation and		https://web.mitsgwalior.in/images/Departments/archit
Project Planning	670203	monitoring	2017	ecture planning/BOS/bos%20nov%202019.pdf
City & Metropolitan  Urban Heritage Conservation	670201 670202	adequate public finance and transparent and accountable city level political systems.  Urban conservation in planning, its techniques and Policies and Programmes, Legislations  Finance at different stages, investment planning	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/bos%20nov%202019.pdf https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/bos%20nov%202019.pdf

		Planning legislation & concepts, urban policy, its		
		nature and process of making urban policy,		https://web.mitsgwalior.in/images/Departments/archit
Legal Issues & Professional	670204	Professional Practice in planning	2017	ecture_planning/BOS/bos%20nov%202019.pdf
		Basic principles & methods of Research,		
		specifically in Design at Urban scale, and towards		
		helping them conducting their own		
		authentic & independent research. Research		
		basics, defining research problem, Research		
		Design, Developing a Research Plan, Plagiarism,		https://web.mitsgwalior.in/images/Departments/archit
Research Methodology	670205	IPR, etc.	2017	ecture_planning/BOS/bos%20nov%202019.pdf
		Dynamics of various components of the city and		
		level interventions with multi-dimensional,		https://web.mitsgwalior.in/images/Departments/archit
Studio-I	670206	dynamic and futuristic spaces.	2017	ecture_planning/BOS/bos%20nov%202019.pdf
		Remote Sensing – Aerial and Satellite;		
		introduction to GIS, Spatial data and Attribute		
		data; Satellite images as input to GIS; Collection		https://web.mitsgwalior.in/images/Departments/archit
Studio-II	670207	and presentation of baseline information.	2017	ecture_planning/BOS/bos%20nov%202019.pdf
		Students obtain understanding of standards and		
		conventions of doing dissertation and gain		
		preliminary background information that puts		
		the research in context and to clarify the focus of		https://web.mitsgwalior.in/images/Departments/archit
Thesis Project	670401	the study.	2017	ecture_planning/BOS/bos%20nov%202019.pdf
		Knowledge of Electromagnetic fields to		https://web.mitsgwalior.in/images/Departments/electri
		understand working principle of various power		cal engineering/BoS/4.%20BoS%2008.04.2019.pdf
Electromagnetic Field Theory	130301	apparatus & machine	2017	
		Knowledge of measurement technique for		https://web.mitsgwalior.in/images/Departments/electri
		electrical/electronic parameters , accuracy and		cal engineering/BoS/4.%20BoS%2008.04.2019.pdf
Measurement & Instrumentation	130302	need of calibration	2017	
		capable of analyzing any given electric/		https://web.mitsgwalior.in/images/Departments/electri
		electroncis networks, concepts of transients and		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Network Analysis	130303	unbalanced three phase supply	2017	
		Understand the principle, operation and		https://web.mitsgwalior.in/images/Departments/electri
		applications of diode, BJT, FET, amplifier etc to		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Analog Electronics	130304	develop electronic circuit	2017	
		MATLAB programing/ Simulink		https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Software Lab - I	130305		2017	

		develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Self Learning/Presentation	130306	andself learning	2017	
		Learn and sharpen in-demand technical skills		https://web.mitsgwalior.in/images/Departments/electri
				cal engineering/BoS/4.%20BoS%2008.04.2019.pdf
Summer Internship Project -I	130309		2017	
		know the society and its challenges		https://web.mitsgwalior.in/images/Departments/electri
Indian Constitution & Traditional				cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Knowldege (Audit Course)	100006		2017	
		Understanding fundamental characteristics of		https://web.mitsgwalior.in/images/Departments/electri
		Signals & Systems in both time & transform		cal engineering/BoS/4.%20BoS%2008.04.2019.pdf
		domain. Also to develop mathematical skills to		
		solve problems involving convolution, filtering,		
Signals & Systems	130501	modulation and sampling.	2017	
		Explore the ways and means to perform power		https://web.mitsgwalior.in/images/Departments/electri
		system analysis in normal operation and under		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
		symmetrical and unsymmetrical faults		
Power System-II	130502		2017	
		Develop basic concepts of ac machine, their		https://web.mitsgwalior.in/images/Departments/electri
		construtional details, working principle and		cal engineering/BoS/4.%20BoS%2008.04.2019.pdf
Electrical Machines-II	130503	characteristic based applications	2017	
		Understand the concepts, basic operation,		https://web.mitsgwalior.in/images/Departments/electri
		steady state operation of efficient switched-		cal engineering/BoS/4.%20BoS%2008.04.2019.pdf
		mode power conversion techniques, including		
Power Electronics	130504	basic circuit operation	2017	
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
		management and presentation spheres.		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Minor Project-I	130505		2017	
		Learn and sharpen in-demand technical skills		https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Summer Internship Project -II	130506		2017	
		Develop skills for self learning		https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Self Learning	130507		2017	
		Overview of complete electric drive system		https://web.mitsgwalior.in/images/Departments/electri
		including the mechanical part, electric machine,		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Electrical Drives	BEEL701	power converters & control	2015	

		Explore to keep the power system stable by		https://web.mitsgwalior.in/images/Departments/electri
		isolating only the components that are under		cal engineering/BoS/4.%20BoS%2008.04.2019.pdf
		fault, whilst leaving as much of the network as		
Switchgear & Protection	BEEL702	possible in operation.	2015	
		Basic concepts of load flow studies, voltage		https://web.mitsgwalior.in/images/Departments/electri
		stabilty and its enhencement, AI applications in		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Computer Aided Power System	BEEL703	power system	2015	
		Imbibe different practical issues involve such as		https://web.mitsgwalior.in/images/Departments/electri
		site selection for power plant, physical layout,		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
		performance analysis, relationship between load		
		& power production for grounding in the key		
		concepts of power economics		
Power System Economics	BEEL704 A		2015	
		Various terminology, rules & regulations, policy		https://web.mitsgwalior.in/images/Departments/electri
		of enegy audit, energy tarriff, economics &		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Energy Audit & Management	BEEL705 A	analysis, enegy conservations	2015	
		Develop feel of the actual working environment		https://web.mitsgwalior.in/images/Departments/electri
		and to gain practical knowledge and skills		cal_engineering/BoS/4.%20BoS%2008.04.2019.pdf
Industrial Training	BEET706		2015	
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
		management and presentation spheres.		cal engineering/BoS/4.%20BoS%2008.04.2019.pdf
Major Project I	BEED707		2015	
		develop skills for self learning, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal engineering/BoS/4.%20BoS%2008.04.2019.pdf
Seminar/Group Discussion	BEES708	and build teamwork.	2015	
		Basic idea about microprocessor & its		https://web.mitsgwalior.in/images/Departments/electri
		programming, munber system & codes		cal_engineering/BoS/5.%20BoS%2023.11.2019.pdf
Digital Electronics & Microprocessor	130401		2017	
		Develop basic concepts of dc machine and		https://web.mitsgwalior.in/images/Departments/electri
		transformer, their construtional details, working		cal_engineering/BoS/5.%20BoS%2023.11.2019.pdf
		principle and characteristic based applications		
Electrical Machines-I	130402		2017	
		Understand the role of control engineer in multi		https://web.mitsgwalior.in/images/Departments/electri
		disciplinary teams through modelling and		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
		analysis of physical system, implications of		
Control System	130403	system stability	2017	

		Understand various types transmission &		https://web.mitsgwalior.in/images/Departments/electri
		distribution system, economic aspects of power		cal_engineering/BoS/5.%20BoS%2023.11.2019.pdf
		generation, analyse the performance of		
		transmission lines, distribution systems,		
Power System-I	130404	insulators and cables.	2017	
		Simulation of electrical systems		https://web.mitsgwalior.in/images/Departments/electri
				cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Software Lab - II	130405		2017	
		Explore to keep the power system stable by		https://web.mitsgwalior.in/images/Departments/electri
		isolating only the components that are under		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
		fault, whilst leaving as much of the network as		
Switchgear & Protection	130601	possible in operation.	2017	
		Knowledge of different type of material and		https://web.mitsgwalior.in/images/Departments/electri
		their use in engineering application		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Electrical Engineering Materials	130602		2017	
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
		management and presentation spheres.		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Minor Project-II	130603		2017	
		Basic concepts of load flow studies, voltage		https://web.mitsgwalior.in/images/Departments/electri
Computer Aided Power System		stabilty and its enhencement, AI applications in		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Analysis	130611	power system	2017	
		Understand automation technologies and		https://web.mitsgwalior.in/images/Departments/electri
		identify advantages, limitations and applications		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Industrial Automation	130612	of thesame.	2017	
		Understand the constructions and working		https://web.mitsgwalior.in/images/Departments/electri
		principle of different types of sensors and		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
		transducers, instrument tranformer, magnetic		
Transducers & Sensors	130613	measuremet, HV measurement etc	2017	
		Understand the need of harnessing alternate		https://web.mitsgwalior.in/images/Departments/electri
		energy resources, its chalanges and applications		cal_engineering/BoS/5.%20BoS%2023.11.2019.pdf
Non Conventional Energy Resources	130651		2017	
		Gives an introduction to the DC power		https://web.mitsgwalior.in/images/Departments/electri
		transmission system using the conventional line		cal_engineering/BoS/5.%20BoS%2023.11.2019.pdf
DC Power Transmission Systems	130652	commutated converters.	2017	
		Provide the various fundamental concepts of		https://web.mitsgwalior.in/images/Departments/electri
		fuzzy logic and artificial neural network to get		cal_engineering/BoS/5.%20BoS%2023.11.2019.pdf
		sufficient knowledge to analyze and design the		
Fuzzy Logic and Neural Networks	130653	various intelligent control systems	2017	

		Various terminology, rules & regulations, policy		https://web.mitsgwalior.in/images/Departments/electri
Energy Conservation &		of enegy audit, energy tarriff, economics &		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Management	900103	analysis, enegy conservations	2017	
		Familiarize with soft computing concepts i.e.		https://web.mitsgwalior.in/images/Departments/electri
		idea of ANN, GA, Fuzzy etc.		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Soft Computing Techniques	BEEL801		2015	
		Illustrate working principle of electric power		https://web.mitsgwalior.in/images/Departments/electri
		utilization and their application in real life		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Uilization of Electrical Energy	BEEL802		2015	
		Focuses on imparting the principles of		https://web.mitsgwalior.in/images/Departments/electri
		measurement which includes the working		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
		mechanism of various sensors and devices,		
Process Instrumentation	BEEL803 A	transducers etc	2015	
		Familiarize with high voltage generation and test		https://web.mitsgwalior.in/images/Departments/electri
		equipments		cal_engineering/BoS/5.%20BoS%2023.11.2019.pdf
High Voltage Engineering	BEEL804 A		2015	
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
		management and presentation spheres.		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Major Project II	BEED805		2015	
		Identify safety hazards and apply the provention		https://web.mitsgwalior.in/images/Departments/electri
Electrical Industrial Safety &		applicable and also to scedule the maintenance		cal engineering/BoS/5.%20BoS%2023.11.2019.pdf
Maintenance	BEEP806		2015	
Basic Civil Engineering & Mechanics	100205	Building Materials, applications of remote	2017	https://web.mitsgwalior.in/images/Departments/Civil/
		sensing, measurement of area volume, shear		bos%20file/new%20files/BOS%20April%202018.pdf
		force bending moment		
Building Planning & Design	110302	Green Buildings, NBC provisions, building bye	2018	https://web.mitsgwalior.in/images/Departments/Civil/
		laws		bos%20file/new%20files/BOS%20April%202018.pdf
Building Materials & Construction	110303	Fresh and Hardened concrete, damp prevention,	2016	https://web.mitsgwalior.in/images/Departments/Civil/
		anti termite treatment, water proofing		bos%20file/new%20files/BOS%20April%202018.pdf
Surveying	110304	Traversing, curve setting, linear and angular	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		measurement		bos%20file/new%20files/BOS%20April%202018.pdf
Strength of Materials	110305	Stress Strain, euler's buckling load	2013	https://web.mitsgwalior.in/images/Departments/Civil/
Julian di Materiais	110303	Juless Strain, euler's buckling load	2013	bos%20file/new%20files/BOS%20April%202018.pdf
				203/020Hie/Hew/020Hies/2003/020ApHii/0202010.pul
				ı

Software Lab	110306	drawing of building elements on AutoCAD	2018	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20April%202018.pdf
Summer Internship Project - I	110308	Students work on in house projects under	2018	https://web.mitsgwalior.in/images/Departments/Civil/
		various domains.		bos%20file/new%20files/BOS%20April%202018.pdf
Geotechnical Engineering - II	BCEL701	Shallow foundations, deep foundations, pile	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		foundations		bos%20file/new%20files/BOS%20April%202018.pdf
Environmental Engineering - II	BCEL702	sewage treatment plant, sewerage system	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		deisgn		bos%20file/new%20files/BOS%20April%202018.pdf
Advanced Structural Design - I (RCC)	BCEL703	design of water tanks, bridges, prestressed	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		concrete		bos%20file/new%20files/BOS%20April%202018.pdf
Railway, Bridge & Tunnel	BCEL704	geometrical design, curves, railway stations,	2018	https://web.mitsgwalior.in/images/Departments/Civil/
Engineering		construction of tunnels		bos%20file/new%20files/BOS%20April%202018.pdf
Irrigation Engineering	BCEL705	Design of lined and unlined canals	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20April%202018.pdf
Training/Internship	BCET706	Field oreinted case studies like bridge, overhead	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		tanks, highway and multistorey buildings, etc		bos%20file/new%20files/BOS%20April%202018.pdf
Major Project - I	BCEP707	students work on various field based problems,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		case study, experimental studies etc		bos%20file/new%20files/BOS%20April%202018.pdf
Construction Planning &	BCEL501	time cost optimization using network techniques	2017	https://web.mitsgwalior.in/images/Departments/Civil/
Management				bos%20file/new%20files/BOS%20July%202017%20file.p
Traffic Engineering	BCEL502	traffic studies, traffic planning	2017	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
Water resources Engineering - I	BCEL503	flood estimation, hydrograph analysis	2013	df https://web.mitsgwalior.in/images/Departments/Civil/
Water resources Engineering	DCLLSOS	nood estimation, nydrograph analysis	2013	bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Fluid Mechanics-II	BCEL504	pipe flow problems, uniform flow in open	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		channels		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>

Structural Design & Drawing - I (RCC)	BCEL505	design of beams, slabs, columns, footings, staircases	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Theory of Structure - I	BCEL506	analysis of beams & frames by various methods	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Civil lab	BCEP507	mix design, SPT test	2017	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Management Theory	510101	comparative management styles and approaches	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Materials & Equipments	510102	Concrete mix design, special concrete, prefabrication	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Quantitative Methods	510103	Game Theory, Theory of Probability, Z transform	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Contract Management	510104	claims & arbitrations, construction contracts BOT projects	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Functional Planning Building Services & Maintenance Management	510105	Provision of NBC, Plumbing services	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Computer Lab-I	510106	MATLAB, Prima Vera, BIM	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Construction lab- I	510107	Various Tests on Concrete	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Infrastructure Project Management	510301	strategic issues in infrastructure development, risk management in infrastructure project	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Urban Hydrology & Waste Management	510302	Hydrograph analysis, flood estimation, C&D waste management	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf
Preliminary Dissertation	510304	student carry out their research work in various areas	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20April%202018.pdf

Environmental Chemistry &	530101	instrumental methods of analysis, microbiology	2014	https://web.mitsgwalior.in/images/Departments/Civil/
Microbiology		of water and waste water		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Materials & Equipments	530102	Concrete mix design, special concrete,	2014	https://web.mitsgwalior.in/images/Departments/Civil/
		prefabrication		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Quantitative Methods	530103	Game Theory, Theory of Probability, Z transform	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Solid Waste Management	530104	solid waste treatment, disposal	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Functional Planning Building	530105	Provision of NBC, Plumbing services	2014	https://web.mitsgwalior.in/images/Departments/Civil/
Services & Maintenance				bos%20file/new%20files/BOS%20July%202017%20file.p
Management				<u>df</u>
Computer Lab - I	530106	MATLAB, Prima Vera, BIM	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Env Lab - I	530107	Water quality analysis	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Principles & Design of Biological	530301	Biological Sewage Treatment techniques	2014	https://web.mitsgwalior.in/images/Departments/Civil/
Treatment System				bos%20file/new%20files/BOS%20April%202018.pdf
Urban Hydrology & Waste	530302	Hydrograph analysis, flood estimation, C&D	2014	https://web.mitsgwalior.in/images/Departments/Civil/
Management	330302	waste management	2014	bos%20file/new%20files/BOS%20April%202018.pdf
Management		waste management		bus/62011le/11eW/62011les/BU3/620Apt11/6202018.pu1
Preliminary Dissertation	530304	student carry out their research work in various	2014	https://web.mitsgwalior.in/images/Departments/Civil/
		areas		bos%20file/new%20files/BOS%20April%202018.pdf
Geotechnical Engineering	110402	permeability of soil, stress distribution in soil,	2018	https://web.mitsgwalior.in/images/Departments/Civil/
dedecommon Engineering	110.02	shear strength of soil	2010	bos%20file/new%20files/BOS%20April%202018.pdf
		Shear strength or son		5037020111C/11CW702011C3/1503702010[F1170202010.pdf
Fluid Mechanics - I	110403	Flow measurement, stoke's law, dimensional	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		analysis		bos%20file/new%20files/BOS%20April%202018.pdf
Structural Analysis	110404	analysis of beams & frames by various methods	2013	https://web.mitsgwalior.in/images/Departments/Civil/
2.5.5.6.7.1141,515	110-10-1	analysis of seams a frames by various methods	_010	bos%20file/new%20files/BOS%20April%202018.pdf
				505/520/HCJ/HCW/020/HCS/ 505/620/10/H7/6202010/50/H
	_1			

Engineering Hydrology	110405	Flood estimation, hydrograph analysis	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20April%202018.pdf
Survey Practice Lab	110407	Traversing by total station, Profiling of road	2018	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20April%202018.pdf
Advanced Structural Design - II	BCEL801	design of water tanks, silos, bridges	2013	https://web.mitsgwalior.in/images/Departments/Civil/
(Steel)				bos%20file/new%20files/BOS%20April%202018.pdf
Hydraulic Structure	BCEL802	spillways, energy dissipators, cross drainage	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		works		bos%20file/new%20files/BOS%20April%202018.pdf
Industrial Waste Treatment	BCEL803	Tretament of various industrial wastes, like	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		textile, paper pulp etc		bos%20file/new%20files/BOS%20April%202018.pdf
Building Environment & Services	BCEL804	Provision of NBC, Plumbing services	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20April%202018.pdf
Major Project-II	BCEP805	students work on various field based problems,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		case study, experimental studies etc		bos%20file/new%20files/BOS%20April%202018.pdf
Solid Waste, Air & Noise Pollution	BCEL602	solid waste management, air quality	2017	https://web.mitsgwalior.in/images/Departments/Civil/
		improvement		bos%20file/new%20files/BOS%20April%202018.pdf
Environmental Impact Assessment	BCEL603	Planning & developing of EIA reports	2017	https://web.mitsgwalior.in/images/Departments/Civil/
& Ethics				bos%20file/new%20files/BOS%20April%202018.pdf
Geotechnical Engineering - I	BCEL604	permeability of soil, stress distribution in soil,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		shear strength of soil		bos%20file/new%20files/BOS%20April%202018.pdf
Structural Design & Drawing - II	BCEL605	design of tension members, compression	2013	https://web.mitsgwalior.in/images/Departments/Civil/
(Steel)		members, plate girders, built up beams		bos%20file/new%20files/BOS%20April%202018.pdf
Theory of Structure - II	BCEL606	analysis of beams & frames by various methods	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20April%202018.pdf
Minor Project	BCEP607	students work on various field based problems,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		case study, experimental studies etc		bos%20file/new%20files/BOS%20April%202018.pdf

Construction Techniques	510201	various constrcution techniques, prefab	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Economics & Finance	510202	capital budgeting, project risk, financial	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		accounting		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Cost Management	510203	multi criteria decision making methods, multi	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		objective optimization methods		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Project Management	510204	project planning & management	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Project Planning Scheduling &	510205	resource planning, cost control	2013	https://web.mitsgwalior.in/images/Departments/Civil/
Control				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Computer Lab - II	510206	MATLAB, Prima Vera, BIM	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Lab- II	510207	Various Tests on Concrete	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Dissertation	510401	student carry out their research work in various	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		areas		bos%20file/new%20files/BOS%20April%202018.pdf
Air Pollution & Sound Pollution	530201	air pollution control techniques, air quality	2014	https://web.mitsgwalior.in/images/Departments/Civil/
All Foliation & Sound Foliation	330201	monitoring, noise pollution control	2014	bos%20file/new%20files/BOS%20July%202017%20file.p
		monitoring, noise politition control		df
Advanced Treatment Process - I	530202	water treatment plant design, design of	2014	https://web.mitsgwalior.in/images/Departments/Civil/
(Water Supply Engineering)	330202	distribution system	2014	bos%20file/new%20files/BOS%20July%202017%20file.p
(water supply Engineering)		distribution system		df
Advanced Treatment Process - II	530203	waste treatment plant design	2014	https://web.mitsgwalior.in/images/Departments/Civil/
(Waste Water Engg)	330203	waste treatment plant design	2014	bos%20file/new%20files/BOS%20July%202017%20file.p
(vvaste vvater Engg/				df
Project Management	530204	project planning & management	2014	https://web.mitsgwalior.in/images/Departments/Civil/
i reject management	330201	project planning & management	201.	bos%20file/new%20files/BOS%20July%202017%20file.p
				df
Environmental Impact Assessment	530205	Planning & developing of EIA reports	2014	https://web.mitsgwalior.in/images/Departments/Civil/
& Ethics		0 2 2 2.1. 0 3. 2		bos%20file/new%20files/BOS%20July%202017%20file.p

Computer Lab - II	530206	MATLAB, Prima Vera, BIM	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Env Lab - II	530207	waste water quality anlysis, air quality analysis	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Dissertation	530401	student carry out their research work in various	2014	https://web.mitsgwalior.in/images/Departments/Civil/
		areas		bos%20file/new%20files/BOS%20April%202018.pdf
Engineering Chemistry	100101		2018	https://web.mitsgwalior.in/images/Departments/electr
		Engineering materials such as polymers, energy		onics engineering/Oct%202018%201 merged compres
		production		sed.pdf
Engineering Mathematics - I	100102	To understand the concepts of basic mathematical	2018	https://web.mitsgwalior.in/images/Departments/electr
		methods for matrices, complex numbers and		onics_engineering/Oct%202018%201_merged_compres
		differential calculus		sed.pdf
Technical English	100103	Language skills	2018	https://web.mitsgwalior.in/images/Departments/electr
				onics_engineering/Oct%202018%201_merged_compres
				<u>sed.pdf</u>
	100104	To expose to the field of electrical & electronics	2018	https://web.mitsgwalior.in/images/Departments/electr
Basic Electrical & Electronics		engineering, and to acquire the fundamental		onics_engineering/Oct%202018%201_merged_compres
Engineering		knowledge in the field		<u>sed.pdf</u>
Engineering Graphics	100105		2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Oct%202018%201 merged compres
		Comprehend general projection theory		sed.pdf
Manufacturing Practices			2018	https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Oct%202018%201 merged compres
	100106	Manufacturing sciences in the day-to-day life		sed.pdf
		To understand the concepts of basic mathematical		https://web.mitsgwalior.in/images/Departments/electr
Engineering Mathematics - III	100003	methods for matrices, complex numbers and	2018	onics engineering/Oct%202018%201 merged compres
		differential calculus		<u>sed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
Cyber Security	100004	To develop graduates that can plan, implement, and	2019	onics engineering/Oct%202018%201 merged compres
		monitor cyber security		<u>sed.pdf</u>
		Deep knowledge in Core Electronic components		https://web.mitsgwalior.in/images/Departments/electr
Electronics - II	200401	required in hardware technology	2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf
		Deep knowledge in Core Electronic components		https://web.mitsgwalior.in/images/Departments/electr
Electronics - II	140401	required in hardware technology	2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf

		Understand and implement the basic analog and		https://web.mitsgwalior.in/images/Departments/electr
Analog Communication	200402	digital communication techniques/ circuits used in	2018	onics engineering/Oct%202018%201 merged compres
-		communication systems		sed.pdf
		Understand and implement the basic analog and		https://web.mitsgwalior.in/images/Departments/electr
Analog Communication	140402	digital communication techniques/ circuits used in	2018	onics engineering/Oct%202018%201 merged compres
		communication systems		sed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
				onics engineering/Oct%202018%201 merged compres
Communication Networks	200403	Understand different network systems	2018	sed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
Communication Networks	140403	Understand different network systems	2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
Stochastic Processes in Communication	200404	To gain the knowledge of the basic probability	2019	onics engineering/Oct%202018%201 merged compres
		concepts		sed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
Stochastic Processes in Communication	140404	To gain the knowledge of the basic probability concepts	2019	onics_engineering/Oct%202018%201_merged_compres
				<u>sed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
Hardware Lab	200405	PCB designing	2018	onics_engineering/Oct%202018%201_merged_compres
				<u>sed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
Hardware Lab	140405	PCB designing	2018	onics engineering/Oct%202018%201 merged compres
				<u>sed.pdf</u>
Antenna and Wave Propagation	BELL601	Antenna design		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
				<u>sed.pdf</u>
Antenna and Wave Propagation	BETL601	Antenna design		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
				<u>sed.pdf</u>
Digital Signal Processing	BELL602	Fourier transform and signal analysis		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
				<u>sed.pdf</u>
Digital Signal Processing	BETL602	Fourier transform and signal analysis		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf_
Data Communication	BELL603			https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
		layered architecture of communication protocols		<u>sed.pdf</u>

Data Communication	BETL603			https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
		layered architecture of communication protocols	2020	sed.pdf
Electronic System Design	BELL604	deep knowledge in Core Electronic components		https://web.mitsgwalior.in/images/Departments/electr
		required in hardware technology	2018	onics engineering/Oct%202018%201 merged compres
		,	2010	sed.pdf
Electronic System Design	BETL604	deep knowledge in Core Electronic components		https://web.mitsgwalior.in/images/Departments/electr
255.8	32.1200.	required in hardware technology	2018	onics engineering/Oct%202018%201 merged compres
			2010	sed.pdf
Data Structure	BELL609			https://web.mitsgwalior.in/images/Departments/electr
Data Structure	D222003	Ability to analyze algorithms and aalgorithm	2018	onics engineering/Oct%202018%201 merged compres
		correctness	2018	sed.pdf
Data Structure	BETL609	Correctiess		https://web.mitsgwalior.in/images/Departments/electr
Data Structure	BETEOOS	Ability to analyze algorithms and aalgorithm	2018	onics engineering/Oct%202018%201 merged compres
		correctness	2018	sed.pdf
Integrated Circuit	BELL610	Correctness		https://web.mitsgwalior.in/images/Departments/electr
Integrated Circuit	PELLOTO	Leave the Leavis extends at a decide A/D and	2010	
		Learn about various techniques to develop A/D and D/A convertors	2018	onics_engineering/Oct%202018%201_merged_compres
Later and all City in	DETI CAO	D/A convertors		sed.pdf
Integrated Circuit	BETL610			https://web.mitsgwalior.in/images/Departments/electr
		Learn about various techniques to develop A/D and	2018	onics_engineering/Oct%202018%201_merged_compres
	5-11-61-1	D/A convertors		sed.pdf
Microcontroller and Embeded System	BELL611	To develop assembly		https://web.mitsgwalior.in/images/Departments/electr
		language programming skills	2018	onics engineering/Oct%202018%201 merged compres
				<u>sed.pdf</u>
Microcontroller and Embeded System	BETL611	To develop assembly		https://web.mitsgwalior.in/images/Departments/electr
		language programming skills	2018	onics engineering/Oct%202018%201 merged compres
				<u>sed.pdf</u>
Industrial Electronics	BELL605			https://web.mitsgwalior.in/images/Departments/electr
		acquaint the students with advanced industrial circuits	2018	onics engineering/Oct%202018%201 merged compres
		and their applications		<u>sed.pdf</u>
Industrial Electronics	BETL605			https://web.mitsgwalior.in/images/Departments/electr
		acquaint the students with advanced industrial circuits	2018	onics engineering/Oct%202018%201 merged compres
		and their applications		sed.pdf
Minor Project-I	BELP606	Practical live project		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf
Minor Project-I	BETL606	Practical live project		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres

Fiber Optics and Optical Communication	8441			https://web.mitsgwalior.in/images/Departments/electr
i i		Explain the different modes of propagation in an	2018	onics engineering/Oct%202018%201 merged compres
		optical fiber		sed.pdf
Fiber Optics and Optical Communication	BELL801	21.2.2.		https://web.mitsgwalior.in/images/Departments/electr
i i		Explain the different modes of propagation in an	2018	onics engineering/Oct%202018%201 merged compres
		optical fiber		sed.pdf
Fiber Optics and Optical Communication	BETL801			https://web.mitsgwalior.in/images/Departments/electr
		Explain the different modes of propagation in an	2018	onics engineering/Oct%202018%201 merged compres
		optical fiber		sed.pdf
Satellite Communication	8442			https://web.mitsgwalior.in/images/Departments/electr
	0	introduce students to the fundamentals of		onics engineering/Oct%202018%201 merged compres
		satellite communication	2018	sed.pdf
Satellite Communication	BELL802			https://web.mitsgwalior.in/images/Departments/electr
Satellite communication	DLLLOOZ	introduce students to the fundamentals of		onics engineering/Oct%202018%201 merged compres
		satellite communication	2018	sed.pdf
TV and Radar Engineering	8443		2010	https://web.mitsgwalior.in/images/Departments/electr
TV and Radar Engineering	0443	principles of operation of various blocks of Radar		onics engineering/Oct%202018%201 merged compres
		systems and Radar Range equation in detail.	2018	sed.pdf
TV and Radar Engineering	BELL803	systems and Radar Range equation in detail.	2010	https://web.mitsgwalior.in/images/Departments/electr
TV and Radar Engineering	DELLOOS	principles of operation of various blocks of Radar		onics engineering/Oct%202018%201 merged compres
		systems and Radar Range equation in detail.	2018	sed.pdf
TV and Radar Engineering	BETL803	systems and hadar hange equation in detail.	2010	https://web.mitsgwalior.in/images/Departments/electr
I V and Nadar Engineering	DL 11003	principles of operation of various blocks of Radar		onics engineering/Oct%202018%201 merged compres
		systems and Radar Range equation in detail.	2018	sed.pdf
Neural Network and Fuzzy Systems	ELL804	systems and Radar Range equation in detail.	2010	https://web.mitsgwalior.in/images/Departments/electr
Neural Network and 1 uzzy Systems	LLL804			onics engineering/Oct%202018%201 merged compres
		Analyze the various feedback networks	2018	sed.pdf
Neural Network and Fuzzy Systems	BETL804	Analyze the various reeuback networks	2010	https://web.mitsgwalior.in/images/Departments/electr
Neural Network and Fuzzy Systems	DE I LOU4			onics engineering/Oct%202018%201 merged compres
		Analyze the various feedback networks	2018	sed.pdf
Imaga Dragossing and Dattorn	ELL808		2018	https://web.mitsgwalior.in/images/Departments/electr
Image Processing and Pattern	ELL808	Image enhancement and classifiaction		
Recognition			2010	onics engineering/Oct%202018%201 merged compres
Lacara Dacaracia a and Dathana	DETI 000	Income and a second advantage of the street	2018	sed.pdf
Image Processing and Pattern	BETL808	Image enhancement and classifiaction		https://web.mitsgwalior.in/images/Departments/electr
Recognition			2040	onics engineering/Oct%202018%201 merged compres
Nanataska alami	FILODO		2018	sed.pdf
Nanotechnology	ELL809		2615	https://web.mitsgwalior.in/images/Departments/electr
		Apply engineering and physics concepts to the nano-	2018	onics engineering/Oct%202018%201 merged compres
		scale and non-continuum domain		<u>sed.pdf</u>

Nanotechnology	BETL809			https://web.mitsgwalior.in/images/Departments/electr
		Apply engineering and physics concepts to the nano-	2018	onics engineering/Oct%202018%201 merged compres
		scale and non-continuum domain		sed.pdf
Biomedical Instrumentation	ELL810	Biomedical system analysis		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf
Biomedical Instrumentation	BETL810	Biomedical system analysis		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf
Major Project-II	ELL805	Practical live project		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf
Major Project-II	8445	Practical live project		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf_
Major Project-II	BETP805	Practical live project		https://web.mitsgwalior.in/images/Departments/electr
			2018	onics_engineering/Oct%202018%201_merged_compres
				sed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
Dissertation Evaluation & Defense	600401	Thesis	2018	onics_engineering/Oct%202018%201_merged_compres
				sed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
Dissertation Evaluation & Defense	610401	Thesis	2018	onics engineering/Oct%202018%201 merged compres
				sed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
		Formulate general mechanics parameters and		onics engineering/Oct%202018%201 merged compres
Engineering Physics	100201	distinguish between central and noncentral forces.	2017	<u>sed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
		To study an environment and ecosystem, To study		onics engineering/Oct%202018%201 merged compres
Energy, Environment, Ecology & Society	100202	natural resources	2017	<u>sed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
		An ability to design, implement, and evaluate a		onics engineering/Oct%202018%201 merged compres
Basic Computer Engineering	100203	computer-based system, process, components	2017	<u>sed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
		To provide a comprehensive knowledge of basic		onics engineering/Oct%202018%201 merged compres
Basic Mechanical Engineering	100204	mechanical systems.	2017	<u>sed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
		To implement English vocabulary at command and		onics engineering/Oct%202018%201 merged compres
Language Lab. & Seminars	100206	ensure language proficiency	2017	<u>sed.pdf</u>

		Different numerical methods and equations		https://web.mitsgwalior.in/images/Departments/electr
		·	2018	onics engineering/Oct%202018%201 merged compres
Engineering Mathematics-II	100001			sed.pdf
				https://web.mitsgwalior.in/images/Departments/electr
		Biological engineering	2018	onics engineering/Oct%202018%201 merged compres
Biology for Engineers (Audit Course)	100002			sed.pdf
Electronics-I	140301	Deep knowledge in Core Electronic components		https://web.mitsgwalior.in/images/Departments/electr
		required in hardware technology	2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Electronics-I	200301	Deep knowledge in Core Electronic components		https://web.mitsgwalior.in/images/Departments/electr
		required in hardware technology	2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
		Develop skills and confidence to conceive and		https://web.mitsgwalior.in/images/Departments/electr
		implement a complex digital system	2017	onics_engineering/April%202018%201_merged_compr
Digital Circuits and Systems	140302			<u>essed.pdf</u>
		Develop skills and confidence to conceive and		https://web.mitsgwalior.in/images/Departments/electr
		implement a complex digital system	2017	onics_engineering/April%202018%201_merged_compr
Digital Circuits and Systems	200302			<u>essed.pdf</u>
		Apply the knowledge of basic circuital law and simplify		https://web.mitsgwalior.in/images/Departments/electr
		the network using reduction techniques	2017	onics_engineering/April%202018%201_merged_compr
Network Theory	140303			<u>essed.pdf</u>
		Apply the knowledge of basic circuital law and simplify		https://web.mitsgwalior.in/images/Departments/electr
		the network using reduction techniques	2017	onics engineering/April%202018%201 merged compr
Network Theory	200303			<u>essed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
Signals and Systems	140304	Fourier Transform, Signal analysis		<u>essed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
Signals and Systems	200304	Fourier Transform, Signal analysis		<u>essed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
Software Lab Introduction to MATLAB	140305	MATLAB for industry		<u>essed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
Software Lab Introduction to MATLAB	200305	MATLAB for industry		<u>essed.pdf</u>
Principles of Management & Economics	BELL501	Explore the appropriate methods to initiate, plan,		https://web.mitsgwalior.in/images/Departments/electr
		execute, control and close projects	2017	onics engineering/April%202018%201 merged compr
				essed.pdf

Principles of Management & Economics	BETL501	Explore the appropriate methods to initiate, plan,		https://web.mitsgwalior.in/images/Departments/electr
		execute, control and close projects	2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Microprocessors & Interfacing	BETL502	To develop assembly		https://web.mitsgwalior.in/images/Departments/electr
		language programming skills	2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Microprocessors & Interfacing	BELL502	To develop assembly		https://web.mitsgwalior.in/images/Departments/electr
		language programming skills	2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Electromagnetic Fields	BETL503	Introduces electromagnetic concepts to the		https://web.mitsgwalior.in/images/Departments/electr
		performance of	2017	onics engineering/April%202018%201 merged compr
		devices, circuits, and systems.		essed.pdf
Electromagnetic Fields	BELL503	Introduces electromagnetic concepts to the		https://web.mitsgwalior.in/images/Departments/electr
		performance of	2017	onics engineering/April%202018%201 merged compr
		devices, circuits, and systems.		essed.pdf
Optimization Techniques	BETL509	Create different optimization techniques		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Optimization Techniques	BELL509	Create different optimization techniques		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics_engineering/April%202018%201_merged_compr
				essed.pdf
Renewable Energy Resources	BETL510	Environment energy resources analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Renewable Energy Resources	BELL510	Environment energy resources analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Mechatronics	BETL511	Principles of mechanics		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Mechatronics	BELL511	Principles of mechanics		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
Linear Control Theory	BELL504	Control systems		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Linear Control Theory	BETL504	Control systems		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf

Digital Communication  BELL505  Communication techniques for industry  Digital Communication  BELL505  Communication techniques for industry  Digital Communication  BELL505  PCB design analysis  BELT506  PCB design analysis  BELT506  PCB design analysis  BELF506  PCB design analysis  BELF506  PCB design analysis  BELF507  Digital Communication  BELF508  PCB design analysis  BELF508  PCB design analysis  Digital Communication  BELF508  PCB design analysis  Digital Communication  BELF509  PCB design analysis  Digital Communication  BELF506  PCB design analysis  Digital Communication  BELF506  PCB design analysis  Digital Communication  BELF507  Digital Communication  Digital Communication  BELF508  PCB design analysis  Digital Communication  Digital	Digital Communication	DETLEGE	Communication techniques for industry		between the mailtaneous lines in times and a Domestic and a landon
BELL505   Communication techniques for industry   BELL505   Communication techniques for industry   2017   https://web.mitsgwallor.in/images/Departments/electronics. Workshop   BETL506   PCB design analysis   2017   onics. engineering/April%202018%201 merged compr. essed.pdf   2017	Digital Communication	BETL505	Communication techniques for industry		https://web.mitsgwalior.in/images/Departments/electr
Digital Communication  BELLSOS  Communication techniques for industry  BELLSOS  PCB design analysis  BELSOG  PCB design analysis  BELPSOG  BELPSOG  BELPSOG  BELPSOG  BELPSOG  PCB design analysis  DELPSOG  BELPSOG  BELPSOG  Advanced Control System  Advanced Control System  TA41  Control systems and realization techniques  DELLYOI  Advanced Control System  BELLYOI  Control systems and realization techniques  DELLYOI  Advanced Control System  BELLYOI  Control systems and realization techniques  DELLYOI  Advanced Control System  DELLYOI  Control systems and realization techniques  DELLYOI  Advanced Control System  DELLYOI  DELLYOI  Advanced Control System  DELLYOI  DELLYOI  Advanced Control Systems  DELLYOI  Control systems and realization techniques  DELLYOI  DELLYOI  DELLYOI  DELLYOI  DELLYOI  Advanced Control Systems  DELLYOI  DELLYOI  DELLYOI  An understanding of microwave waveguides, passive  B a citive devices  An understanding of microwave waveguides, passive  B a citive devices  DELLYOI  An understanding of microwave waveguides, passive  B a citive devices  DELLYOI  An understanding of microwave waveguides, passive  B a citive devices  DELLYOI  An understanding of microwave waveguides, passive  B a citive devices  DELLYOI  An understanding of microwave waveguides, passive  B a citive devices  DELLYOI  An understanding of microwave waveguides, passive  B a citive devices  DELLYOI  An understanding of microwave waveguides, passive  B a c				2017	
Electronics Workshop  BETL506  PCB design analysis  DCB design analysis  Electronics Workshop  BELF506  PCB design analysis  Electronics Workshop  BELF506  BELF506  PCB design analysis  DCB design analysis  Electronics Workshop  BELF506  BELF506  PCB design analysis  DCB design ana					
essed_pdf  lettronics Workshop  BETL506  PCB design analysis  Intros://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed_pdf  Advanced Control System  Advanced Control System  BELL701  Control systems and realization techniques  BELL701  Control systems and realization techniques  BETL701  Control systems and realization techniques  BETL701  Control systems and realization techniques  BETL701  Control systems and realization techniques  Microwave Engineering/April%202018%201 merged compressed_pdf  Intros://web.mitsgwalior.in/images/Departments/electronics_engineering/April%202018%201 merged compressed_p	Digital Communication	BELL505	Communication techniques for industry		
Electronics Workshop  BETL506  PCB design analysis  DELF506  PCB design analysis  Electronics Workshop  BELF506  PCB design analysis  DELF506  DELF506  PCB design analysis  DELF506  DELF507  DELF507  DELF507  DELF507  DELF507  DELF507  DELF507  DELF				2017	
Electronics Workshop  BELP506  BELP506  PCB design analysis  T441  Control systems and realization techniques  Advanced Control System  Advanced Control System  BELL701  Control systems and realization techniques  Advanced Control System  BELL701  Control systems and realization techniques  T1701  T1702  T1703  T1703  T1703  T1703  T1703  T1703  T1703  T1704					·
Electronics Workshop  BELF506  PCB design analysis  https://web mitsgwalior.in/images/Departments/electronics engineering/Aprilks/202018%/201 merged compressed.pdf  Advanced Control System  Advanced Control System  Advanced Control System  Advanced Control System  BELL701  Control systems and realization techniques  BELL702  Advanced Control System  BELL701  Control systems and realization techniques  BELL702  An understanding of microwave waveguides, passive & active devices  BELL702  An understanding of microwave waveguides, passive & active devices  BELL702  An understanding of microwave waveguides, passive & active devices  BELL702  Microwave Engineering  BELL702  An understanding of microwave waveguides, passive & active devices  BELL703  Wireless communication  T443  Wireless communication  BELL703  Wireless communication  BELL704  Microwave Mobile Communication  BELL705  BELL706  BELL707  BELL707  BELL707  BELL708  BELL708  BELL709  BELL709  BELL709  BELL709  BELL700  BELL700  BELL700  BELL700  BELL700  BELL701  An understanding of microwave waveguides, passive & active devices  BEL701  BEL702  BEL703  BEL703  BEL704  BEL705  BEL705  BEL706  BEL707  BEL707  BEL707  BEL708  BEL708  BEL708  BEL709  BEL709  BEL709  BEL709  BEL709  BEL700  BE	Electronics Workshop	BETL506	PCB design analysis		https://web.mitsgwalior.in/images/Departments/electr
BELF506 PCB design analysis  TA41 Control systems and realization techniques  TA42 Control systems and realization techniques  TA43 Control systems and realization techniques  TA44 Control systems and realization techniques  TA45 Control systems and realization techniques  TA46 Control systems and realization techniques  TA47 Control systems and realization techniques  TA48 Control systems and realization techniques  TA49 Control systems and realization techniques  TA49 Control systems and realization techniques  TA40 Control systems and realization techniques  TA41 Control systems and realization techniques  TA42 Control systems and realization techniques  TA42 Control systems and realization techniques  TA44 Control systems and realization techniques  TA44 Control systems and realization techniques  TA44 Control systems and realization techniques  TA45 Control systems and realization techniques  TA46 Control systems and realization techniques  TA47 Control systems and realization techniques  TA48 Control systems and realization techniques  TA49 Con				2017	onics engineering/April%202018%201 merged compr
Advanced Control System  7441 Control systems and realization techniques  Tonics engineering/April%202018%201 merged compressed.pdf  Advanced Control System  BELL701 Control systems and realization techniques  BELL701 Control systems and realization techniques  Tonics engineering/April%202018%201 merged compressed.pdf  Tonics engineering/April%202018%201 merged compressed.pdf  Advanced Control System  BETL701 Control systems and realization techniques  Tonics engineering/April%202018%201 merged compressed.pdf					essed.pdf
Advanced Control System  7441 Control systems and realization techniques  Advanced Control System  8ELL701 Control systems and realization techniques  Advanced Control System  8ELL701 Control systems and realization techniques  Advanced Control System  8ETL701 Control systems and realization techniques  8ETL702 Control systems and realization techniques  8ETL703 Control systems and realization techniques  8ETL704 Control systems and realization techniques  8ETL705 Control systems and realization techniques  8ETL706 Control systems and realization techniques  8ETL707 Control systems and realization techniques  8ETL708 Control systems and realization techniques  8ETL709 Control systems and realization techniques  8ETL701 Control systems and realization techniques  8ETL702 Control systems and realization techniques  8ETL703 Control systems and realization techniques  8ETL704 Control systems and realization techniques  8ETL705 Control systems and realization techniques  8ETL706 Control systems and realization techniques  8ETL707 Control systems and realization techniques  8ETL708 Control systems and realization techniques  8ETL709 Control systems and realization techniques  8ETL701 Control systems and realization techniques  8ETL702 Control systems and realization techniques  8ETL703 Control systems and realization techniques  8ETL704 Control systems and realization techniques  8ETL705 Control systems and realization techniques  8ETL706 Control systems and realization techniques  8ETL707 Control systems and realization techniques  8ETL708 Control systems and realization techniques  8ETL709 Control systems and realization techniques  8ETL701 Control systems and realization techniques  8ETL702 Control systems and realization techniques  8ETL703 Control systems and realization techniques  8ETL704 Control systems a	Electronics Workshop	BELP506	PCB design analysis		https://web.mitsgwalior.in/images/Departments/electr
Advanced Control System  7441 Control systems and realization techniques  Advanced Control System  BELL701 Control systems and realization techniques  Advanced Control System  BELL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL702 Control systems and realization techniques  Advanced Control System  BETL703 Control systems and realization techniques  Advanced Control System  BETL704 Control systems and realization techniques  Advanced Control System Control Systems and realization techniques  Advanced Control System Control Systems and realization techniques  Advanced Control System Control Systems integral Control Systems integrated Control System integral Control Systems integral Control Systems integral Control System integral Control Systems integral Control System integral Control System integral Control Systems i				2017	onics engineering/April%202018%201 merged compr
Advanced Control System  BELL701 Control systems and realiztion techniques  Advanced Control System  BETL701 Control systems and realiztion techniques  Advanced Control System  BETL701 Control systems and realiztion techniques  Advanced Control System  BETL701 Control systems and realiztion techniques  Advanced Control System  BETL701 Control systems and realiztion techniques  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  BELL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL703 Wireless communication  T443 Wireless communication  BELL703 Wireless communication  BELL703 Wireless communication  BELL703 Wireless communication  BETL703 Wireless communication  Description of the proper compressed pdf  Cellular & Mobile Communication  BETL703 Wireless communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the proper compressed pdf  Cellular & Mobile Communication  Description of the p					essed.pdf
Advanced Control System  BELL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  Table Control System Seed.pdf  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  BELL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL703 Wireless communication  Table Seed.pdf  Cellular & Mobile Communication  BELL703 Wireless communication  BETL703 Wireless communication  Description on the proper	Advanced Control System	7441	Control systems and realiztion techniques		https://web.mitsgwalior.in/images/Departments/electr
Advanced Control System  BETL701 Control systems and realiztion techniques  BETL701 Control systems and realiztion techniques  Advanced Control System  BETL701 Control systems and realiztion techniques  BETL701 Control systems and realiztion techniques  Advanced Control System  BETL701 Control systems and realiztion techniques  An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  BETL703 Wireless communication  BETL704 Wireless communication  BETL705 Wireless communication  BETL706 Wireless communication  BETL707 Wireless communication  BETL708 Wireless communication  BETL709 Wireless communication  BETL700 Wireless communication  BETL700 Wireless communication  BETL701 Wireless communication  BETL702 Wireless communication  BETL703 Wireless communication  BETL703 Wireless communication  BETL709 Wireless communication  BETL700 Wireless communication  BETL700 Wireless communication  BETL701 Wireless communication  BETL702 Wireless communication  BETL703 Wireless communication  BETL703 Wireless communication  BETL709 Wireless communication  BETL700 Wireless communication  BETL701 Wireless communication  BETL702 Wireless communication  BETL703 Wireless communication  BETL703 Wireless communication  BETL703 Wireless communication  BETL709 Wireless communicati				2017	
Advanced Control System  BELL701 Control systems and realiztion techniques  Advanced Control System  BETL701 Control systems and realiztion techniques  Advanced Control System  BETL701 Control systems and realiztion techniques  Control systems and realiztion techniques  BETL701 Control systems and realiztion techniques  Type Control systems and realiztion techniques  Control systems and realization techniques  Control systems and realization technique					
Advanced Control System  BETL701 Control systems and realization techniques  Advanced Control System  BETL701 Control systems and realization techniques  T442	Advanced Control System	BELL701	Control systems and realiztion techniques		
Advanced Control System  BETL701 Control systems and realization techniques  2017 Control systems and realization techniques  2017 Diffus://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf  https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  BELL703 Wireless communication  BELL703 Wireless communication  BETL703 Wireless communication  Diffuse://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf  https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf  https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf  https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf  https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf	,			2017	
Advanced Control System  BETL701 Control systems and realiztion techniques  2017 onics_engineering/April%202018%201_merged_compr_essed.pdf  An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BELL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  Microwave Engineering  BETL702 An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  Cellular & Mobile Communication  T443 Wireless communication  BELL703 Wireless communication  DELC703 Onics_engineering/April%202018%201 merged compr_essed.pdf  Cellular & Mobile Communication  T455//web.mitsgwalior.in/images/Departments/electr onics_engineering/April%202018%201 merged compr_essed.pdf  Cellular & Mobile Communication  DELC703 Onics_engineering/April%202018%201 merged compr_essed.pdf  Cellular & Mobile Communication  DELC704 Onics_engineering/April%202018%201 merged compr_essed.pdf  Cellular & Mobile Communication  DELC705 Onics_engineering/April%202018%201 merged compr_essed.pdf  Cellular & Mobil					
Microwave Engineering  7442 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BELL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BELL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  Microwave Engineering  BETL703  Wireless communication  BELL703  Wireless communication  BETL703  Wireless communication  BETL703  Wireless communication  BETL703  Wireless communication  BETL703  Wireless communication  DETL703  Wireless communication  DETL704  DETL704  DETL705  DETL705  DETL706  DETL707  DETL706  DETL707  DETL707  DETL708	Advanced Control System	BFTI 701	Control systems and realiztion techniques		
Microwave Engineering  7442 An understanding of microwave waveguides, passive & active devices  BELL702 An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702 An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  BELL703  Wireless communication  https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compressed.pdf  https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compressed.pdf		32.2702	oona or oyotomo ana realization testimiques	2017	
Microwave Engineering  7442 An understanding of microwave waveguides, passive & active devices  BELL702 An understanding of microwave waveguides, passive & active devices  BELL702 An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  BETL702 An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702 An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compr essed.pdf  Cellular & Mobile Communication  BELL703  Wireless communication  BELL703  Wireless communication  BETL703  Wireless communication  BETL703  Wireless communication  BETL703  Wireless communication  An understanding of microwave waveguides, passive & active devices  2017  https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compr essed.pdf  Cellular & Mobile Communication  https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compr essed.pdf				2017	
An understanding of microwave waveguides, passive & active devices  BELL702 Microwave Engineering Microwave Waveguides, passive & active devices  Microwave Engineering Mittps://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compr essed.pdf  Cellular & Mobile Communication  BELL703 Wireless communication  Microwave waveguides, passive 2017 2017 2017 2018  https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compr essed.pdf	Microwaye Engineering	7//2			
& active devices   essed.pdf	I wherewave Engineering	7442	An understanding of migrouply waveguides massive	2017	
Microwave Engineering  BELL702  An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702  An understanding of microwave waveguides, passive & active devices  Microwave Engineering  BETL702  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  Cellular & Mobile Communication  7443  Wireless communication  BELL703  Wireless communication  BELL703  Wireless communication  BELL703  Wireless communication  BETL703  Wireless communication  BETL704  An understanding of microwave waveguides, passive and https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  An understanding of mi				2017	
An understanding of microwave waveguides, passive & active devices  BETL702  An understanding of microwave waveguides, passive & active devices  An understanding of microwave waveguides, passive & active devices  Cellular & Mobile Communication  T443  Wireless communication  BELL703  Wireless communication  BELL703  Wireless communication  BELL703  Wireless communication  BETL703  Wireless com	Microwayo Engineering	DELL 702	& active devices		-
& active devices    BETL702	Iviicrowave Engineering	BELL/UZ		2017	
Microwave Engineering  BETL702  An understanding of microwave waveguides, passive & active devices  Cellular & Mobile Communication  T443  Wireless communication  BELL703  Wireless communication  BELL703  Wireless communication  BELL703  Wireless communication  BETL703  Wireless communication  Description  An understanding of microwave waveguides, passive onics engineering/April%202018%201 merged comproportion onics engineering/April%202				2017	
An understanding of microwave waveguides, passive & active devices  Cellular & Mobile Communication  7443  Wireless communication  BELL703  Wireless communication  BETL703  Wireless communication  An understanding of microwave waveguides, passive & active devices  Mireless communication  Description  2017  Onics engineering/April%202018%201 merged compressed.pdf  https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  BETL703  Wireless communication  BETL703  Wireless communication  Description  2017  Onics engineering/April%202018%201 merged compressed.pdf  https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf  Onics engineering/April%202018%201 merged compressed.pdf	National designation of the control	DET. 702	& active devices		·
& active devices       essed.pdf         Cellular & Mobile Communication       7443       Wireless communication       2017       https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compr essed.pdf         Cellular & Mobile Communication       BELL703       Wireless communication       https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compr essed.pdf         Cellular & Mobile Communication       BETL703       Wireless communication       https://web.mitsgwalior.in/images/Departments/electr onics engineering/April%202018%201 merged compr	Microwave Engineering	BEIL/02			
Cellular & Mobile Communication  7443 Wireless communication  2017 Onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  BELL703 Wireless communication  BELL703 Wireless communication  2017 Onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  BETL703 Wireless communication  BETL703 Wireless communication  BETL703 Wireless communication  BETL703 Wireless communication  2017 Onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  Description onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  Description onics engineering/April%202018%201 merged compressed.pdf				2017	
2017 onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  BELL703 Wireless communication  BELL703 Wireless communication  2017 onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  BETL703 Wireless communication  BETL703 Wireless communication  BETL703 Wireless communication  2017 onics engineering/April%202018%201 merged compressed.pdf  2017 onics engineering/April%202018%201 merged compressed.pdf					
Cellular & Mobile Communication   BELL703   Wireless communication   Mittps://web.mitsgwalior.in/images/Departments/electr   onics engineering/April%202018%201 merged compressed.pdf	Cellular & Mobile Communication	7443	Wireless communication		
Cellular & Mobile Communication  BELL703  Wireless communication  2017  Description  BELL703  Wireless communication  BELL703  Wireless communication  BETL703  Wireless communication  BETL703  Wireless communication  BETL703  Wireless communication  BETL703  Wireless communication  Description  Antips://web.mitsgwalior.in/images/Departments/electronics onics engineering/April%202018%201 merged compronics engineering/April%202018%201 merged comp				2017	
2017 onics engineering/April%202018%201 merged compressed.pdf  Cellular & Mobile Communication  BETL703 Wireless communication  BETL703 Wireless communication  Description:  Descriptio					·
Cellular & Mobile Communication   BETL703   Wireless communication   Mireless communication   https://web.mitsgwalior.in/images/Departments/electr   2017   onics_engineering/April%202018%201_merged_compr	Cellular & Mobile Communication	BELL703	Wireless communication		https://web.mitsgwalior.in/images/Departments/electr
Cellular & Mobile Communication BETL703 Wireless communication https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compr				2017	onics engineering/April%202018%201 merged compr
2017 onics engineering/April%202018%201 merged compr					essed.pdf
	Cellular & Mobile Communication	BETL703	Wireless communication		https://web.mitsgwalior.in/images/Departments/electr
				2017	onics engineering/April%202018%201 merged compr
					essed.pdf

VLSI Design	7444	Vlsi design, SOC design analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
VLSI Design	BELL704	VIsi design, SOC design analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				essed.pdf
VLSI Design	BETL704	VIsi design, SOC design analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
ATM Networks	ELL705	Operation of ATM networks		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
ATM Networks	BETL705	Operation of ATM networks		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics_engineering/April%202018%201_merged_compr
				<u>essed.pdf</u>
Selected Topics in Communication	ELL709	Advance communication analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics_engineering/April%202018%201_merged_compr
				<u>essed.pdf</u>
Selected Topics in Communication	BETL709	Advance communication analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics_engineering/April%202018%201_merged_compr
				<u>essed.pdf</u>
CMOS Technology	ELL710	SOC design		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
CMOS Technology	BETL710	SOC design		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Data Mining and Warehousing	ELL711	Data analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
Data Mining and Warehousing	BETL711	Data analysis		https://web.mitsgwalior.in/images/Departments/electr
			2017	onics engineering/April%202018%201 merged compr
				<u>essed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
		Advance topics in communication systems	2018	onics engineering/April%202018%201 merged compr
Advanced Communication Systems	600301			<u>essed.pdf</u>
				https://web.mitsgwalior.in/images/Departments/electr
		principles of operation of various blocks of Radar	2018	onics engineering/April%202018%201 merged compr
Radar System	600303	systems and Radar Range equation in detail.		<u>essed.pdf</u>

Dissertation Part-I	600306	Thesis	2018	https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf
Advanced Communication Systems	610301	Advance topics in communication systems	2018	https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf
Radar System	610302	principles of operation of various blocks of Radar systems and Radar Range equation in detail.	2018	https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf
Dissertation Part-I	610306	Thesis	2018	https://web.mitsgwalior.in/images/Departments/electronics engineering/April%202018%201 merged compressed.pdf
Artificial Intelligence & Expert Systems	BITL 701	The course introduces the variety of concepts in the field of artificial intelligence and expert systems. It discusses the philosophy of AI, and how to model a new problem as an AI problem. It describes a variety of models such as search, logic, Bayes nets, and MDPs, which can be used to model a new problem. It also teaches many first algorithms to solve each formulation. The course prepares a student to take a variety of focused, advanced courses in various subfields of AI.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
IT Infrastructure Management	BITL 703	This course attempts to introduce students to 'real world' risks and challenges in managing infrastructure.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Adhoc Network	BITL 704	Students will learn about a variety of applications in both the military and the civilian population worldwide such as in cases of enemy intrusion in the battlefield, object tracking, habitat monitoring, patient monitoring, fire detection and so on, where Ad-hoc networks are useful.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
E-Commerce	BITL 705	Foundations of E-Business systems, Infrastructure, Functional Areas, Decision Support for E-Business Systems	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Natural Language Processing	BITL 710	The course covers some of the most interesting applications of text mining such as entity linking, relation extraction, text summarization, text classification, sentiment analysis and opinion mining.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Software Engineering and Quality Assurance	BITL 711	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Agile Methodology	BITL 712	This course will explain underpinning philosophy and principles of Agile, lifecycle of an Agile project, including alternative configurations. The products produced during an Agile project and the purpose of these. The techniques used and their benefits and limitations. The roles and responsibilities within an Agile project. The Agile Project Management process can enable planning, management and control for predictable Agile project deliveries.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Networking with TCP/IP	BITL502	This course would cover the fundamental concepts of computer network and its types. overview of network layer, transport layer and application layer protocols for implementation of computer networking concept	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Software Engineering	BITL503	This course would be focused on the basic	2014	https://web.mitsgwalior.in/images/Departments/infor
		concepts of To understand the nature of		mation technology/BoS/BoS%20Proceedings/2.%20BoS
		software development and software life cycle		%20PROCEEDING%20MEETING%20HELD%20ON%2007
		process models,		%20APRIL%202018.pdf
		agile software development, SCRUM and other		
		agile practices. Brief overview To understand		
		project management and risk management		
		associated with various types of		
		projects, to know basics of testing and		
		understanding concept of software quality		
		assurance and software configuration		
		management process.		
Microprocessor & Interfacing	BITL504	Understanding of different processors and basic	2014	https://web.mitsgwalior.in/images/Departments/infor
		architecture of 16 bit microprocessor and their		mation technology/BoS/BoS%20Proceedings/2.%20BoS
		interfacing with memory and I/O devices,		%20PROCEEDING%20MEETING%20HELD%20ON%2007
		understanding of microcontrollers. Designing of		%20APRIL%202018.pdf
		systems using microprocessor and		
		microcontroller.		
Theory of Computation	BITL505	This course deals with concepts of TOC, which	2014	https://web.mitsgwalior.in/images/Departments/infor
		includes about finite autometa, regular		mation_technology/BoS/BoS%20Proceedings/2.%20BoS
		grammer, context free grammer, CSL and turing		%20PROCEEDING%20MEETING%20HELD%20ON%2007
		machine. That course makes student to		%20APRIL%202018.pdf
		employable and also develop skill to solve		
		different kind of newmerical problem those		
		include in competative examinations.		
Java Programming	BITL506	Design and development of efficient softwares	2015	https://web.mitsgwalior.in/images/Departments/infor
		using java programming that can solve the		mation technology/BoS/BoS%20Proceedings/2.%20BoS
		problem related to different domains.		%20PROCEEDING%20MEETING%20HELD%20ON%2007
				%20APRIL%202018.pdf
Internet Technology & Web	BITL 509	This course covers the basics of the Internet,	2015	https://web.mitsgwalior.in/images/Departments/infor
Desiging		building a web application, databases,		mation technology/BoS/BoS%20Proceedings/2.%20BoS
		performance and security, and building a mobile		%20PROCEEDING%20MEETING%20HELD%20ON%2007
		application.		%20APRIL%202018.pdf

Digital Electronics	160301	This is a comprehensive course on digital electronics training. The goal of the course is to learn the digital format of data and codes. It will assist students in understanding Number Systems, Numeric Codes, Logic Gates, Combinational Circuits, Sequential Circuits etc. for digital circuit-based applications.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Data Structures	160302	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Computer Graphics & Multimedia	160303	This course would be focused on the basic concepts of computer graphics techniques and display devices, to enhance the proficiency in image representations, 2D and 3D graphics transformations. Brief overview to develop awareness with various illumination, color models and multimedia system.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Object Oriented Programming & Methodology	160304	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Digital Electronics	160213	This is a comprehensive course on digital electronics training. The goal of the course is to learn the digital format of data and codes. It will assist students in understanding Number Systems, Numeric Codes, Logic Gates, Combinational Circuits, Sequential Circuits etc. for digital circuit-based applications.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Data Structures	160211	This course deals with different kind of data structures, which includes linked list, stack, array, tree and sorting. That course makes student to employable and also develop skill to solve algorithm, time complexity, space complexity related problem and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Computer Graphics & Multimedia	160411	This course would be focused on the basic concepts of computer graphics techniques and display devices, to enhance the proficiency in image representations, 2D and 3D graphics transformations. Brief overview to develop awareness with various illumination, color models and multimedia system.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Object Oriented Programming & Methodology	160212	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Hardware Lab	160305	Working of Hardware and sofware components of computer and other peripherals.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Image Processing	BITL801	The intent of this course is to familiarize the students to explain the fundamental concepts/issues of Computer Vision and Image Processing, and major approaches that address them. This course provides an introduction to computer vision including image acquisition and image formation models, radiometric models of image formation, image formation in the camera, image processing concepts, concept of feature extraction and selection for pattern classification/recognition, and advanced concepts like motion estimation and tracking, image classification, scene understanding, object classification and tracking, image fusion, and image registration, etc.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Data Warehouse & Data Mining	BITL802	The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Neural Networks & Fuzzy Systems	BITL803	This course will start with a brief introduction to fuzzy sets. The differences between fuzzy sets and crisp sets will be identified. Various terms used in the fuzzy sets and the grammar of fuzzy sets will be discussed. Fundamentals of neural networks and various learning methods will then be discussed.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Internet of Things and Applications	BITL804	This course will cover different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Parallel Processing	BITL601	Modern Parallel Computing is a hands-on course involving significant parallel programming on compute-clusters, multi-core CPUs and massive-core GPUs.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Mobile Computing	BITL602	This course covers interesting topics across a variety of mobile systems (wireless LANs, cellular systems, and sensor networks), and revisit the design of the various layers of the networking stack in the context of wireless communication.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Compiler Design	BITL604	This course deals with concepts of COmpile design, which includes lexical analyzer, syntax analyzer, sementics, ICG, code optimization and code ganeration. That course makes student to employable and also develop skill to solve different kind of newmerical problem those include in competative examinations.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Network & Web Security	BITL605	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Cloud Computing	BITL610	Clouds, Virtualization and Virtual Machine, Consensus, Paxos and Recovery in Clouds, Cloud Storage, P2P Systems and their use in Industry Systems	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Design & Analysis of Algorithms	160401	It provides the fundametal concepts of Algorithms design and its analysis in terms of time and space complextiy. It also teaches popular problem of the computer science with the help of concept development and coding	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Database Management System	160402	It is a collection of concept that enables the students to create and maintain a database. It provide the fundamental teminalogy to develop the full-fledge databases and it applicabity in the different domains.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf

Operating System	160403	It explains the concepts of interface working the computers in broader way. It gives the internal workings of the operating system in the conceptual manner.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Computer System Organization	160404	This course is concerned with the structure and behavior of a computer system as observed by the user. It serves as the link between hardware and software. It is involved with the elements of system interconnection. It enables students to design, create, and deploy applications that are better, quicker, cheaper, and more efficient in order to make informed decisions.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Programming Lab	160414	Design and development of efficient softwares using programming concepts that can solve the problem related to different domains.	2017	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Programming Lab	160405	Design and development of efficient softwares using programming concepts that can solve the problem related to different domains.	2017	https://web.mitsgwalior.in/images/Departments/information technology/BoS/BoS%20Proceedings/2.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20APRIL%202018.pdf
Fluid Mechanics	BCHL302	Pumps, flowmeters and valve	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2018-19%20Employbility%20courses compressed.pdf
Material & Energy Balance	BCHL303	Combustion calculation	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2018-19%20Employbility%20courses compressed.pdf
Fluid Particle Mechanics	BCHL304	Particales size reduction and screen analysis	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2018-19%20Employbility%20courses_compressed.pdf
Chemical Engineering Thermodynamics	BCHL305	Ideal and non ideal mixer and solutions	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2018-19%20Employbility%20courses compressed.pdf

Measurement & Instrumental	BCHP306	Accuracy precision and calibration	2016	https://web.mitsgwalior.in/images/Departments/chemi
Analysis Lab				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Elective-I Fluidization Engineering	BCHL501	Incepient fluidization	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2018-
				19%20Employbility%20courses_compressed.pdf
Organic Process Technology	BCHL503		2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2018-
		Synthesis of oils		19%20Employbility%20courses compressed.pdf
Mass Transfer -II	BCHL504	Seperation of component waste on difference	2017	https://web.mitsgwalior.in/images/Departments/chemi
		relative volatility		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Chemical Reaction EnggI	BCHL505	Reactors and flow analysis	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2018-
				19%20Employbility%20courses_compressed.pdf
Computational Methods in	BCHL506	Optimization of chemical processes	2017	https://web.mitsgwalior.in/images/Departments/chemi
Chemical Engg.				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Chemical Technology Lab	BCHP507	Synthesis of different chemicals	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				<u>teria%201%20updated/2018-</u>
				19%20Employbility%20courses compressed.pdf
Elective -II Inorganic Process	BCHL602			https://web.mitsgwalior.in/images/Departments/chemi
Technology		Cement industry, Pulp and paper industry	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		dement madstry), dip and paper madstry	2017	teria%201%20updated/2018-
				19%20Employbility%20courses_compressed.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Polymer Technology	BCHL603	Application of Polymer by using Technolgy	2017	s/chemical engineering/NAAC%20FILE%2016.12.22/1%
, 22 2 3,				20JULy%202018%20BOS merged compressed.pdf
				, and a supplier of the suppli

Process Modeling & Simulation	BCHL604			https://web.mitsgwalior.in/images/Departments/chemi
		Madelling of versions has been supposed	2047	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Modelling of reactors, heat exchangers	2017	teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Process Equipment Design	BCHL605			https://web.mitsgwalior.in/images/Departments/chemi
		Design of evaporators	2017	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Design of evaporators	2017	teria%201%20updated/2018-
				19%20Employbility%20courses_compressed.pdf
				https://web.mitsgwalior.in/images/Departments/chemi
Energy Technology	BCHL606	Hilization of anargy by using Tashnalay	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
Energy Technology	BCHLOOG	Utilization of energy by using Technolgy	2017	teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Process Engineering & Costing	BCHL701		2017	https://web.mitsgwalior.in/images/Departments/chemi
		Cost index capatalized cost		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Cost muex capatanzeu cost		teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Chemical Reaction EnggII	BCHL702	Reactors and flow analysis	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2018-
				19%20Employbility%20courses_compressed.pdf
Transport Phenomena	BCHL703	Couette flow,eflux from circular cone bottom	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
			2016	http://103.25.130.79/~mitsgwalior/images/Department
Petroleum Processing Technology	BCHL704	Application of petroleaum technology in the		s/chemical engineering/NAAC%20FILE%2016.12.22/1%
Fetioleum Flocessing reciniology	BCHL/04	process of chemical industry		20JULy%202018%20BOS merged compressed.pdf
				2010Ly%202018%20BO3 Hierged Compressed.pdr
			2016	http://103.25.130.79/~mitsgwalior/images/Department
Optimization Techniques	BCHL705	Application of optimization techniques to		s/chemical engineering/NAAC%20FILE%2016.12.22/1%
Optimization reciniques	BCHE703	chemical processes		20JULy%202018%20BOS merged compressed.pdf
Bio Process Technology	BCHL801		2017	https://web.mitsgwalior.in/images/Departments/chemi
		Biorectors, enzyme kinetics		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Biorectors, enzyme kinetics		<u>teria%201%20updated/2018-</u>
				19%20Employbility%20courses compressed.pdf

Membrane Seperation Process	BCHL802		2017	https://web.mitsgwalior.in/images/Departments/chemi
Wiembrune Seperation Frocess	Derizooz	Utilization of membrane in different filteration	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		process		teria%201%20updated/2018-
		process		19%20Employbility%20courses compressed.pdf
	BCHL803		2017	https://web.mitsgwalior.in/images/Departments/chemi
	Deritous		2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
Elective-V Process Safety & Hazards		Fall Tree analysis, event tree analysis		teria%201%20updated/2018-
Management				19%20Employbility%20courses compressed.pdf
Elective -VI Envioronmental	BCHL804		2017	https://web.mitsgwalior.in/images/Departments/chemi
Engineering	20.1200		_0_,	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Solid, Liquid waste disposal		teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Environmental Engg. Lab	BCHP806		2017	https://web.mitsgwalior.in/images/Departments/chemi
30				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Proximate ultimate analysis		teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Optimization Techniques in		Application of optimization techniques to		http://103.25.130.79/~mitsgwalior/images/Department
Chemical Engineering	650203	chemical processes	2016	s/chemical_engineering/NAAC%20FILE%2016.12.22/1%
				20JULy%202018%20BOS_merged_compressed.pdf
Distant Funda and an	650204	Application of Biology Facility and a to deather	2016	https://drive.google.com/file/d/1FLDupVAvpNrcv67lnF
Piping Engineering	650301	Application of Piping Engineering in industry	2016	KPceJrmc4sOTPo/view?usp=share_link
Elective II Chemical Reactor Design	650302			https://web.mitsgwalior.in/images/Departments/chemi
& Analysis		Nandallina of vandava	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Modelling of reactors	2017	teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Heat Transfer	170402		2016	https://web.mitsgwalior.in/images/Departments/chemi
		Lumped parameter for distributed heat transfer		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		equipments		teria%201%20updated/2018-
				19%20Employbility%20courses_compressed.pdf
Mass Transfer –I	170403		2016	https://web.mitsgwalior.in/images/Departments/chemi
		De land fount as lide Countaille stine		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Drying of wet solids, Crystalization		teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
Instrumentation & Process Control	170404			https://web.mitsgwalior.in/images/Departments/chemi
		Dravimata ultimata analysis	2010	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Proximate ultimate analysis	2019	teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf

Mechanical Design of Process Equipment	170405		2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20cri
Lquipment		Design of head and closures		teria%201%20updated/2018-
				19%20Employbility%20courses compressed.pdf
				https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Flow controllers, level control	2019	teria%201%20updated/2018-
Process Control Lab	170407			19%20Employbility%20courses_compressed.pdf
		Image Processing Systems, Image Enhancement		
		in spatial Domain, Image Enhancement in		https://web.mitsgwalior.in/images/Departments/Comp
Image Processing	BCSL 801	Frequency Domain, Image Restoration,	2018	uter-Science/BOS/07%20APRIL%202018.pdf
		Morphological Image Processing, Image		uter-science/BOS/07%20APRIL%202018.pui
		Registration, Image Segmentation		
		Data Mining, Data Warehouse and OLTP		
		Technology for Data Mining, Data Pre-		https://web.mitsgwalior.in/images/Departments/Comp
Data Warehouse and Data Minning	BCSL 802	processing, Mining Association Rules in Large	2018	uter-Science/BOS/07%20APRIL%202018.pdf
		Databases, Classification & Predication and		uter-science/BOS/07%20APRIL%202016.pui
		Cluster Analysis		
		Fuzzy Sets, Fuzzy reasoning, Fuzzy clustering,		
	BCSL 803	Neural Networks, Multi-layer Feed-Forward		https://web.mitsgwalior.in/images/Departments/Comp
Neural Networks & Fuzzy Systems		Neural Network, Self-Organizing Map Radial	2018	uter-Science/BOS/07%20APRIL%202018.pdf
		Basis FunctionNetwork, Genetic-Fuzzy system;		uter-science/BOS/07%20APRIL%202018.pdi
		Genetic-Neural System		
Internet of Things and Application	D.CCI 00.4	Training on Internet of Things organized by	2018	https://web.mitsgwalior.in/images/Departments/Comp
Internet of Things and Application	BCSL 804	Advance Tech India Pvt. Ltd	2018	uter-Science/BOS/07%20APRIL%202018.pdf
Major Project-II	BCSD 805	Project Based Learning, Evaluation based on	2018	https://web.mitsgwalior.in/images/Departments/Comp
Major Project-II	BC3D 803	project and presentation	2016	uter-Science/BOS/07%20APRIL%202018.pdf
Artificial Intelligence and Expert		KNOWLEDGE AND REASONING, UNCERTAIN		https://web.mitsgwalior.in/images/Departments/Comp
Systems	BCSL 701	KNOWLEDGE AND REASONING, PLANNING AND	2018	uter-Science/BOS/07%20APRIL%202018.pdf
Systems		LEARNING, EXPERT SYSTEMS		<u>uter-science/b03/07/20AFRIL/202018.pui</u>
		Distributed Computing Model, Distributed Share		
Distributed Systems	BCSL 702	Memory, Distributed File System, Inter Process	2017	https://web.mitsgwalior.in/images/Departments/Comp
Distributed Systems	BC3L 702	Communication and Synchronization,	2017	uter-Science/BOS/07%20APRIL%202018.pdf
		Distributed Scheduling and Deadlock		
		MANET, MANET (MAC, Routng), Opportunistc		https://web.mitsgwalior.in/images/Departments/Comp
Adhoc Networks	BCSL 704	Mobile Neteorks, UAV neteorks, Wireless Sensor	2018	uter-Science/BOS/07%20APRIL%202018.pdf
		Neteorks		<u>uter-science/BO3/07/020AFRIL/0202010.pul</u>

E-Commerce	BCSL 705	E-commerce and its Technological Aspects, Consumer Oriented E Commerce, Electronic Data Interchange, Security in E Commerce, Issues in E Commerce	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Grid Computing	BCSL 709	Grid Architecture, Open Grid Service Architecture (OGSA), WSRF and Data Grids, Networking Infrastructure, Protocols and Quality of Service, Security, Accounting and Assurance, Grid Scheduling, Resource Management, Resource Brokers, Resource Reservations	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Natural Language Processing	BCSL 710	NLP tasks in syntax, semantics, and pragmatics, The role of language models, Lexical syntax. Hidden Markov Models, Basic Neural Networks, LSTM Recurrent Neural Networks, Syntactic parsing, Semantic Analysis	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Software Testing and Quality Assurance	BCSL 711	Software Structure and Software Testing, Testing Tactics, Testing & Levels, Special Tests, Test Planning	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Agile Methodology	BCSL 712	Fundamentals of Agile, Agile Serum Framework, Agile Testing, Agile, Software Design and Develppment, Industry Trends	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Parallel Processing(E-II)	BCSL601	Multi programming and Time Sharing, Principles of Pipelining, Vector Processing, Array Processing, Multiprocessor Architecture, Programming & Control, Process Synchronization mechanism	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Information Theory & Coding (E-II)	BCSL609	Entropy, its characterization and related properties, Huffman codes, Shannon-Fano coding, Error correcting codes, Convolution encoding, Threshold decoding, Cyclic binary codes, Combinatorial Designs, Network Coding	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Cloud Computing (E-II)	BCSL610	Cloud Computing Architecture, Service Management, Data Management, Resource Management, Cloud Security	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf

Mobile Computing	BCSL602	Personal Communication Services(PCS), General Packet Radio Services(GPRS), Wireless Application Protocol(WAP), Third Generation (3G) Mobile Services, Wireless Local Loop (WLL)	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Software Project Management	BCSL603	PROJECT EVALUATION AND PROJECT PLANNING, PROJECT LIFE CYCLE AND EFFORT ESTIMATION, ACTIVITY PLANNING AND RISK MANAGEMENT, PROJECT MANAGEMENT AND CONTROL, STAFFING IN SOFTWARE PROJECTS	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Compiler Design	BCSL604	Translation Process, Lexical Analysis, Syntax Analysis, Semantic Analysis, Code Generation and Code Optimization	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Network & web Security	BCSL605	Security Principles, Cryptography, Hash Functions, IP & Web Security, Phishing	2015	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Minor Project	BCSP606	In this course the students apply the programming knowledge into a real- world situation/problem and exposed the students how programming skills helps in developing a good engineer	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Self Study	BCSS607	Self Study based Course	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Seminar/ Group Discussion	BCSS608	Evaluation based on seminar presentation, and group discussion	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Principle of management & Economics	BCSL501	Introduction to Management, Evolution of Management, Planning, Forecasting and Premising, Decision-making, The Mathematics of Supply and Demand, Demand Elasticity	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Networking with TCP/IP(E-I)	BCSL502	TCP/IP model, Subnetting and Supernetting, TCP and UDP Protocols, Routing Protocols, Troubleshooting Principles	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Internet Technology & web Designing(E-I)	BCSL509	Internet Technology and Protocol, Internet Connectivity, Electronic Mail, Web Publishing and Browsing, HTML Programming Basics, Internet Security Management Concepts	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf

Management Information System(E-I)	BCSL510	Management Information systems :Types of MIS, Capabilities, Complements, Database management systems, Data Warehousing, Foundations of business intelligence, Data and Text Mining, Strategic Enterprise Systems, Operational Support Systems, Mobile and Ecommerce, Knowledge Management	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Software Engineering	BCSL503	Requirement Engineering, Software Metrics, Project Management and Estimation, Software Testing	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
MicroProcessor & Interfacing	BCSL504	Microprocessors (8086), Basic Peripherals and Interfacing, Special Purpose Programmable Peripheral Devices and Interfacing, Serial and Parallel Data Transfer, Microcontrollers	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Theory of Computation	BCSL505	Automata, Computability and Complexity, Push down Automata, Turing Machine, Decidability	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab( Java Programming)	BCSP506	Java Programming Basics, Object-oriented programming with Java Classes and Objects, Extending Classes and Inheritance, Exception handling, String Package and Multithreading, Threads, The I/O Package	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Self Study	BCSS507	Self Study based Course	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Seminar/ Group Discussion	BCSS508	Evaluation based on seminar presentation, and group discussion	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Design and Analysis of Algorithms	150401	Algorithms and its importance, Algorithm Design Methods (Divide and Conquer Method, Greedy Method, Dynamic Programming, Backtracking), Algorithm Analysis	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Database Management System	150402	SQL, Normalization, Transaction Processing & Concurrency Control	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Operating System	150403	Basics of operating systems, Process management, Memory management, Storage management	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Computer System Organization	150404	Central Processing Unit (CPU), Computer Arithmetic, Microprocessors, Input-Output Organization, Memory Organization	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf

Programming Lab	150405	Three Week Workshop under Infosys Campus Connect Program in Collaboration with CodeWar Club on Introduction to Programming and Problem Solving in Python	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Digital Electronics	150301	Number System, Boolean Algebra, Boolean Functions, Boolean Relations, Digital Logic Gates, Combinational Circuits, Sequential Circuits, Memory Decoding, Sequential Programmable Devices	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Data Structures	150302	Algorithms, Arrya, Linked List, Stack, Queue, Graph, Tree, Searching and Sorting	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Computer Graphics	150303	Interactive Computer Graphics, Scan Conversion Technique, 2D & 3D Transformations, Clipping	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Object Oriented Programming and Methodology	150304	Object Oriented Concepts, Programming Techniques, Classes & Objects, Constructors and Destructors, Polymorphism, Inheritance, Pointer & File Concept	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Hardware lab	150305	Hardware components, Connections, Buses, Memory Devices, Microprocessor, Input/Output Devices, Networking, Troubleshooting	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Self Learning/ Presentation(SWAYAM/ NPTEL/MOOC)	150306	Self Learning through MOOC courses	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Dissertation Part-II	620401	The dissertation gives the chance to explore a topic of interest in depth; it gives you practice in essential writing skills; and it should sharpen your capacity for analysis and posing questions.	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Image Processing and Retrieval Techniques	620301	Denoising with different noise models, deblurring with different models, Reflection removal, Image-based forensics, mage compression,	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf

Network Security	620302	Attacks, Services and Mechanisms, Security Attacks, Security Services, Integrity check, digital Signature, authentication, hash algorithms, Secret Key Cryptography, Hash Functions and Message Digests, Public key Cryptography, Authentication	2018	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20APRIL%202018.pdf
Seminar	620303	Seminar Based evaluation	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Dissertation Part-I	620304	A dissertation is a long-form piece of academic writing based on original research conducted by students	2018	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20APRIL%202018.pdf
Advance Database Management System	620201	Overview of storage and indexing, Hash Based Indexing, Query Optimization, Object Databases, Distributed Databases	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Soft Computing	620202	National Workshop on Soft Computing Techniques and its Applications	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Advance Algorithms and Design	620203	Algorithms Analysis, Asymptotic Notations, Algorithm Design Techniques, Divide And Conquer, Greedy Algorithms, Combinational Search and Optimization, Dynamic Programming, NP - Completeness	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Advance Topics in Data Mining & Warehousing	620204	Data Mining, Applications, Data Mining Models, Data Warehousing and OLAP, Challenges, Tools, Data Mining Principles, Data Preprocessing: Data Preprocessing Concepts, Data Visualization, Data Sets and Their Significance, Classification Models, Association Rules Mining, Cluster Analysis	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Adhoc & Sensor Based Networks	620205	MAC & ROUTING IN AD HOC NETWORKS, TRANSPORT & QOS IN AD HOC NETWORKS, MAC & ROUTING IN WIRELESS SENSOR NETWORKS, SECURITY IN AD HOC AND SENSOR NETWORKS	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-I	620206	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-II	620207	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf

Theoritical Foundation of Computer Science	620101	Sets, relations, equivalence relations, partial orders, functions, Propositional logic, predicate logic, Lambda notation for functions, Tree Structures, Graph structures,	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Distributed System	620102	Distributed Systems: Characterization of Distributed Systems, Distributed Architectural Models, Remote Invocation, security techniques, Mutual Exclusion Algorithms, distributed deadlock detection algorithms, Authentication in distributed systems	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Advanced Computer Architecture	620103	Processor Design Concepts, Instruction Pipeline Principles, Pipeline Scheduling Techniques, Superscalar Processing, Cache Memory Principles, Cache Memory Optimizations, Primary and Secondary Storage Systems	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Advanced Computer Networks	620104	Layered communication architecture, Advanced Routing algorithms, Network Congestion Control algorithms, Quality of service, Real Time Transport Protocol, Internetworking, Wireless Networks and Mobile Networks, Mobile IP, Mobile TCP, IP Security	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Mobile Computing &M-Commerce	620105	overview of wireless telephony: cellular concept, GSM, channel structure, location management: HLR-VLR, hierarchical, handoffs, channel allocation in cellular systems, CDMA, GPRS. Wireless Networking, Data management, Mobile Agents computing	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Lab-l	620106	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-II	620107	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
SAD and Software Engineering	680101	Discover what the business is trying to do to reach its objectives by addressing specific problems or opportunities	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018_compressed.pdf
Mathematical Foundation of Computer Science	680102	Apply the concepts of mathematics to the suitable technique for relevant industries and contribution to the society	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf

		<del>                                     </del>		T
Programming and Problem Solving in C	680103	Use the techniques, skills and modern tools like new GUI etc necessary for program development	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Computer Organization and Assembly Language Programming	680104	Write Assembly language programs.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Communication Skills	680105	Implement professional work habits necessary for effective collaboration and cooperation with others	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Programming Laboratory in C	680106	Design an algorithm solution for a given problem	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Assembly Language Programming Lab	680107	Write the code to access registers and retrieve the memory address of pointers and values.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Multimedia Systems	680201	Develop multimedia virtual reality application using some author-ware.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018_compressed.pdf
Computer Graphics	680202	Demonstrate their ability to use modern 3D computer graphics techniques, models, and algorithms to solve graphics problems.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018_compressed.pdf
Data Structure	680203	Analyze different data structures technique and pick an appropriate data structure for a design situation.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018_compressed.pdf
Computer Oriented Numerical & Statistical Methods	680204	Applying the concepts of the studied topics to the suitable technique for relevant industries and contribution to the society	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Accounting & Management Control	680205	Develop a broad understanding of journal, ledger, cash book and financial statements of a business organization	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Data Structure Programming Lab	680206	Execute appropriate sorting/searching technique for given problem.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Programming Lab in Computer Graphics	680207	Design and implement models of surfaces, lights, sounds, and textures (with texture transformations) using a 3D graphics API.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf

Computer Oriented Optimization	680301	Evaluate and Implement suitable techniques relevant for industries and contribute to the society.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Operating System	680302	Apply the various resource management techniques for distributed systems	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Object Oriented Methodology & C++	680303	Design the solution for societal beneficiary problems using C++ features and the Standard Template Library	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Database Management System	680304	Analyze an information storage problem and derive an information model expressed in the form of an entity relation diagram and other optional analysis forms, such as a data dictionary, file and page organizations, indexing methods including B tree, and hashing.	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018_compressed.pdf
Managerial Economics	680305	Develop an understanding of professional and ethical responsibilities so as to analyze and solve contemporary issue	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018_compressed.pdf
Minor Project-I(VB+MySqI)	680306	Construct database application system solutions to a broad range of query problems.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
C++ Programming Lab	680307	Design the classes and constructs for real time software as per societal needs.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Theory of Computation	680401	Demonstrate key notions, such as algorithm, computability, decidability, and complexity through problem solving.	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Artificial Intelligence and Machine Learning	680402	Develop intelligent algorithms for constraint satisfaction problems and also design intelligent systems for Game Playing.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Unix and Shell Programming (Elective-I)	680403	Identify Unix utilities to create and manage simple file processing operations, as well as more complex tasks.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Java Programming and Technologies	680404	Implement Java programs comprising more than one class, to address a particular software problem.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf

Computer Networks and Communication	680405	Justify the use of cryptography, security and networking techniques and other concepts of computer networks for providing better network/applications in society	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Minor Project-II (Java and MySQL)	680406	Identify classes, objects, members of a class and relationships among them needed for a specific problem.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Programming Lab in Unix and Shell Programming	680407	Design a text file with the vi text editor using the standard vi editor commands.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Analysis and Design of Algorithms	680501	Demonstrate a number of standard algorithms for problems in fundamental areas in computer science and engineering such as sorting, searching, and problems involving graphs.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Network and Cyber Security	680502	Evalute appropriate resources to stay abreast of the latest industry tools and techniques analyzing the impact on existing systems and applying to future situations.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Web Technologies and Cloud Computing	680503	Explore some important cloud computing driven commercial systems such as Google Apps, Microsoft Azure and Amazon Web Services and other businesses cloud applications	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018_compressed.pdf
Elective-I (.NET Technologies and C#)	680504	Develop web-based distributed applications using C#, ASP.NET, SQL Server and ADO.NET	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018_compressed.pdf
Elective-II ( Data Warehousing and Mining)	680505	Select appropriate DM tools and methods for clustering, association, and classification in order to design a data mart or data warehouse for any organization.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Minor Project-III (Web Based Application Using .NET)	680506	Recognize the professional ethics and team management principles.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
Programming Lab in PHP and Web Technologies	680507	Demonstrate web application using PHP web Framework.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf

ı			I
680601	Recognize the professional ethics and team management principles.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-4- 2018 compressed.pdf
	FORM BUILDING(MODELS)and Product Design		https://web.mitsgwalior.in/images/Departments/archit
210101		2017	ecture planning/BOS/BOS%20APRIL%202018.pdf
	Solve basic problems involving graphics and spatial		https://web.mitsgwalior.in/images/Departments/archit
	manipulations for architectural Isometric view: Exterior		ecture planning/BOS/BOS%20APRIL%202018.pdf
	· ·		
210103		2017	
	·		https://web.mitsgwalior.in/images/Departments/archit
			ecture planning/BOS/BOS%20APRIL%202018.pdf
			ecture_planning/BOS/BOS/020A1 NIE/0202016.pdf
	1		
240407		2047	
210107		2017	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		https://web.mitsgwalior.in/images/Departments/archit
			ecture planning/BOS/BOS%20APRIL%202018.pdf
210104	products for designing and model making	2017	
			https://web.mitsgwalior.in/images/Departments/archit
	Study of contemporary practices & design for town houses		ecture planning/BOS/BOS%20APRIL%202018.pdf
	· ·		
	façade elements such as the balancing of solids & voids,		
	adoption of a system of proportioning and elements of		
	· · · · · · · · · · · · · · · · · · ·		
	buildings in urban areas with concepts that respond to		
		2017	
	210101 210103 210107 210104	FORM BUILDING(MODELS)and Product Design  Solve basic problems involving graphics and spatial manipulations for architectural Isometric view: Exterior view of a simple residential building showing all building components.  Axonometric view: Axonometric view of a room interior showing all interior components.  Enhance the communication skills in English by developing their listening, speaking, reading and writing skills, speaking skills with specific reference to prospective/actual clients, suppliers, business partners and colleagues, reading ability of journals, research articles etc & develop their writing skills especially writing project proposals and reports.  U NIT-3Introduction, type of patterns, pattern making, preparation of moulds and moulding equipment detail. Associate properties of different materials and products for designing and model making  Study of contemporary practices & design for town houses and villas in urban areas, to sensitize the students towards life style, individual preferences, space – activity relationship and exploration of how material, color, texture and light affect the quality of spaces is the main focus. It is also intended as an exercise in massing & configuration of façade elements such as the balancing of solids & voids, adoption of a system of proportioning and elements of contemporary detailing. This design exercise will also attempt to involve the student in the built form / open space relationship & explore the connectivity between indoor & outdoor spaces./ Design independent residential	management principles.  FORM BUILDING(MODELS)and Product Design  2017  Solve basic problems involving graphics and spatial manipulations for architectural Isometric view: Exterior view of a simple residential building showing all building components.  Axonometric view: Axonometric view of a room interior showing all interior components.  210103  Enhance the communication skills in English by developing their listening, speaking, reading and writing skills, speaking skills with specific reference to prospective/actual clients, suppliers, business partners and colleagues, reading ability of journals, research articles etc & develop their writing skills especially writing project proposals and reports.  2017  U NIT-3Introduction, type of patterns, pattern making, preparation of moulds and moulding equipment detail.Associate properties of different materials and products for designing and model making  210104  Study of contemporary practices & design for town houses and villas in urban areas, to sensitize the students towards life style, individual preferences, space – activity relationship and exploration of how material, color, texture and light affect the quality of spaces is the main focus. It is also intended as an exercise in massing & configuration of façade elements such as the balancing of solids & voids, adoption of a system of proportioning and elements of contemporary detailing. This design exercise will also attempt to involve the student in the built form / open space relationship & explore the connectivity between indoor & outdoor spaces./ Design independent residential buildings in urban areas with concepts that respond to

	1	T		1
		UNIT-3DETAILS OF DOORS, WINDOWS & VENTILATORS:		https://web.mitsgwalior.in/images/Departments/archit
		Timber Doors and its Joints: Single, double-leaf, ledged		ecture planning/BOS/BOS%20APRIL%202018.pdf
		braced & battened door, framed ledged braced &battened		
		door, Paneled door, flush door, and Composite door.,		
		Timber Doors and its Joints: Single, double-leaf, ledged		
		braced & battened door, framed ledged braced &battened		
		door, Paneled door, flush door, and Composite		
		door.,Timbers Windows & ventilators: Casement(side hug &		
		top hug), Sliding pivoted (horizontal and vertical) foldingand		
		bay windows, fixed light of different sizes and		
		shapes.,Combined doors and windows and		
		ventilators.:Draw types of timber doors, windows,		
		ventilators and its joinery detail.		
Building Construction II	210302		2017	
		Exercise will be a group activity; to measure and draw the		https://web.mitsgwalior.in/images/Departments/archit
		floor plan along with the plot boundaries, four side		ecture planning/BOS/BOS%20APRIL%202018.pdf
		elevations, four sections, block plan, site plan of a large		ecture planning/ bos/ bos/020Ar NiE/0202018.pur
		building or a settlement with the help of CAD. In addition to		
		this drawing shall be prepared based on examples of		
		buildings by giving a sketch design. Drawings shall be		
		detailed enough to explain the complete design.:Develop		
Graphics - III	210303	Basic skills in visual composition using Graphics	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		UNIT 1 - MATERIAL STUDIO, Analyzethe culture of a place –		ecture_planning/BOS/BOS%20APRIL%202018.pdf
		building types such as the cultural center comprising of		<u> </u>
		spaces such as the art gallery, auditorium for performing		
		arts, library etc		
		UNIT - 2 HEALTHCARE BUILDINGS, Hospitals and Nursing		
		homes are a special category of buildings where functional		
		aspects such as planning, building services & the creation of		
Architectural Design V	AR501	a sterile environment become important design issues.	2017	
		UNIT-1 BUILDING MATERIALS –IV, UNIT -2 STEEL,		https://web.mitsgwalior.in/images/Departments/archit
		UNIT-3 WALL & FLOOR		ecture_planning/BOS/BOS%20APRIL%202018.pdf
		UNIT-4 PARTITIONS & FALSE CEILING:UNIT-5 THERMAL		
		INSULATION AND ACOUSTICS INSULATION		
Building Construction IV	AR502		2017	
		UNIT-1 ELECTRICAL SERVICES, UNIT-2 ILLUMINATION AND		https://web.mitsgwalior.in/images/Departments/archit
		LIGHTING DESIGN, UNIT-3 AIR CONDITIONING ,UNIT-4		ecture_planning/BOS/BOS%20APRIL%202018.pdf
Building Services II	AR503	PUMPS AND MACHINERIES, UNIT-5 ELECTRICAL AND AC DUCT LAYOUT OF SIMPLE BUILDINGS.	2017	
Banang Scrvices II	A11303	UNIT-1 CLIMATE &THERMAL COMFORT, UNIT-2 SOLAR	2017	https://www.mitago.glionin/issass/Documents/
		GEOMETRY & DESIGN OF SUNSHADING DEVICES		https://web.mitsgwalior.in/images/Departments/archit
		UNIT-3 PRINCIPLES OF THERMAL DESIGN IN BUILDINGS		ecture_planning/BOS/BOS%20APRIL%202018.pdf
Building Science and energy		UNIT-3 PRINCIPLES OF THERMAL DESIGN IN BUILDINGS  ,UNIT-4 VENTILATION & DAY LIGHTING		
conservation	AR504	UNIT-5 DESIGN FOR CLIMATIC TYPES	2017	
CONSCIVATION	ANJU4	OINTES DESIGN FOR CLIMATIC TIPES	2017	

		UNIT-1 INTRODUCTION& ELEMENTS OF		https://web.mitsgwalior.in/images/Departments/archit
		LANDSCAPE ARCHITECTURE AND LANDSCAPE		ecture planning/BOS/BOS%20APRIL%202018.pdf
		DESIGN		ectare planning, Body Body Body Hill / SEOE DE SI par
		UNIT-2 HISTORY OF LANDSCAPE ARCHITECTURE		
		& URBAN LANDSCAPE		
		UNIT-3 INTRODUCTION TO SITE ANALYSIS & SITE		
		INFLUENCING FACTORS		
		UNIT-4DESIGN OF LANDFORMS IN A SITE & SITE		
		PLANNING PRINCIPLES AND TECHNIQUES		
		UNIT-5 SITE CHARACTERISTICS AND DESIGN		
Site planning and Landscaping	AR505	REQUIREMENTS& LANDSCAPE EXERCISE.	2017	
Site planning and Landscaping	711.505	Student understands the construction, changing	2017	https://web.mitsgwalior.in/images/Departments/archit
		trends and lifestyles innovations and design		ecture planning/BOS/BOS%20APRIL%202018.pdf
Elective-I (Graphic Design )	AR506	ideas.	2018	cecure planning/ BOS/ BOS/ BOS/ NIE/0202010.pdf
Elective i (Grapine Besign )	711.500	UNIT-1 - The range of design problems shall	2010	https://web.mitsgwalior.in/images/Departments/archit
		include projects of progressively increasing		ecture planning/BOS/BOS%20APRIL%202018.pdf
		complexity.		eccure planning, bos, bos, bos, in the 10202010.par
		Exercises related to public buildings i.e,		
		Commercial center, hospital, Study and		
		incorporation of building bye-laws should be		
		complete in this Sem.		
		UNIT-2- The range of design problems shall		
		include projects of progressively increasing		
		complexity.		
		Exercises related to public buildings i.e.		
		Auditorium, sports cinema, sports complex &		
Architectural Design VII	AR 701	educational buildings.	2017	
		UNIT-1 SPECIAL STRUCTURES, UNIT- 2 ADVANCE		https://web.mitsgwalior.in/images/Departments/archit
		CONSTRUCTION SYSTEM, UNIT- 3 PRE STRESSED		ecture planning/BOS/BOS%20APRIL%202018.pdf
		CONCRETE		
		UNIT- 4 TALL BUILDINGS, UNIT- 5 SHELLS AND		
Advance Building Construction I	AR 702	FOLDED PLATES	2017	
Project Management & Building		Students obtain the ability to appreciate the		https://web.mitsgwalior.in/images/Departments/archit
Economics	AR704	three dimensional implications of design.	2017	ecture planning/BOS/BOS%20APRIL%202018.pdf
		Student understands the field of conservation,		https://web.mitsgwalior.in/images/Departments/archit
		its techniques and develop a base for practical		ecture_planning/BOS/BOS%20APRIL%202018.pdf
Elective-II (Conservation)	AR705	field work.	2018	

		Present and past paradigms in planning as the		https://web.mitsgwalior.in/images/Departments/archit
		distinct perspective(s) from which problems and		ecture planning/BOS/BOS%20APRIL%202018.pdf
		solutions are being defined. 'object-centred', the		
		'control-centred', and the 'decision-centred'		
Planning History & Theories	670101	paradigms.	2017	
		Anticipations of and response to future needs		https://web.mitsgwalior.in/images/Departments/archit
		for social, health and other human services with		ecture_planning/BOS/BOS%20APRIL%202018.pdf
		spatial planning, physical and social features like		
		topography, drainage, climate, population		
Socio-Economic Basis for Planning	670102	settlements etc.	2017	
		Methods or processes followed by planners in		https://web.mitsgwalior.in/images/Departments/archit
		preparing or evaluating their plans, programs,		ecture_planning/BOS/BOS%20APRIL%202018.pdf
Planning Techniques	670103	and policies.	2017	
		Defining future policies, goals, investments, and		https://web.mitsgwalior.in/images/Departments/archit
Infrastructure & Transportation		spatial planning designs to prepare for future		ecture_planning/BOS/BOS%20APRIL%202018.pdf
Planning	670104	needs to move.	2017	
		fundamental concepts and theories of Housing		https://web.mitsgwalior.in/images/Departments/archit
		and apply them		ecture_planning/BOS/BOS%20APRIL%202018.pdf
		in their design projects, various types of Housing		
Housing & Environmental Planning	670105	and its components.	2017	
		Film appreciation, literature review and area		https://web.mitsgwalior.in/images/Departments/archit
Studio Course-I	670106	appreciation	2017	ecture planning/BOS/BOS%20APRIL%202018.pdf
				https://web.mitsgwalior.in/images/Departments/archit
Studio Course-II	670107	Site Planning and prepare city development plan	2017	ecture planning/BOS/BOS%20APRIL%202018.pdf
		Identification of key issues related to the area of		https://web.mitsgwalior.in/images/Departments/archit
		planning & understanding of standards and		ecture_planning/BOS/BOS%20APRIL%202018.pdf
Seminar	670303	conventions of doing research.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		Standards and conventions of doing research		ecture_planning/BOS/BOS%20APRIL%202018.pdf
		and gain preliminary background information		
		that puts the research in contemporary context		
		and undertake research on past initiatives and		
Dissertation	670304	future possibilities in the area.	2017	
		Inclusive Planning, Stakeholders Profile and		https://web.mitsgwalior.in/images/Departments/archit
		Needs, Access to Shelter, Services and		ecture_planning/BOS/BOS%20APRIL%202018.pdf
Inclusive Urban Planning (Elective -I)	670301	Livelihoods	2017	
		Identification of key issues related to the area of		https://web.mitsgwalior.in/images/Departments/archit
Environment, Development and		planning & understanding of standards and		ecture_planning/BOS/BOS%20APRIL%202018.pdf
Disaster Management (Elective - II)	670302	conventions of doing research.	2017	

	1			
				https://web.mitsgwalior.in/images/Departments/archit
		PROJECT 1(Prototype ): SINGLE SPACE		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		DESIGN,PROJECT 2(Prototype): SMALL SCALE		EETING%20Oct.%202018 compressed.pdf
		MULTI-SPACE DESIGN		
		Enlighten the student on the design project		
		overview & the design process to be followed		
		through relevant presentations.		
		Present an analytical discourse on an identical		
		architectural design project covering		
		Architectural, elements, spaces & terms		
Architectural Design II	210201	Noted projects & architects, Space planning etc.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		UNIT-1 LOW-COST CONSTRUCTION - Foundation		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		and wallsin stabilized mud-rammed earth and		EETING%20Oct.%202018 compressed.pdf
		compact earth blocksIntroduction toLow-cost		
		construction techniques and materials with		
		combinations of mud and terra – cotta.		
		UNIT-2 INTRODUCTION OF BASIC BUILDING		
		COMPONENTS, UNIT-3 WALL, UNIT-4		
		INTRODUCTION TO OPENINGS		
		UNIT-5 ROOFS - Simple configurations and		
		details of various forms of roofs: Flat, sloped,		
Building Construction I	201202	pyramids and dome.	2017	
		UNIT-1 ELEMENTS AND PRINCIPLES OF		https://web.mitsgwalior.in/images/Departments/archit
		PERSPECTIVE DRAWING - Principles of		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		perspective drawings and understanding of all		EETING%20Oct.%202018 compressed.pdf
		relevant terms like Picture Plane, Centre line of		
		vision, Eye Level, Height Line, Vanishing Points,		
		Cone of Vision, Station Point, Horizon line,		
		Ground line etc. UNIT-2 TWO POINT		
		PERSPECTIVE VIEW OF BUILDINGS - Construction		
		of Two point perspective grid. UNIT-3 ONE		
		POINT INTERIOR PERSPECTIVE - Construction of		
		One point perspective grid, UNIT-4 SCIOGRAPHY,		
		UNIT-5 MEASURED DRAWING- To measure and		
		draw the Ground Floor Plan along with plot		
		boundaries, four side elevations, two sections,		
		block plan, site plan of existing single storied		
Graphics - II	210203	building	2017	
0. aprilios 11	210203	241141119	2017	

		Students obtain the ability of model making,		https://web.mitsgwalior.in/images/Departments/archit
		basics of rendering, presentation skills using		ecture planning/BOS/BOARD%200F%20STUDIES%20M
Workshop - II	210204	various materials.	2017	EETING%20Oct.%202018 compressed.pdf
		PROJECT 1(Prototype): VILLAGE SURVEY &		https://web.mitsgwalior.in/images/Departments/archit
		RURAL HOUSING , PROJECT 2(Prototype):		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		DESIGN OF COMMUNITY FACILITIES - Community		EETING%20Oct.%202018 compressed.pdf
		facilities –Design of Community hall, Nursing		
		home, Youth hostel, Old age home etc.,		
		encourage the student to explore concepts an		
		agglomeration of simple spaces with particular		
		emphasis on the special needs of elderly,		
Architectural Design IV	210401	handicapped etc.	2017	
		UNIT-1 BUILDING MATERIALS, UNIT -2 RCC		https://web.mitsgwalior.in/images/Departments/archit
		FOUNDATION - Introduction to RCC framed		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		structures, concrete foundation: Types of footing		EETING%20Oct.%202018_compressed.pdf
		<ul> <li>Isolated, combined, continuous, strip raft &amp;</li> </ul>		
		piles , UNIT-3 BEAMS AND SLABS, UNIT-4		
		RETAINING WALL, EXPANSION		
		JOINTS, AND WATERPROOFING -		
		Waterproofing basement, construction of pools,		
		fireplaces, and fuels. Fire safety construction		
		techniques, UNIT-5 CLADDING SYSTEMS &		
Building Construction III	210402	FINISHES	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		UNIT-1 WATER SUPPLY - Sources of water supply		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
		<ul> <li>Water Quality - Water requirements for</li> </ul>		EETING%20Oct.%202018_compressed.pdf
		different types of buildings and for town, simple		
		method of removal of impurities, Rainwater		
		harvesting to include roof top harvesting, type of		
		spouts, sizes of rainwater pipes and typical detail		
		of a water harvesting pit, UNIT-2 DRAINAGE AND		
		SEWAGE DISPOSAL, UNIT-3 SOLID WASTE		
		DISPOSAL, UNIT-4 EMERGING PROCESSING		
		TECHNOLOGIES, UNIT-5 PLUMBING AND FIRE		
		FIGHTING LAYOUT OF SIMPLE BUIDINGS -		
		Designing of toilet blocks in residential and		
		public buildings, showing complete details of		
		fittings and plumbing required for water supply		
		1 2 1 2 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2		

				https://web.mitsgwalior.in/images/Departments/archit
				ecture planning/BOS/BOARD%200F%20STUDIES%20M
		UNIT- 1 PROPERTIES OF STEEL SECTIONS & TYPES		EETING%20Oct.%202018 compressed.pdf
				EETING%200Ct.%202016 Compressed.pdf
		OF CONNECTIONS - Design of welded and bolted		
		connections for members subjected to axial		
		forces. Site visit to a steel fabrication unit.		
		UNIT-2 TENSION AND COMPRESSION MEMBERS,		
		UNIT -3 STEEL BEAMS, UNIT-4 STEEL TRUSSES &		
		GIRDERS - Study of the various types of roof		
		trusses , UNIT-5 INTRODUCTION TO LONG SPAN		
		STEEL STRUCTURAL SYSTEMS- Space frame		
		structural system in tubular steel – various types		
		of connectors – single / double & triple grid		
Structure IV	210405	space frames	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		PROJECT I: DESIGN FOR HOSPITALITY INDUSTRY -		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		The project requires the understanding of the		EETING%20July%202017.pdf
		special nature and functioning of the hotel		
		industry and to respond with suitable concepts		
		of space planning, circulation, interior design,		
		materials and lighting. PROJECT II: URBAN		
		INFRASTRUCTURE PROJECTS - Contemporary		
		transportation terminals and stadiums are large		
		buildings with multiple entries & exits dealing		
		with large crowds and having multiple levels		
		with large spans, complex services & demanding		
Architectural Design VI	AR601	environmental conditions.	2017	
		UNIT-1 INTRODUCTION TO THE STUDY OF		https://web.mitsgwalior.in/images/Departments/archit
		ACOUSTICS & SOUND TRANSMISSION,		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		ABSORPTION, INSULATION		EETING%20July%202017.pdf
		UNIT-2 NOISE CONTROL AND SOUND		
		REINFORCEMENT & ACOUSTICS IN BUILDING		
		DESIGN AND CONSTRUCTION		
		UNIT-3 FIRE FIGHTING SERVICES, UNIT-4 FIRE		
		FIGHTING SYSTEMS & BUILDING NORMS. UNIT-5		
		FIRE FIGHTING LAYOUT OF BUILDINGS & DESIGN		
Building Services III (Acoustic & Fire		AND DETAILING FOR ACOUSTICS OF		
Fighting)	AR602	MULTIPURPOSE HALLS.	2017	
001	,			

		UNIT-1 INTRODUCTION& ELEMENTS OF		https://web.mitsgwalior.in/images/Departments/archit
		LANDSCAPE ARCHITECTURE AND LANDSCAPE		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		DESIGN		EETING%20July%202017.pdf
		UNIT-2 HISTORY OF LANDSCAPE ARCHITECTURE		
		& URBAN LANDSCAPE		
		UNIT-3 INTRODUCTION TO SITE ANALYSIS & SITE		
		INFLUENCING FACTORS		
		UNIT-4DESIGN OF LANDFORMS IN A SITE & SITE		
		PLANNING PRINCIPLES AND TECHNIQUES		
Site Planning and Landscaping		UNIT-5 SITE CHARACTERISTICS AND DESIGN		
Architecture	AR604	REQUIREMENTS& LANDSCAPE EXERCISE.	2017	
		Student understands the contemporary issues in		https://web.mitsgwalior.in/images/Departments/archit
		urban planning, overall understanding of		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		classification of settlements, land-use, zoning		EETING%20July%202017.pdf
		and types of development plan, simple Town		
Town Planning	AR605	planning techniques,	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		This course help students in working at the city		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		and regional level organizations like municipal		EETING%20July%202017.pdf
Elective-II (Vastu)	AR606	corporations, development authorities etc.	2017	
		UNIT- 1 INTRODUCTION - Emergence of urban		https://web.mitsgwalior.in/images/Departments/archit
		design as a discipline, need for urban design,		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
		Elements of urban design(buildings, streets,		EETING%20July%202017.pdf
		public spaces, transports, other elements etc.		
		Principles of urban design- creating form and		
		spatial definition in articulation of urban design		
		expression.		
		UNIT- 2 STUDY AND ANALYSIS OF URBAN SPACES		
		IN HISTORY AND MODERN CONCEPTS		
		UNIT- 3 BASIC PRINCIPLES & TECHNIQUES IN		
		URBAN DESIGN, UNIT- 4 RENEWAL, RE-		
		DEVELOPEMENT AND FORMULATING URBAN		
		DESIGN, UNIT- 5 URBAN DESIGN SURVEY AND		
		PRESENTATION - Conducting an urban design		
		survey of Conservation of historic cities, open-		
		spaces, development of market spaces, transit		
		oriented developments, water front		
Urban desugn	AR 802	development in India.	2017	

				https://web.mitsgwalior.in/images/Departments/archit
		UNIT- 1 THE PROFESSIONAL ROLE OF AN		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		ARCHITECT & SERVICES RENDERED, UNIT- 2		EETING%20July%202017.pdf
		ARCHITECTURAL COMPETITIONS &		
		LEGISLATIONS- Regulations governing the		
		conduct of competitions, Types of competition		
		(open & closed competitions), appointment &		
		duties of Assessors, instructions to participants,		
		award of premium, UNIT- 3 EASEMENTS&		
		ARBITRATION- Easement Rights –Definition,		
		characteristics of an easement, Natural Rights		
		,Various easement rights- Easement of support,		
		Easement of light and air, Easement of right of		
		way, Easement of eave projection, etc , UNIT- 4		
		TENDER & CONTRACT, UNIT- 5 VALUATION&		
Professional Practice	AR803	RENT.	2017	
		Student understands the construction, changing		https://web.mitsgwalior.in/images/Departments/archit
Elective-IV		trends and lifestyles innovations and design		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
(Interior Design)	AR804	ideas.	2017	EETING%20July%202017.pdf
				https://web.mitsgwalior.in/images/Departments/archit
		Students get the acquisition of knowledge, skills		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		and experience for operating under an expert in		EETING%20July%202017.pdf
Training	AR1001	a particular field or area of specialisation.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		Planning, finance and manage urban areas.		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		Structures supported by effective land markets,		EETING%20Oct.%202018 compressed.pdf
		appropriate regulation, good public services,		
		adequate public finance and transparent and		
City & Metropolitan	670201	accountable city level political systems.	2017	
				https://web.mitsgwalior.in/images/Departments/archit
		Urban conservation in planning, its techniques		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Urban Heritage Conservation	670202	and Policies and Programmes, Legislations	2017	EETING%20Oct.%202018 compressed.pdf
		Finance at different stages, investment planning		https://web.mitsgwalior.in/images/Departments/archit
		and financing mechanism, project formulation		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
		and appraisal, project management and		EETING%20Oct.%202018_compressed.pdf
Urban Development Finance &		implementation, and project evaluation and		
Project Planning	670203	monitoring	2017	

		Planning legislation & concepts, urban policy, its		https://web.mitsgwalior.in/images/Departments/archit
		nature and process of making urban policy,		ecture planning/BOS/BOARD%200F%20STUDIES%20M
Legal Issues & Professional	670204	Professional Practice in planning	2017	EETING%20Oct.%202018 compressed.pdf
		Basic principles & methods of Research,		https://web.mitsgwalior.in/images/Departments/archit
		specifically in Design at Urban scale, and towards		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		helping them conducting their own		EETING%20Oct.%202018 compressed.pdf
		authentic & independent research. Research		
		basics, defining research problem, Research		
		Design, Developing a Research Plan, Plagiarism,		
Research Methodology	670205	IPR, etc.	2017	
		Dynamics of various components of the city and		https://web.mitsgwalior.in/images/Departments/archit
		level interventions with multi-dimensional,		ecture planning/BOS/BOARD%200F%20STUDIES%20M
Studio-I	670206	dynamic and futuristic spaces.	2017	EETING%20Oct.%202018 compressed.pdf
				https://web.mitsgwalior.in/images/Departments/archit
		Remote Sensing – Aerial and Satellite;		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
		introduction to GIS, Spatial data and Attribute		EETING%20Oct.%202018 compressed.pdf
		data; Satellite images as input to GIS; Collection		_ , , ,
Studio-II	670207	and presentation of baseline information.	2017	
		Students obtain understanding of standards and		https://web.mitsgwalior.in/images/Departments/archit
		conventions of doing dissertation and gain		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		preliminary background information that puts		EETING%20Oct.%202018 compressed.pdf
		the research in context and to clarify the focus of		
Thesis Project	670401	the study.	2017	
		Knowledge of Electromagnetic fields to		https://web.mitsgwalior.in/images/Departments/electri
		understand working principle of various power		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Electromagnetic Field Theory	130301	apparatus & machine	2017	
		Knowledge of measurement technique for		https://web.mitsgwalior.in/images/Departments/electri
		electrical/electronic parameters , accuracy and		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Measurement & Instrumentation	130302	need of calibration	2017	
		capable of analyzing any given electric/		https://web.mitsgwalior.in/images/Departments/electri
		electroncis networks, concepts of transients and		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
Network Analysis	130303	unbalanced three phase supply	2017	
		Understand the principle, operation and		https://web.mitsgwalior.in/images/Departments/electri
		applications of diode, BJT, FET, amplifier etc to		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
Analog Electronics	130304	develop electronic circuit	2017	
		MATLAB programing/ Simulink		https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
Software Lab - I	130305		2017	

		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Self Learning/Presentation	130306	andself learning	2017	
		Learn and sharpen in-demand technical skills		https://web.mitsgwalior.in/images/Departments/electri
				cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Summer Internship Project -I	130307		2017	
		Get aware towards varied management		https://web.mitsgwalior.in/images/Departments/electri
Principle of Managemant &		principles and practices		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Economics	BEEL501		2015	
		Understant the need of eneergy and generation		https://web.mitsgwalior.in/images/Departments/electri
Elective Power Generation and		and their economical analysis		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Economy	BEEL502		2015	
		Understand the need of harnessing alternate		https://web.mitsgwalior.in/images/Departments/electri
Non-Conventional Energy Resources		energy resources, its chalanges and applications		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
challenges & its applications	BEEL503		2015	
		Understand the role of control engineer in multi		https://web.mitsgwalior.in/images/Departments/electri
		disciplinary teams through modelling, design		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
		and analysis of physical system, implications of		
Control System Design	BEEL504	system stability,	2015	
		Understand various types transmission &		https://web.mitsgwalior.in/images/Departments/electri
		distribution system, economic aspects of power		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
		generation, analyse the performance of		
		transmission lines, distribution systems,		
Tansmission & Distribustion	BEEL505	insulators and cables.	2015	
		Develop basic concepts of ac machine, their		https://web.mitsgwalior.in/images/Departments/electri
		construtional details, working principle and		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Electrical Machines-II	BEEL506	characteristic based applications	2015	
		Simulation of electrical systems		https://web.mitsgwalior.in/images/Departments/electri
				cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Simulation Lab-III	BEEP507		2015	
		Develop skills for self learning		https://web.mitsgwalior.in/images/Departments/electri
				cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
Self Study	BEES508		2015	
		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
Seminar & Group Discussion	BEES509	and build teamwork.	2015	
		Overview of complete electric drive system		https://web.mitsgwalior.in/images/Departments/electri
		including the mechanical part, electric machine,		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
Electrical Drives	BEEL701	power converters & control	2015	

		Explore to keep the power system stable by		https://web.mitsgwalior.in/images/Departments/electri
		isolating only the components that are under		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
		fault, whilst leaving as much of the network as		
Switchgear & Protection	BEEL702	possible in operation.	2015	
		Basic concepts of load flow studies, voltage		https://web.mitsgwalior.in/images/Departments/electri
		stabilty and its enhencement, AI applications in		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
Computer Aided Power System	BEEL703	power system	2015	
		Imbibe different practical issues involve such as		https://web.mitsgwalior.in/images/Departments/electri
		site selection for power plant, physical layout,		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
		performance analysis, relationship between load		
		& power production for grounding in the key		
		concepts of power economics		
Power System Economics	BEEL704 A		2015	
		Various terminology, rules & regulations, policy		https://web.mitsgwalior.in/images/Departments/electri
		of enegy audit, energy tarriff, economics &		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
Energy Audit & Management	BEEL705 A	analysis, enegy conservations	2015	
		Develop feel of the actual working environment		https://web.mitsgwalior.in/images/Departments/electri
		and to gain practical knowledge and skills		cal_engineering/BoS/2.%20BoS%2020.03.2018.pdf
Industrial Training	BEET706		2015	
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
		management and presentation spheres.		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Major Project I	BEED707		2015	
		develop skills for self learning, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal engineering/BoS/2.%20BoS%2020.03.2018.pdf
Seminar/Group Discussion	BEES708	and build teamwork.	2015	
		Basic idea about microprocessor & its		https://web.mitsgwalior.in/images/Departments/electri
		programming, munber system & codes		cal_engineering/BoS/3.%20BoS%2006.10.2018.pdf
Digital Electronics & Microprocessor	130401		2017	
		Develop basic concepts of dc machine and		https://web.mitsgwalior.in/images/Departments/electri
		transformer, their construtional details, working		cal_engineering/BoS/3.%20BoS%2006.10.2018.pdf
		principle and characteristic based applications		
Electrical Machines-I	130402		2017	
		Understand the role of control engineer in multi		https://web.mitsgwalior.in/images/Departments/electri
		disciplinary teams through modelling and		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
		analysis of physical system, implications of		
Control System	130403	system stability	2017	

		Understand various types transmission &		https://web.mitsgwalior.in/images/Departments/electri
		distribution system, economic aspects of power		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
		generation, analyse the performance of		
		transmission lines, distribution systems,		
Power System-I	130404	insulators and cables.	2017	
		Simulation of electrical systems		https://web.mitsgwalior.in/images/Departments/electri
		·		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
Software Lab - II	130405		2017	
		Understand design of electric machines,		https://web.mitsgwalior.in/images/Departments/electri
Computer Aided Design of Power		transformer etc.		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
Apparatus & Machines	BEEL601		2015	
		Develop basic concepts of special machiones,		https://web.mitsgwalior.in/images/Departments/electri
		their construtional details, working principle and		cal_engineering/BoS/3.%20BoS%2006.10.2018.pdf
Electrical Machines-III	BEEL602	characteristic based applications	2015	
		Understand the concepts, basic operation,		https://web.mitsgwalior.in/images/Departments/electri
		steady state operation of efficient switched-		cal_engineering/BoS/3.%20BoS%2006.10.2018.pdf
		mode power conversion techniques, including		
Power Electronics	BEEL603	basic circuit operation	2015	
		Understand the interfacing of the external		https://web.mitsgwalior.in/images/Departments/electri
		devices to the processor according to the user		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
Advanced Microprocssor &		requirements thus, enabling to create novel		
Interfacing	BEEL604	products and solutions for real time problems	2015	
		Understand the constructions and working		https://web.mitsgwalior.in/images/Departments/electri
		principle of different types of sensors and		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
		transducers, instrument tranformer, magnetic		
Applied Instrumentation	BEEL605	measuremet, HV measurement etc	2015	
		Explore the ways and means to perform power		https://web.mitsgwalior.in/images/Departments/electri
		system analysis in normal operation and under		cal_engineering/BoS/3.%20BoS%2006.10.2018.pdf
		symmetrical and unsymmetrical faults		
Power System Analysis and control	BEEL606		2015	
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
		management and presentation spheres.		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
Minor Project	BEEP607		2015	
		Develop skills for self learning		https://web.mitsgwalior.in/images/Departments/electri
				cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
Self Study	BEES608		2015	
		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
Seminar & Group Discussion	BEES609	and build teamwork.	2015	

		Familiarize with soft computing concepts i.e.		https://web.mitsgwalior.in/images/Departments/electri
		idea of ANN, GA, Fuzzy etc.		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
Soft Computing Techniques	BEEL801		2015	
		Illustrate working principle of electric power		https://web.mitsgwalior.in/images/Departments/electri
		utilization and their application in real life		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
Uilization of Electrical Energy	BEEL802		2015	
		Focuses on imparting the principles of		https://web.mitsgwalior.in/images/Departments/electri
		measurement which includes the working		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
		mechanism of various sensors and devices,		
Process Instrumentation	BEEL803 A	transducers etc	2015	
		Familiarize with high voltage generation and test		https://web.mitsgwalior.in/images/Departments/electri
		equipments		cal_engineering/BoS/3.%20BoS%2006.10.2018.pdf
High Voltage Engineering	BEEL804 A		2015	
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
		management and presentation spheres.		cal_engineering/BoS/3.%20BoS%2006.10.2018.pdf
Major Project II	BEED805		2015	
		Learn the techniques for ensuring that electrical		https://web.mitsgwalior.in/images/Departments/electri
		equipment is kept in good working order and to		cal engineering/BoS/3.%20BoS%2006.10.2018.pdf
Electrical Industrial Safety &		learn It involves all management operations		
Maintenance	BEEP806	within plant for protection	2015	
		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
Material Science	120301	structures and imperfections present in them		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
		Calculate stresses and deformations of objects		https://web.mitsgwalior.in/images/Departments/mech
Mechanics of Materials	120302	under external loadings		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –I	120303	which include engines, linkages etc		anical engineering/NAAC/1.2.1 new/2018-19.pdf
·			2015	
Fluid Machaniae and Hudgaylia		knowledge of fluid, its properties and behavior		https://web.mitsgwalior.in/images/Departments/mech
Fluid Mechanics and Hydraulic	120304	under various conditions of internal and external		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Machines		flows.	2010	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Software Lab	120305	and simulation software		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2017	
Calf Innuis / Ducas at the		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self-learning/Presentation	120306	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
(SWAYAM/NPTEL/MOOC)			2017	

Summer Internship Project-I		Hands on sessions for skill development	2017	https://web.mitsgwalior.in/images/Departments/mech
(Institute Level) (Evaluation)	120307			anical engineering/NAAC/1.2.1 new/2018-19.pdf
		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –II	120401	which include engines, linkages etc		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		identify, formulate and solve design engineering		https://web.mitsgwalior.in/images/Departments/mech
Design of Machine Elements	120402	problems		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		manage manufacturing processes and systems		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Process	120403	for the best use of material and human		anical engineering/NAAC/1.2.1 new/2018-19.pdf
		resources	2010	
		Represent a thermodynamic system by a control		https://web.mitsgwalior.in/images/Departments/mech
Engineering Thermodynamics	120404	mass or control volume and identify work and/or		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
Lingineering mermodynamics	120404	heat interactions between the system and		
		surroundings	2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
	120405	processes and machine tools		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Production Lab			2010	
Metrology, Measurement and		Types of errors, design of limit gauges and		https://web.mitsgwalior.in/images/Departments/mech
Control	BMEL- 501	various comparative measurements		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Control			2015	
		Concept of aerospace propulsion and different		https://web.mitsgwalior.in/images/Departments/mech
Aerospace propulsion	BMEL - 502	aspects related to them.		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2016	
		Modern materials and their behavior under		https://web.mitsgwalior.in/images/Departments/mech
Advance Mechanics of Materials	BMEL - 503	different load conditions.		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	BMEL - 504	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		IC engine analysis at different conditions and		https://web.mitsgwalior.in/images/Departments/mech
Internal Combustion Engine	BMEL- 505	their impact		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
Machine Design-II	BMEL - 506	design engineering tools necessary for		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
		engineering practice	2010	

		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Simulation Lab – II	BMEP - 507	and simulation software		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Study (Internal Assessment)	BMES - 508	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
Seminar & Group Discussion		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
(Internal Assessment)	BMES - 509	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
(internal Assessment)			2015	
Computer Integrated				https://web.mitsgwalior.in/images/Departments/mech
Manufacturing	BMEL- 602	To study smart machine which controlled by		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Wallaractaring		computer for accuracy and automation	2017	
		Study of plant requirement of thermal		https://web.mitsgwalior.in/images/Departments/mech
Power Plant Engineering	BMEL- 603	aspects		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
			2015	
Operation Decearsh & Comple		To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
Operation Research & Supply	BMEL- 604	different techniques, applications and		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
Chain		examples	2015	
		velocity triangles, thermodynamic plots and		https://web.mitsgwalior.in/images/Departments/mech
Turbo Machinery	BMEL- 605	losses in turbo machinery		anical engineering/NAAC/1.2.1 new/2018-19.pdf
,		,	2010	
		Analysis of different machine under various load		https://web.mitsgwalior.in/images/Departments/mech
Dynamics of Machines	BMEL - 606	conditions.		anical engineering/NAAC/1.2.1 new/2018-19.pdf
,			2015	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Minor Project	BMED -607	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Study (Internal Assessment)	BMES - 608	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
Comings 9 Crous Discussion		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar & Group Discussion	BMES - 609	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
(Internal Assessment)		[	2015	
Machine Design-III		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
	BMEL -701	design engineering tools necessary for		anical engineering/NAAC/1.2.1 new/2018-19.pdf
		engineering practice	2010	
		Principles and different methods of refrigeration		https://web.mitsgwalior.in/images/Departments/mech
Refrigeration & Air- Conditioning	BMEL -702	and air conditioning		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
	1			

	DA451 700	Key elements and constituents of a robot		https://web.mitsgwalior.in/images/Departments/mech
Robotics & Mechatronics	BMEL -703		2015	anical engineering/NAAC/1.2.1 new/2018-19.pdf
		comprehensive of physical science and its		https://web.mitsgwalior.in/images/Departments/mech
Heat & Mass Transfer	BMEL-704	fundamentals applicable to the engineering		anical engineering/NAAC/1.2.1 new/2018-19.pdf
		discipline	2010	
Production & Operation &	BMEL-705			https://web.mitsgwalior.in/images/Departments/mech
Management	(i)	Industrial operations, strategy, time		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Widnagement	(1)	management	2017	
	BMEL-705	Daharian of saariaday diwaayia aay ditiay		https://web.mitsgwalior.in/images/Departments/mech
Car Danamaia	(ii)	Behaviour of gas under dynamic condition	2045	anical engineering/NAAC/1.2.1 new/2018-19.pdf
Gas Dynamics	. ,	and its effects	2015	
Material Handling systems and	BMEL-705	Industrial material handling problems and		https://web.mitsgwalior.in/images/Departments/mech
Equipment	(iii)	- 1	2015	anical_engineering/NAAC/1.2.1_new/2018-19.pdf
	` ′	solutions	2015	
Non-conventional energy	BMEL-705	Use of alternative energy, performance and		https://web.mitsgwalior.in/images/Departments/mech
sources	(iv)		2017	anical_engineering/NAAC/1.2.1_new/2018-19.pdf
	` ,	future	2017	https://web.mitsgwalior.in/images/Departments/mech
Machine Tool Technology	BMEL-705	Design of different machine tools for		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Machine Tool Technology	(v)	industrial aaplication	2015	anical_engineering/NAAC/1.2.1_new/2018-19.pdi
		Skill development using hands on practice	2013	https://web.mitsgwalior.in/images/Departments/mech
Industrial Training	BMET -706	Skill development using hands on practice		anical engineering/NAAC/1.2.1 new/2018-19.pdf
industrial framing			2010	anical engineering/NAAC/1.2.1 new/2010-19.pui
		Apply Engineering knowledge for	2010	https://web.mitsgwalior.in/images/Departments/mech
Project-I		society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2018-19.pdf
l roject r		σοσιοίγ,αασαασ β. σμοσιο, β. σωασ	2010	<u></u>
		Real-world mechanical vibration problems		https://web.mitsgwalior.in/images/Departments/mech
Vibration & Noise Control	BMEL - 801	, , , , ,		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
		Different componenet of vehicle, their design		https://web.mitsgwalior.in/images/Departments/mech
Automobile Engineering	BMEL - 802	and behavior		anical engineering/NAAC/1.2.1 new/2018-19.pdf
3 3			2010	
Statistical Quality		Concepts of reliability, life testing and costing of		https://web.mitsgwalior.in/images/Departments/mech
Control/Statistical Process	BMEL - 803	product		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Control			2015	
Engaging Tools also	DN4EL 004			https://web.mitsgwalior.in/images/Departments/mech
Emerging Technologies	BMEL-804	Latest management technologies to make		anical engineering/NAAC/1.2.1 new/2018-19.pdf
&Management Techniques	(i)	process more economical and effective	2018	

	BMEL-804	Latest welding techniques and application in		https://web.mitsgwalior.in/images/Departments/mech
		engineering field		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Advance Welding Technology	(ii)		2018	
	BMEL-804	To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
		different techniques, applications and		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Optimization Techniques	(iii)	examples	2018	
	BMEL-804	The Maintenance strategies and overall		https://web.mitsgwalior.in/images/Departments/mech
Maintenance Engineering	(iv)	configuration and Maintenance of Machines ,		anical engineering/NAAC/1.2.1 new/2018-19.pdf
	(10)	structure and System.	2018	
	BMEL-804			https://web.mitsgwalior.in/images/Departments/mech
	(v)	To manage activities with different		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
Project Management	(-,	techniques and stretegy	2018	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar/Self Study	BMES -805	presentation and group discussion	22.5	anical_engineering/NAAC/1.2.1_new/2018-19.pdf
			2015	
Durain at II	DN45D 006	Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Project-II	BMED -806	society/industries projects/problems	2010	anical_engineering/NAAC/1.2.1_new/2018-19.pdf
		different classes of materials, their properties,	2010	https://web.mitsgwalior.in/images/Departments/mech
	190301			anical engineering/NAAC/1.2.1 new/2018-19.pdf
Material Science	190301	structures and imperfections present in them	2010	anical_engineering/NAAC/1.2.1_new/2018-19.pdi
Waterial Science		Calculate stresses and deformations of objects	2010	https://web.mitsgwalior.in/images/Departments/mech
Mechanics of Materials	190302	under external loadings		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Wiechanics of Waterials	190302	under external loadings	2015	affical engineering/NAAC/1.2.1 flew/2010-13.pdf
		Study of different concepts of IC engine, body	2013	https://web.mitsgwalior.in/images/Departments/mech
Automotive Engines	190303	and chessis details.		anical engineering/NAAC/1.2.1 new/2018-19.pdf
l are me and a single			2015	
		knowledge of fluid, its properties and behavior		https://web.mitsgwalior.in/images/Departments/mech
Fluid Mechanics & Hydraulic	190304	under various conditions of internal and external		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Machines		flows.	2010	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Software lab	190305	and simulation software		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2017	
Self-learning/Presentation (SWAYAM/NPTEL/MOOC)		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
	190306	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
(3VATAIVI/IVFTEL/IVIOOC)			2017	
Summer Internship Project-I		Hands on sessions for skill development		https://web.mitsgwalior.in/images/Departments/mech
(Institute Level) (Evaluation)	190307			anical engineering/NAAC/1.2.1 new/2018-19.pdf
(strate Level) (Lvaraation)			2015	

		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machines –I	190401	which include engines, linkages etc		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
Automotive Electrical and		Develop skill of finding faults and rectification of		https://web.mitsgwalior.in/images/Departments/mech
Electronics System	190402	ignition circuits and wiring.		anical engineering/NAAC/1.2.1 new/2018-19.pdf
210011011103 3 4 3 1 0 1 1			2015	
		Represent a thermodynamic system by a control		https://web.mitsgwalior.in/images/Departments/mech
Engineering Thermodynamics	190403	mass or control volume and identify work and/or		anical engineering/NAAC/1.2.1 new/2018-19.pdf
		heat interactions between the system and		
		surroundings	2010	
		manage manufacturing processes and systems		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Process	190404	for the best use of material and human		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
		resources	2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
	190405	processes and machine tools		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
Production Lab			2010	
Entrepreneurship &				https://web.mitsgwalior.in/images/Departments/mech
Management	BAUL - 501	Latest management technologies to make		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Wanagement		process more economical and effective	2015	
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	BAUL - 502	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
Metrology, Measurement and		Types of errors, design of limit gauges and		https://web.mitsgwalior.in/images/Departments/mech
Control	BAUL - 503	various comparative measurements		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Control			2015	
Operation Research and Supply		To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
Chain	BAUL - 504	different techniques, applications and		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Chain		examples	2015	
		Concepts of stress analysis, theories of failure		https://web.mitsgwalior.in/images/Departments/mech
Automotive Comment Design	DALII FOE	and material science to analyze, design and/or		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Automotive Component Design	BAUL - 505	select commonly used Automotive components.		
			2015	
		Develop the basic knowledge of the students in		https://web.mitsgwalior.in/images/Departments/mech
Automotive Transmission	BAUL- 506	mechanics, torque conversion area		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
			2015	
		Hands on driving practice		https://web.mitsgwalior.in/images/Departments/mech
LMV Driving Practice	BAUP- 507			anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	

		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Study (Internal Assessment)	BALIS - 508	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Sen Study (internal Assessment)	DA03 300	presentation and group discussion	2015	difficult eligificethig/WAAC/1.2.1 flew/2010 15.pdf
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar & Group Discussion	BAUS - 509	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
(Internal Assessment)			2015	
		The philosophy and core values of Total Quality		https://web.mitsgwalior.in/images/Departments/mech
TQM & SQC	BAUL - 602	Management		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
Operations Management	BAUL - 603	different techniques, applications and		anical engineering/NAAC/1.2.1 new/2018-19.pdf
		examples	2015	
Automotive Design & Assembly		Design and drawing of different vehicles under		https://web.mitsgwalior.in/images/Departments/mech
,	BAUL - 604	various load conditions		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
Drawing			2015	
		Different standards of pollution and their control		https://web.mitsgwalior.in/images/Departments/mech
Fuels and Pollution Control	BAUL - 605			anical_engineering/NAAC/1.2.1_new/2018-19.pdf
			2015	
Computer Integrated				https://web.mitsgwalior.in/images/Departments/mech
Manufacturing	BAUL- 606			anical_engineering/NAAC/1.2.1_new/2018-19.pdf
		computer for accuracy and automation	2017	
		Hands in session for vehicle maintenance,		https://web.mitsgwalior.in/images/Departments/mech
Automotive Maintenance	BAUP- 607	Vehicle service procedure		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Study (Internal Assessment)	BAUS - 608	presentation and group discussion	2015	anical engineering/NAAC/1.2.1 new/2018-19.pdf
		Chill development of self-locations through	2015	hattan and the control is a single control in the c
Seminar & Group Discussion	DALIC COO	Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
(Internal Assessment)	BAUS - 609	presentation and group discussion	2015	anical engineering/NAAC/1.2.1 new/2018-19.pdf
		Forces act on vehicles, performace analysis,	2013	https://web.mitsgwalior.in/images/Departments/mech
Vehicle Dynamics	BAUL-701	design considerations		anical engineering/NAAC/1.2.1 new/2018-19.pdf
vernere bynamics	DV0F-101	acsign constactations	2015	amear engineering/ which 1.2.1 new/2010-13.put
		Principles and different methods of refrigeration		https://web.mitsgwalior.in/images/Departments/mech
Refrigeration & Air Conditioning	BAUL-702	and air conditioning		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	, compared to the compared to
-		Different rules and regulations of motor vehicle		https://web.mitsgwalior.in/images/Departments/mech
Transport Management and	BAUL-703	act		anical engineering/NAAC/1.2.1 new/2018-19.pdf
motor vehicle Act			2015	

		comprehensive of physical science and its		https://web.mitsgwalior.in/images/Departments/mech
Heat and Mass Transfer	BAUL-704	fundamentals applicable to the engineering		anical engineering/NAAC/1.2.1 new/2018-19.pdf
		discipline	2010	
	BAUL-705	ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
	(i)	design engineering tools necessary for		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Machine Design-III	(1)	engineering practice	2010	
	BAUL-705			https://web.mitsgwalior.in/images/Departments/mech
Production & Operation	(ii)	Industrial operations, strategy, time		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Management	(11)	management	2017	
	BAUL-705			https://web.mitsgwalior.in/images/Departments/mech
	(iii)			anical engineering/NAAC/1.2.1 new/2018-19.pdf
Off road Vehicle	(,	Vehicle designing and its performance	2018	
Non-constituted and an energy	BAUL-705	lles of alternative annual modern and		https://web.mitsgwalior.in/images/Departments/mech
Non-conventional energy	(iv)	Use of alternative energy, performance and		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
sources	(,	future	2017	
		Skill development using hands on practice		https://web.mitsgwalior.in/images/Departments/mech
Industrial Training	BAUT-706		2212	anical_engineering/NAAC/1.2.1_new/2018-19.pdf
			2010	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Project-I	BAUD-707	society/industries projects/problems	2010	anical_engineering/NAAC/1.2.1_new/2018-19.pdf
			2010	
Nile antine Control	DALII 004	Real-world mechanical vibration problems		https://web.mitsgwalior.in/images/Departments/mech
Vibration & Noise Control	BAUL- 801		2010	anical engineering/NAAC/1.2.1 new/2018-19.pdf
		Vahiala hadu strustura samananant farsas	2010	https://web.mitsgwalior.in/images/Departments/mech
Vahiala Bady Engineering	BAUL- 802	Vehicle body structure, component, forces,		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Vehicle Body Engineering	BAUL- 8UZ	illaterials	2015	anical engineering/NAAC/1.2.1 new/2016-19.pui
		Study of hybrid vehicle, structure, component,	2013	https://web.mitsgwalior.in/images/Departments/mech
Hybrid Electric Vehicle	BAUL- 803	use		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Trybrid Electric Verlicie	BAOL- 803	use	2016	anical engineering/NAAC/1.2.1 new/2010-13.pui
		Latest welding techniques and application in	2010	https://web.mitsgwalior.in/images/Departments/mech
	BAUL-804	engineering field		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Advance Welding Technology	(i)		2018	singuisting in a top 2.2.12 Heavy 2010 15-put
	1			https://web.mitsgwalior.in/images/Departments/mech
	BAUL-804	To manage activities with different		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Project Management	(ii)	techniques and stretegy	2018	
<u> </u>		The Maintenance strategies and overall		https://web.mitsgwalior.in/images/Departments/mech
	BAUL-804	configuration and Maintenance of Machines ,		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Maintenance Management	(iii)	structure and System.	2018	

	BAUL-804			https://web.mitsgwalior.in/images/Departments/mech
		Different types of tyre, manufacturing and		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Tyre Technology	(iv)	performance	2018	
	BAUL-804			https://web.mitsgwalior.in/images/Departments/mech
	(v)			anical engineering/NAAC/1.2.1 new/2018-19.pdf
Quality Assurance	( • )	To perform different quality test	2018	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar/ Self Study	BAUS- 805	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Major Project	BAUD- 806	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
Optimization Techniques In		To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
Mechanical Engineering	560101	different techniques, applications and		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
		examples	2010	
Integrated Manufacturing &		Resource management using different		https://web.mitsgwalior.in/images/Departments/mech
Resources Planning	560102	approaches		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
Resources Flamming			2010	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering- I	560103	for various materials		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
			2010	
Production & Operation		Individual an austicus studtos, time		https://web.mitsgwalior.in/images/Departments/mech
Management	560104	Industrial operations, strategy, time	2017	anical engineering/NAAC/1.2.1 new/2018-19.pdf
		management	2017	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
Farmer and Wards Stocks	560105	the productivity of an organization.	2010	anical engineering/NAAC/1.2.1 new/2018-19.pdf
Ergonomics and Work Study			2010	
	560406	To manage activities with different		https://web.mitsgwalior.in/images/Departments/mech
Duningt Management	560106	To manage activities with different	2010	anical engineering/NAAC/1.2.1 new/2018-19.pdf
Project Management		techniques and stretegy	2018	hatta a la contra de la contra del contra de la contra del la contra del la contra del la contra de la contra de la contra del la contra de la contra del la contra de
		To check performance of different bearings,		https://web.mitsgwalior.in/images/Departments/mech
Reliability Availability and	560107	analysis of behavior and their relation at		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Maintainability		different vibration conditions.	2015	
		Manufacturing aspects, management stretegies		https://web.mitsgwalior.in/images/Departments/mech
l	560108	and their implementations		anical engineering/NAAC/1.2.1 new/2018-19.pdf
World-Class Manufacturing			2015	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Simulation & Modeling LabI	560109	and simulation software		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2015	

		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab. – I	560110	processes and machine tools		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
		Application of computers in various aspects		https://web.mitsgwalior.in/images/Departments/mech
	560201	manufacturing to reduce manual processing and		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Automation & Robotics in	300201	linking computers to all the manufacturing		
Production		machines	2010	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering-II	560203	for various materials		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
			2010	
		The philosophy and core values of Total Quality		https://web.mitsgwalior.in/images/Departments/mech
Total Quality Management	560204	Management		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
			2010	
				https://web.mitsgwalior.in/images/Departments/mech
	560205	Latest management technologies to make		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
Engineering Estimation & Costing		process more economical and effective	2010	
		Study of different manufacturing techniques		https://web.mitsgwalior.in/images/Departments/mech
	560206	automation and control		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Flexible Manufacturing System			2015	
		Study of process using different aspects of		https://web.mitsgwalior.in/images/Departments/mech
	560207	engineering		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Concurrent Engineering			2010	
		Industrial logistics challeges and their different		https://web.mitsgwalior.in/images/Departments/mech
Logistics & Supply	560208	solutions		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Chain Management			2015	
		Hands on session for skill developments		https://web.mitsgwalior.in/images/Departments/mech
Computer Lab-I	560209			anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab-II	560210	processes and machine tools		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
Computer Integrated				https://web.mitsgwalior.in/images/Departments/mech
Manufacturing	560301	To study smart machine which controlled by		anical engineering/NAAC/1.2.1 new/2018-19.pdf
ivianulaciuling		computer for accuracy and automation	2010	
		The Maintenance strategies and overall		https://web.mitsgwalior.in/images/Departments/mech
Maintenance Management	560302	configuration and Maintenance of Machines ,		anical_engineering/NAAC/1.2.1_new/2018-19.pdf
		structure and System.	2010	

		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar	560303	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2018-19.pdf
			2010	
Dissertation Part – I (Literature		To develop product/ simulate/ experimentation		https://web.mitsgwalior.in/images/Departments/mech
review / Problem Formulation/	560304	using engineering knowledge to solve		anical engineering/NAAC/1.2.1 new/2018-19.pdf
Synopsis)		societal/industrial problems.	2010	
		To develop product/ simulate/ experimentation		https://web.mitsgwalior.in/images/Departments/mech
Dissertation part-II		using engineering knowledge to solve		anical engineering/NAAC/1.2.1 new/2018-19.pdf
	560401	societal/industrial problems.	2010	
Basic Civil Engineering & Mechanics	100205	Building Materials, applications of remote	2017	https://web.mitsgwalior.in/images/Departments/Civil/
		sensing, measurement of area volume, shear		bos%20file/new%20files/BOS%20July%202017%20file.p
		force bending moment		<u>df</u>
Construction Planning &	CEL701	time cost optimization using network techniques	2013	https://web.mitsgwalior.in/images/Departments/Civil/
Management				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Environmental Engineering - II	CEL702	sewage treatment techniques, sewage disposal	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Geotechnical Engineering - I	CEL703	permeability of soil, stress distribution in soil,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		shear strength of soil		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Advanced Structural Design - I (RCC)	CEL704	design of water tanks, bridges, prestressed	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		concrete		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Industrial Waste Treatment	CEL705	Tretament of various industrial wastes, like	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		textile, paper pulp etc		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Minor Project-II	CEP706	students work on various field based problems,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		case study, experimental studies etc		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Tour/Training	CET707	Field oreinted case studies like bridge, overhead	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		tanks, highway and multistorey buildings, etc		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Surveying - II	BCEL302	Traversing, curve setting, linear and angular	2016	https://web.mitsgwalior.in/images/Departments/Civil/
		measurement		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Transportation Engineering - I	BCEL303	geometric design of highways, traffic studies,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		design of flexible and rigid pavements		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>

Concrete Technology	BCEL304	concrete mix deisgn, types of concrete	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Building Design Drawing & Town	BCEL305	NBC provisions, building bye laws	2016	https://web.mitsgwalior.in/images/Departments/Civil/
Planning				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Civil Engineering Drawing Lab	BCEP306	drawing of building elements on AutoCAD	2016	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Planning &	BCEL501	time cost optimization using network techniques	2017	https://web.mitsgwalior.in/images/Departments/Civil/
Management				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Traffic Engineering	BCEL502	traffic studies, traffic planning	2017	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Water resources Engineering - I	BCEL503	flood estimation, hydrograph analysis	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Fluid Mechanics-II	BCEL504	pipe flow problems, uniform flow in open	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		channels		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Structural Design & Drawing - I	BCEL505	design of beams, slabs, columns, footings,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
(RCC)		staircases		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Theory of Structure - I	BCEL506	analysis of beams & frames by various methods	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Civil lab	BCEP507	mix design, SPT test	2017	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Management Theory	510101	comparative management styles and	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		approaches		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Materials & Equipments	510102	Concrete mix design, special concrete,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		prefabrication		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Quantitative Methods	510103	Game Theory, Theory of Probability, Z transform	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>

Contract Management	510104	claims & arbitrations, construction contracts BOT projects	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Functional Planning Building Services & Maintenance Management	510105	Provision of NBC, Plumbing services	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Computer Lab-I	510106	MATLAB, Prima Vera, BIM	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Construction lab- I	510107	Various Tests on Concrete	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Infrastructure Project Management	MCTL931	strategic issues in infrastructure development, risk management in infrastructure project	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Urban Hydrology & Waste Management	MCTL932	Hydrograph analysis, flood estimation, C&D waste management	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Preliminary Dissertation	MCTD934	student carry out their research work in various areas	2013	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Environmental Chemistry & Microbiology	530101	instrumental methods of analysis, microbiology of water and waste water	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Materials & Equipments	530102	Concrete mix design, special concrete, prefabrication	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Quantitative Methods	530103	Game Theory, Theory of Probability, Z transform	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Solid Waste Management	530104	solid waste treatment, disposal	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Functional Planning Building Services & Maintenance Management	530105	Provision of NBC, Plumbing services	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf
Computer Lab - I	530106	MATLAB, Prima Vera, BIM	2014	https://web.mitsgwalior.in/images/Departments/Civil/bos%20file/new%20files/BOS%20July%202017%20file.pdf

Env Lab - I	530107	Water quality analysis	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				df
Principles & Design of Biological	MENL931	Biological Sewage Treatment techniques	2014	https://web.mitsgwalior.in/images/Departments/Civil/
Treatment System				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Urban Hydrology & Waste	MENL932	Hydrograph analysis, flood estimation, C&D	2014	https://web.mitsgwalior.in/images/Departments/Civil/
Management		waste management		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Preliminary Dissertation	MEND934	student carry out their research work in various	2014	https://web.mitsgwalior.in/images/Departments/Civil/
		areas		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Advanced Structural Design - II	CEL801	design of water tanks, silos, bridges	2013	https://web.mitsgwalior.in/images/Departments/Civil/
(Steel)				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Hydraulic Structure	CEL802	spillways, energy dissipators, cross drainage	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		works		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Geotechnical Engineering - II	CEL803	Shallow foundations, deep foundations, pile	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		foundations		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Building Environment & Services	CEL804	Provision of NBC, Plumbing services	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Major Project	CEP805	students work on various field based problems,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		case study, experimental studies etc		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
General Proficiency	CEP806	Overall capacbility of students	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Solid Waste, Air & Noise Pollution	BCEL602	solid waste management, air quality	2017	https://web.mitsgwalior.in/images/Departments/Civil/
		improvement		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Environmental Impact Assessment	BCEL603	Planning & developing of EIA reports	2017	https://web.mitsgwalior.in/images/Departments/Civil/
& Ethics				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Geotechnical Engineering - I	BCEL604	permeability of soil, stress distribution in soil,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		shear strength of soil		bos%20file/new%20files/BOS%20July%202017%20file.p
	1			<u>df</u>

Structural Design & Drawing - II	BCEL605	design of tension members, compression	2013	https://web.mitsgwalior.in/images/Departments/Civil/
(Steel)		members, plate girders, built up beams		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Theory of Structure - II	BCEL606	analysis of beams & frames by various methods	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Minor Project	BCEP607	students work on various field based problems,	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		case study, experimental studies etc		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Quantity Surveying & Costing	BCEL401	rate analysis, preparation of detailed estimates	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		of buildings, contract		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Fluid Mechanics -I	BCEL402	Flow measurement, stoke's law, dimensional	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		analysis		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Environmental Engineering-I	BCEL403	water treatment plant design, design of	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		distribution system		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Building Materials & Construction	BCEL404	Fresh and Hardened concrete, damp prevention,	2016	https://web.mitsgwalior.in/images/Departments/Civil/
		anti termite treatment, water proofing		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Strength of Materials	BCEL405	Stress Strain, euler's buckling load	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Material Testing Lab	BCEP406	strength test of materials	2016	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Idea Generation	BCES407	Evloution of ideas to solve civil problems	2016	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Techniques	510201	various constrcution techniques, prefab	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Economics & Finance	510202	capital budgeting, project risk, financial	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		accounting		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Cost Management	510203	multi criteria decision making methods, multi	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		objective optimization methods		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>

Project Management	510204	project planning & management	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				df
Project Planning Scheduling &	510205	resource planning, cost control	2013	https://web.mitsgwalior.in/images/Departments/Civil/
Control				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Computer Lab - II	510206	MATLAB, Prima Vera, BIM	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Construction Lab- II	510207	Various Tests on Concrete	2013	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Dissertation	MCTD941	student carry out their research work in various	2013	https://web.mitsgwalior.in/images/Departments/Civil/
		areas		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Air Pollution & Sound Pollution	530201	air pollution control techniques, air quality	2014	https://web.mitsgwalior.in/images/Departments/Civil/
		monitoring, noise pollution control		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Advanced Treatment Process - I	530202	water treatment plant design, design of	2014	https://web.mitsgwalior.in/images/Departments/Civil/
(Water Supply Engineering)		distribution system		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Advanced Treatment Process - II	530203	waste treatment plant design	2014	https://web.mitsgwalior.in/images/Departments/Civil/
(Waste Water Engg)				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Project Management	530204	project planning & management	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Environmental Impact Assessment	530205	Planning & developing of EIA reports	2014	https://web.mitsgwalior.in/images/Departments/Civil/
& Ethics				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Computer Lab - II	530206	MATLAB, Prima Vera, BIM	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Env Lab - II	530207	waste water quality anlysis, air quality analysis	2014	https://web.mitsgwalior.in/images/Departments/Civil/
				bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>
Dissertation	MEND941	student carry out their research work in various	2014	https://web.mitsgwalior.in/images/Departments/Civil/
		areas		bos%20file/new%20files/BOS%20July%202017%20file.p
				<u>df</u>

Engineering Physics			2017	http://103.25.130.79/~mitsgwalior/images/Department
		Formulate general mechanics parameters and		s/electronics engineering/July%202017%20Final comp
	100201	distinguish between central and noncentral forces.		ressed.pdf
Energy, Environment, Ecology & Society			2017	http://103.25.130.79/~mitsgwalior/images/Department
		To study an environment and ecosystem, To study		s/electronics engineering/July%202017%20Final comp
	100202	natural resources		ressed.pdf
Basic Computer Engineering			2017	http://103.25.130.79/~mitsgwalior/images/Department
		An ability to design, implement, and evaluate a		s/electronics engineering/July%202017%20Final comp
	100203	computer-based system, process, components		ressed.pdf
Basic Mechanical Engineering			2017	http://103.25.130.79/~mitsgwalior/images/Department
		To provide a comprehensive knowledge of basic		s/electronics engineering/July%202017%20Final comp
	100204	mechanical systems.		ressed.pdf
Language Lab. & Seminars			2017	http://103.25.130.79/~mitsgwalior/images/Department
		To implement English vocabulary at command and		s/electronics_engineering/July%202017%20Final_comp
	100206	ensure language proficiency		ressed.pdf
Electronics-I	140301	Deep knowledge in Core Electronic components	2017	http://103.25.130.79/~mitsgwalior/images/Department
		required in hardware technology		s/electronics_engineering/July%202017%20Final_comp
				ressed.pdf
Electronics-I	200301	Deep knowledge in Core Electronic components	2017	http://103.25.130.79/~mitsgwalior/images/Department
		required in hardware technology		s/electronics_engineering/July%202017%20Final_comp
				ressed.pdf
		develop skills and confidence to conceive and	2017	http://103.25.130.79/~mitsgwalior/images/Department
		implement a complex digital system		s/electronics engineering/July%202017%20Final comp
Digital Circuits and Systems	140302			ressed.pdf
		develop skills and confidence to conceive and	2017	http://103.25.130.79/~mitsgwalior/images/Department
		implement a complex digital system		s/electronics engineering/July%202017%20Final comp
Digital Circuits and Systems	200302			ressed.pdf
		apply the knowledge of basic circuital law and simplify	2017	http://103.25.130.79/~mitsgwalior/images/Department
		the network using reduction techniques		s/electronics engineering/July%202017%20Final comp
Network Theory	140303			ressed.pdf
		apply the knowledge of basic circuital law and simplify	2017	http://103.25.130.79/~mitsgwalior/images/Department
		the network using reduction techniques		s/electronics engineering/July%202017%20Final comp
Network Theory	200303			ressed.pdf
			2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Signals and Systems	140304	Fourier Transform, Signal analysis		ressed.pdf
			2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Signals and Systems	200304	Fourier Transform, Signal analysis		ressed.pdf

			2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Software Lab Introduction to MATLAB	140305	MATLAB for industry		ressed.pdf
			2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Software Lab Introduction to MATLAB	200305	MATLAB for industry		ressed.pdf
Principles of Management & Economics	BELL501	Explore the appropriate methods to initiate, plan,	2017	http://103.25.130.79/~mitsgwalior/images/Department
		execute, control and close projects		s/electronics engineering/July%202017%20Final comp
				ressed.pdf
Principles of Management & Economics	BETL501	Explore the appropriate methods to initiate, plan,	2017	http://103.25.130.79/~mitsgwalior/images/Department
		execute, control and close projects		s/electronics engineering/July%202017%20Final comp
				ressed.pdf
Microprocessors & Interfacing	BELL502	To develop assembly	2017	http://103.25.130.79/~mitsgwalior/images/Department
		language programming skills		s/electronics_engineering/July%202017%20Final_comp
				ressed.pdf
Microprocessors & Interfacing	BETL502	To develop assembly	2017	http://103.25.130.79/~mitsgwalior/images/Department
		language programming skills		s/electronics_engineering/July%202017%20Final_comp
				ressed.pdf
Electromagnetic Fields	BELL503	Introduces electromagnetic concepts to the	2017	http://103.25.130.79/~mitsgwalior/images/Department
		performance of		s/electronics_engineering/July%202017%20Final_comp
		devices, circuits, and systems.		ressed.pdf
Electromagnetic Fields	BETL503	Introduces electromagnetic concepts to the	2017	http://103.25.130.79/~mitsgwalior/images/Department
		performance of		s/electronics engineering/July%202017%20Final comp
		devices, circuits, and systems.		ressed.pdf
Optimization Techniques	BELL509	Create different optimization techniques	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
Optimization Techniques	BETL509	Create different optimization techniques	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
Renewable Energy Resources	BELL510	Environment energy resources analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
Renewable Energy Resources	BETL510	Environment energy resources analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
Mechatronics	BELL511	Principles of mechanics	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf

Mechatronics	BETL511	Principles of mechanics	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
Linear Control Theory	BELL504	Control systems	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
Linear Control Theory	BETL504	Control systems	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
Digital Communication	BELL505	Communication techniques for industry	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
Digital Communication	BETL505	Communication techniques for industry	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
				<u>ressed.pdf</u>
Electronics Workshop	BELP506	PCB design analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
				<u>ressed.pdf</u>
Electronics Workshop	BETL506	PCB design analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
				<u>ressed.pdf</u>
Advanced Control System	7441	Control systems and realiztion techniques	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
Advanced Control System	BELL701	Control systems and realiztion techniques	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
Advanced Control System	BETL701	Control systems and realiztion techniques	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
Microwave Engineering	7442		2017	http://103.25.130.79/~mitsgwalior/images/Department
		An understanding of microwave waveguides, passive		s/electronics engineering/July%202017%20Final comp
		& active devices		<u>ressed.pdf</u>
Microwave Engineering	BELL702		2017	http://103.25.130.79/~mitsgwalior/images/Department
		An understanding of microwave waveguides, passive		s/electronics engineering/July%202017%20Final comp
		& active devices		<u>ressed.pdf</u>
Microwave Engineering	BETL702		2017	http://103.25.130.79/~mitsgwalior/images/Department
		An understanding of microwave waveguides, passive		s/electronics engineering/July%202017%20Final comp
		& active devices		<u>ressed.pdf</u>

Cellular & Mobile Communication	7443	Wireless communication	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
Cellular & Mobile Communication	BELL703	Wireless communication	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
Cellular & Mobile Communication	BETL703	Wireless communication	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
VLSI Design	7444	Vlsi design, SOC design analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
VLSI Design	BELL704	Vlsi design, SOC design analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
				<u>ressed.pdf</u>
VLSI Design	BETL704	Vlsi design, SOC design analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
				ressed.pdf
ATM Networks	ELL705	Operation of ATM networks	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
				<u>ressed.pdf</u>
ATM Networks	BETL705	Operation of ATM networks	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
Selected Topics in Communication	ELL709	Advance communication analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
Selected Topics in Communication	BETL709	Advance communication analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				<u>ressed.pdf</u>
CMOS Technology	ELL710	SOC design	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
CMOS Technology	BETL710	SOC design	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf
Data Mining and Warehousing	ELL711	Data analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
				ressed.pdf

Data Mining and Warehousing	BETL711	Data analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
		<b>'</b>		s/electronics engineering/July%202017%20Final comp
				ressed.pdf
		Different numerical methods and equations	2017	http://103.25.130.79/~mitsgwalior/images/Department
		'		s/electronics engineering/July%202017%20Final comp
Mathematics	600101			ressed.pdf
		Computer networks system design	2017	http://103.25.130.79/~mitsgwalior/images/Department
		, ,		s/electronics engineering/July%202017%20Final comp
Computer Networks	600102			ressed.pdf
·		RF circuit microwave design	2017	http://103.25.130.79/~mitsgwalior/images/Department
		ŭ		s/electronics engineering/July%202017%20Final comp
RF Circuits	600103			ressed.pdf
		Communication techniques for industry	2017	http://103.25.130.79/~mitsgwalior/images/Department
		·		s/electronics engineering/July%202017%20Final comp
Digital Communication	600104			ressed.pdf
		Control systems and realiztion techniques	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Modern Control theory	600105			ressed.pdf
·		MATLAB for industry	2017	http://103.25.130.79/~mitsgwalior/images/Department
		,		s/electronics engineering/July%202017%20Final comp
MATLAB Programming Lab	600106			ressed.pdf
		C++ programming skills	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
C++ Programming Lab	600107			ressed.pdf
		Different numerical methods and equations	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Mathematics	610101			ressed.pdf
			2017	http://103.25.130.79/~mitsgwalior/images/Department
		An understanding of microwave waveguides, passive		s/electronics engineering/July%202017%20Final comp
Microwave Devices	610102	& active devices		ressed.pdf
		Advance electromagnetic and antenna design	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Advanced Electromagnetic	610103			ressed.pdf
		Communication techniques for industry	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Digital Communication	610104			ressed.pdf
		RF circuit microwave design	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
RF Circuits	610105			ressed.pdf

		PCB design analysis	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Hardware Lab I	610106			ressed.pdf
		Different software tools	2017	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Software Lab II	610107			ressed.pdf
			2018	http://103.25.130.79/~mitsgwalior/images/Department
		Engineering materials such as polymers, energy		s/electronics engineering/July%202017%20Final comp
Engineering Chemistry	100101	production		ressed.pdf
		To understand the concepts of basic mathematical		http://103.25.130.79/~mitsgwalior/images/Department
		methods for matrices, complex numbers and		s/electronics engineering/July%202017%20Final comp
Engineering Mathematics - I	100102	differential calculus	2018	ressed.pdf
		Language skills		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
Technical English	100103		2018	ressed.pdf
		To expose to the field of electrical & electronics		http://103.25.130.79/~mitsgwalior/images/Department
Basic Electrical & Electronics		engineering, and to acquire the fundamental		s/electronics_engineering/July%202017%20Final_comp
Engineering	100104	knowledge in the field	2018	ressed.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
Engineering Graphics	100105	Comprehend general projection theory	2018	ressed.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Manufacturing Practices	100106	Manufacturing sciences in the day-to-day life	2018	<u>ressed.pdf</u>
Mathematics-III	BELL 401	To understand the concepts of basic mathematical		http://103.25.130.79/~mitsgwalior/images/Department
		methods for matrices, complex numbers and		s/electronics engineering/July%202017%20Final comp
		differential calculus	2018	<u>ressed.pdf</u>
Mathematics-III	BETL 401	To understand the concepts of basic mathematical		http://103.25.130.79/~mitsgwalior/images/Department
		methods for matrices, complex numbers and		s/electronics engineering/July%202017%20Final comp
		differential calculus	2018	<u>ressed.pdf</u>
Electronics II	BELL 402	deep knowledge in Core Electronic components		http://103.25.130.79/~mitsgwalior/images/Department
		required in hardware technology		s/electronics engineering/July%202017%20Final comp
			2018	<u>ressed.pdf</u>
Electronics II	BETL 402	deep knowledge in Core Electronic components		http://103.25.130.79/~mitsgwalior/images/Department
		required in hardware technology		s/electronics engineering/July%202017%20Final comp
			2018	ressed.pdf
		understand and implement the basic analog and		http://103.25.130.79/~mitsgwalior/images/Department
	BELL 403	digital communication techniques/ circuits used in		s/electronics engineering/July%202017%20Final comp
Analog COmmunication		communication systems	2018	ressed.pdf

		understand and implement the basic analog and		http://103.25.130.79/~mitsgwalior/images/Department
	BETL 403	digital communication techniques/ circuits used in		s/electronics engineering/July%202017%20Final comp
Analog COmmunication		communication systems	2018	ressed.pdf
		Develop different filter circuits for designing		http://103.25.130.79/~mitsgwalior/images/Department
	BELL 404			s/electronics engineering/July%202017%20Final comp
Network Synthesis and Filter Design			2018	ressed.pdf
		Develop different filter circuits for designing		http://103.25.130.79/~mitsgwalior/images/Department
	BETL 404			s/electronics engineering/July%202017%20Final comp
Network Synthesis and Filter Design			2018	ressed.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
	BELL 405			s/electronics engineering/July%202017%20Final comp
Signals and Systems		Fourier Transform, Signal analysis	2018	ressed.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
	BETL 405			s/electronics_engineering/July%202017%20Final_comp
Signals and Systems		Fourier Transform, Signal analysis	2018	ressed.pdf
Simulation Lab	BELL 406	MATLAB		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
			2018	ressed.pdf
Simulation Lab	BETL 406	MATLAB		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
			2018	ressed.pdf
Antenna and Wave Propagation	BELL601	Antenna design		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	<u>ressed.pdf</u>
Antenna and Wave Propagation	BETL601	Antenna design		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	<u>ressed.pdf</u>
Digital Signal Processing	BELL602	Fourier transform and signal analysis		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	<u>ressed.pdf</u>
Digital Signal Processing	BETL602	Fourier transform and signal analysis		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	ressed.pdf
Data Communication	BELL603			http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
		Layered architecture of communication protocols	2018	ressed.pdf
Data Communication	BETL603		_	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
		Layered architecture of communication protocols	2018	ressed.pdf

Electronic System Design	BELL604	Deep knowledge in Core Electronic components		http://103.25.130.79/~mitsgwalior/images/Department
, ,		required in hardware technology		s/electronics engineering/July%202017%20Final comp
			2018	ressed.pdf
Electronic System Design	BETL604	Deep knowledge in Core Electronic components		http://103.25.130.79/~mitsgwalior/images/Department
, ,		required in hardware technology		s/electronics engineering/July%202017%20Final comp
			2018	ressed.pdf
Data Structure	BELL609			http://103.25.130.79/~mitsgwalior/images/Department
		Ability to analyze algorithms and aalgorithm		s/electronics engineering/July%202017%20Final comp
		correctness	2018	ressed.pdf
Data Structure	BETL609			http://103.25.130.79/~mitsgwalior/images/Department
		Ability to analyze algorithms and aalgorithm		s/electronics engineering/July%202017%20Final comp
		correctness	2018	ressed.pdf
Integrated Circuit	BELL610			http://103.25.130.79/~mitsgwalior/images/Department
		Learn about various techniques to develop A/D and		s/electronics engineering/July%202017%20Final comp
		D/A convertors	2018	ressed.pdf
Integrated Circuit	BETL610			http://103.25.130.79/~mitsgwalior/images/Department
		Learn about various techniques to develop A/D and		s/electronics engineering/July%202017%20Final comp
		D/A convertors	2018	ressed.pdf
Microcontroller and Embeded System	BELL611	To develop assembly		http://103.25.130.79/~mitsgwalior/images/Department
		language programming skills		s/electronics_engineering/July%202017%20Final_comp
			2018	ressed.pdf
Microcontroller and Embeded System	BETL611	To develop assembly		http://103.25.130.79/~mitsgwalior/images/Department
		language programming skills		s/electronics engineering/July%202017%20Final comp
			2018	ressed.pdf
Industrial Electronics	BELL605			http://103.25.130.79/~mitsgwalior/images/Department
		Acquaint the students with advanced industrial		s/electronics engineering/July%202017%20Final comp
		circuits and their applications	2018	<u>ressed.pdf</u>
Industrial Electronics	BETL605			http://103.25.130.79/~mitsgwalior/images/Department
		Acquaint the students with advanced industrial		s/electronics engineering/July%202017%20Final comp
		circuits and their applications	2018	<u>ressed.pdf</u>
Minor Project-I	BELP606	Practical live project		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	<u>ressed.pdf</u>
Minor Project-I	BETL606	Practical live project		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	<u>ressed.pdf</u>
Fiber Optics and Optical Communication	8441			http://103.25.130.79/~mitsgwalior/images/Department
		Explain the different modes of propagation in an		s/electronics engineering/July%202017%20Final comp
		optical fiber	2018	ressed.pdf

Fiber Optics and Optical Communication	BELL801			http://103.25.130.79/~mitsgwalior/images/Department
		Explain the different modes of propagation in an		s/electronics engineering/July%202017%20Final comp
		optical fiber	2018	ressed.pdf
Fiber Optics and Optical Communication	BETL801			http://103.25.130.79/~mitsgwalior/images/Department
		Explain the different modes of propagation in an		s/electronics engineering/July%202017%20Final comp
		optical fiber	2018	ressed.pdf
Satellite Communication	8442			http://103.25.130.79/~mitsgwalior/images/Department
		Introduce students to the fundamentals of satellite		s/electronics engineering/July%202017%20Final comp
		communication	2018	ressed.pdf
Satellite Communication	BELL802			http://103.25.130.79/~mitsgwalior/images/Department
		Introduce students to the fundamentals of satellite		s/electronics engineering/July%202017%20Final comp
		communication	2018	ressed.pdf
TV and Radar Engineering	8443			http://103.25.130.79/~mitsgwalior/images/Department
		Principles of operation of various blocks of Radar		s/electronics_engineering/July%202017%20Final_comp
		systems and Radar Range equation in detail.	2018	ressed.pdf
TV and Radar Engineering	BELL803			http://103.25.130.79/~mitsgwalior/images/Department
		Principles of operation of various blocks of Radar		s/electronics_engineering/July%202017%20Final_comp
		systems and Radar Range equation in detail.	2018	ressed.pdf
TV and Radar Engineering	BETL803			http://103.25.130.79/~mitsgwalior/images/Department
		Principles of operation of various blocks of Radar		s/electronics_engineering/July%202017%20Final_comp
		systems and Radar Range equation in detail.	2018	ressed.pdf
Neural Network and Fuzzy Systems	ELL804			http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
		Analyze the various feedback networks	2018	ressed.pdf
Neural Network and Fuzzy Systems	BETL804			http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
		Analyze the various feedback networks	2018	ressed.pdf
Image Processing and Pattern	ELL808	Image enhancement and classifiaction		http://103.25.130.79/~mitsgwalior/images/Department
Recognition				s/electronics engineering/July%202017%20Final comp
			2018	ressed.pdf
Image Processing and Pattern	BETL808	Image enhancement and classifiaction		http://103.25.130.79/~mitsgwalior/images/Department
Recognition				s/electronics engineering/July%202017%20Final comp
			2018	<u>ressed.pdf</u>
Nanotechnology	ELL809			http://103.25.130.79/~mitsgwalior/images/Department
		Apply engineering and physics concepts to the nano-		s/electronics engineering/July%202017%20Final comp
		scale and non-continuum domain	2018	<u>ressed.pdf</u>
Nanotechnology	BETL809			http://103.25.130.79/~mitsgwalior/images/Department
		Apply engineering and physics concepts to the nano-		s/electronics engineering/July%202017%20Final comp
		scale and non-continuum domain	2018	ressed.pdf

Biomedical Instrumentation	ELL810	Biomedical system analysis		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	ressed.pdf
Biomedical Instrumentation	BETL810	Biomedical system analysis		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	ressed.pdf
Major Project-II	ELL805	Practical live project		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	<u>ressed.pdf</u>
Major Project-II	8445	Practical live project		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
			2018	ressed.pdf
Major Project-II	BETP805	Practical live project		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics_engineering/July%202017%20Final_comp
			2018	<u>ressed.pdf</u>
		To develop assembly		http://103.25.130.79/~mitsgwalior/images/Department
Advanced Microprocessor And		language programming skills		s/electronics_engineering/July%202017%20Final_comp
embedded Systems	600201		2018	ressed.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
		conceptual evolution of digital control systems and		s/electronics_engineering/July%202017%20Final_comp
Digital Control Systems	600202	analytical techniques for digital control systems	2018	<u>ressed.pdf</u>
				http://103.25.130.79/~mitsgwalior/images/Department
		To define and apply the basic concepts of information		s/electronics engineering/July%202017%20Final comp
Information & Design Coding Theory	600203	theory	2018	<u>ressed.pdf</u>
				http://103.25.130.79/~mitsgwalior/images/Department
		An understanding of microwave waveguides, passive		s/electronics engineering/July%202017%20Final comp
(Microwave Circuits Design	600204	& active devices	2018	<u>ressed.pdf</u>
		Fourier transform and signal analysis		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Digital Signal Processing	600208		2018	<u>ressed.pdf</u>
		PCB design analysis		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Hardware Lab	600209		2018	<u>ressed.pdf</u>
		Different software tools		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Simulation Lab	600210		2018	ressed.pdf
		Antenna design	_	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Antenna Theory	610201		2018	ressed.pdf

				http://103.25.130.79/~mitsgwalior/images/Department
		An understanding of microwave waveguides, passive		s/electronics engineering/July%202017%20Final comp
Microwave Measurement	610202	& active devices	2018	ressed.pdf
		Fourier transform and signal analysis		http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
(Digital Signal Processing)	610203		2018	ressed.pdf
(5.8.66.6.6.1.0.00000	010200			http://103.25.130.79/~mitsgwalior/images/Department
		An understanding of microwave waveguides, passive		s/electronics engineering/July%202017%20Final comp
Microwave Circuits Design	610205	& active devices	2018	ressed.pdf
I a superior and a superior a superior and a superi	010200			http://103.25.130.79/~mitsgwalior/images/Department
		To define and apply the basic concepts of information		s/electronics engineering/July%202017%20Final comp
Information & Design Coding Theory	610206	theory	2018	ressed.pdf
information & Design coding meory	010200	theory	2010	http://103.25.130.79/~mitsgwalior/images/Department
				s/electronics engineering/July%202017%20Final comp
Microwave Measurement Lab	610207	An understanding of microwave waveguides, passive & active devices	2018	ressed.pdf
IVICTOWAVE IVIEASUTETHETIC LAD	610207	Different software tools	2018	·
		Different software tools		http://103.25.130.79/~mitsgwalior/images/Department
Circulation Lab	C10200		2010	s/electronics_engineering/July%202017%20Final_comp
Simulation Lab	610208		2018	ressed.pdf
Artificial Intelligence and Expert	ITL701	The course introduces the variety of concepts in	2014	https://web.mitsgwalior.in/images/Departments/infor
Systems		the field of artificial intelligence and expert		mation_technology/BoS/BoS%20Proceedings/1.%20BoS
		systems. It discusses the philosophy of AI, and		%20PROCEEDING%20MEETING%20HELD%20ON%2007
		how to model a new problem as an AI problem.		<u>%20JULY%202017.pdf</u>
		It describes a variety of models such as search,		
		logic, Bayes nets, and MDPs, which can be used		
		to model a new problem. It also teaches many		
		first algorithms to solve each formulation. The		
		course prepares a student to take a variety of		
		focused, advanced courses in various subfields		
		of AI.		
Compiler Design & Translator	ITL702	This course deals with concepts of COmpile	2014	https://web.mitsgwalior.in/images/Departments/infor
		design, which includes lexical analyzer, syntax		mation_technology/BoS/BoS%20Proceedings/1.%20BoS
		analyzer, sementics, ICG, code optimization and		%20PROCEEDING%20MEETING%20HELD%20ON%2007
		code ganeration. That course makes student to		%20JULY%202017.pdf
		employable and also develop skill to solve		
		different kind of newmerical problem those		
		include in competative examinations.		

Parallel Processing  Networking with TCP/IP	ITL703	Modern Parallel Computing is a hands-on course involving significant parallel programming on compute-clusters, multi-core CPUs and massive-core GPUs.  This course would cover the fundamental concepts of computer network and its types. overview of network layer, transport layer and	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007
		application layer protocols for implementation of computer networking concept		%20JULY%202017.pdf
Internet Technology & Web Desiging	ITL705	This course covers the basics of the Internet, building a web application, databases, performance and security, and building a mobile application.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Networking with TCP/IP	BITL502	This course would cover the fundamental concepts of computer network and its types. overview of network layer, transport layer and application layer protocols for implementation of computer networking concept	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Software Engineering	BITL503	This course would be focused on the basic concepts of To understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. Brief overview To understand project management and risk management associated with various types of projects, to know basics of testing and understanding concept of software quality assurance and software configuration management process.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Microprocessor & Interfacing	BITL504	Understanding of different processors and basic architecture of 16 bit microprocessor and their interfacing with memory and I/O devices, understanding of microcontrollers. Designing of systems using microprocessor and microcontroller.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf

Theory of Computation  Java Programming	BITL505	This course deals with concepts of TOC, which includes about finite autometa, regular grammer, context free grammer, CSL and turing machine. That course makes student to employable and also develop skill to solve different kind of newmerical problem those include in competative examinations.  Design and development of efficient softwares	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
G G		using java programming that can solve the problem related to different domains.		mation_technology/BoS/BoS%20Proceedings/1.%20BoS %20PROCEEDING%20MEETING%20HELD%20ON%2007 %20JULY%202017.pdf
Internet Technology & Web Desiging	BITL 509	This course covers the basics of the Internet, building a web application, databases, performance and security, and building a mobile application.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Digital Electronics	BITL302	This is a comprehensive course on digital electronics training. The goal of the course is to learn the digital format of data and codes. It will assist students in understanding Number Systems, Numeric Codes, Logic Gates, Combinational Circuits, Sequential Circuits etc. for digital circuit-based applications.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Object Oriented Programming and Methodology	BITL303	This course deals with programming fundamentals, which includes variable decleration, control structures, functions, class, object and OOP concepts. That course makes student to employable and also develop skill related to Object Oriented programming and software development.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Computer Graphics	BITL304	This course would be focused on the basic concepts of computer graphics techniques and display devices, to enhance the proficiency in image representations, 2D and 3D graphics transformations. Brief overview to develop awareness with various illumination, color models and multimedia system.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf

Operating System	BITL305	It explains the concepts of interface working the computers in broader way. It gives the internal workings of the operating system in the conceptual manner.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Hardware Lab	BITL306	Working of Hardware and sofware components of computer and other peripherals.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Cellular and Mobile Communication	ITL801	This course covers interesting topics across a variety of mobile systems (wireless LANs, cellular systems, and sensor networks), and revisit the design of the various layers of the networking stack in the context of wireless communication.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Data Warehouse & Data Mining	ITL802	The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Fiber Optics and Optical Communication	ITL803	This course is intended to expose the students to the physical layer elements and seamlessly provide a transition from the physical layer issues to data link layer issues in optical communication systems and networks.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Neural Networks & Fuzzy Systems	ITL804	This course will start with a brief introduction to fuzzy sets. The differences between fuzzy sets and crisp sets will be identified. Various terms used in the fuzzy sets and the grammar of fuzzy sets will be discussed. Fundamentals of neural networks and various learning methods will then be discussed.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Parallel Processing	BITL601	Modern Parallel Computing is a hands-on course involving significant parallel programming on compute-clusters, multi-core CPUs and massive-core GPUs.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf

Mobile Computing	BITL602	This course covers interesting topics across a variety of mobile systems (wireless LANs, cellular systems, and sensor networks), and revisit the design of the various layers of the networking stack in the context of wireless communication.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Compiler Design	BITL604	This course deals with concepts of COmpile design, which includes lexical analyzer, syntax analyzer, sementics, ICG, code optimization and code ganeration. That course makes student to employable and also develop skill to solve different kind of newmerical problem those include in competative examinations.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Network & Web Security	BITL605	This course would cover the fundamentals of cryptography, hash functions and authentication mechanisms. Overview of IP and web security. Application of number theory and various algorithms for web security.	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Cloud Computing	BITL610	Clouds, Virtualization and Virtual Machine, Consensus, Paxos and Recovery in Clouds, Cloud Storage, P2P Systems and their use in Industry Systems	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Discrete Structures	BITL401	Graph theory, Mathematical Modeling, solution of recurrence relation	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Design & Analysis of Algorithms	BITL402	It provides the fundametal concepts of Algorithms design and its analysis in terms of time and space complextiy. It also teaches popular problem of the computer science with the help of concept development and coding	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Database Management System	BITL403	It is a collection of concept that enables the students to create and maintain a database. It provide the fundamental teminalogy to develop the full-fledge databases and it applicabity in the different domains.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf

Computer Networks	BITL404	This course would be focused on the basic concepts of computer network and its types, concepts of communication using different types of layes. Brief overview of Presentation, Session & Application Layer	2015	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Computer System Organization	BITL405	This course is concerned with the structure and behavior of a computer system as observed by the user. It serves as the link between hardware and software. It is involved with the elements of system interconnection. It enables students to design, create, and deploy applications that are better, quicker, cheaper, and more efficient in order to make informed decisions.	2014	https://web.mitsgwalior.in/images/Departments/information_technology/BoS/BoS%20Proceedings/1.%20BoS%20PROCEEDING%20MEETING%20HELD%20ON%2007%20JULY%202017.pdf
Transport Phenomena	CHL701	Couette flow,eflux from circular cone bottom	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2017-18%20EMPLOYBILITY%20COURSE.pdf
Optimization Techniques	CHL702	Application of optimization techniques to chemical processes	2016	https://web.mitsgwalior.in/images/Departments/chemical_engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2017- 18%20EMPLOYBILITY%20COURSE.pdf
Chemical Reaction EnggII	CHL703	Seven steps of catalysis	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2017-18%20EMPLOYBILITY%20COURSE.pdf
Process Equiment Design -II	CHL704	Design of shell and tube heat exchanger by kern's method	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2017-18%20EMPLOYBILITY%20COURSE.pdf
Petroleum Processing Technology	CHL705	Application of petroleaum technology in the process of chemical industry	2016	https://web.mitsgwalior.in/images/Departments/chemical_engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2017-18%20EMPLOYBILITY%20COURSE.pdf
Process Engineering & Costing	CHL801	Cost index capatalized cost	2016	https://web.mitsgwalior.in/images/Departments/chemical engineering/NAAC%20FILE%2016.12.22/naac%20criteria%201%20updated/2017-18%20EMPLOYBILITY%20COURSE.pdf

Bio Process Technology	CHL802		2016	https://web.mitsgwalior.in/images/Departments/chemi
		Biorectors, enzyme kinetics		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		biorectors, enzyme kinetics		teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Membrane Seperation Processes	CHL803		2016	https://web.mitsgwalior.in/images/Departments/chemi
		Demogratica Technique Devenes comocia		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Pervoration Technique, Reverse osmosis		teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Elective-II Process Safety & Hazard	CHL804		2016	https://web.mitsgwalior.in/images/Departments/chemi
Management		Fall Tree englisis avant tree englisis		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Fall Tree analysis, event tree analysis		teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Material Science & Technology	BCHL301	Study of phase diagrams	2016	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Fluid Mechanics	BCHL302	Pumps, flowmeters and valve	2016	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Material & Energy Balance	BCHL303	Combustion calculation	2016	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Fluid Particle Mechanics	BCHL304	Particales size reduction and screen analysis	2016	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Chemical Engineering	BCHL305	Ideal and non ideal mixer and solutions	2016	https://web.mitsgwalior.in/images/Departments/chemi
Thermodynamics				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Measurement & Instrumental	BCHP306	Accuracy precision and calibration	2016	https://web.mitsgwalior.in/images/Departments/chemi
Analysis Lab				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf

Heat Transfer	BCHL402		2016	https://web.mitsgwalior.in/images/Departments/chemi
		lumped parameter for distributed heat transfer		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		equipments		teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Mass Transfer - I	BCHL403		2016	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Drying of wet solids, Crystalization		teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Process Dynamics & Control	BCHL404	PID Controllers, Stablity analysis of process	2016	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Mechanical Design of Process	BCHL405		2016	https://web.mitsgwalior.in/images/Departments/chemi
Equipment		Design of head and closures		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Design of flead and closures		teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Computer Aided Process	BCHP406		2016	https://web.mitsgwalior.in/images/Departments/chemi
Calculations Lab		Analysis of data using excell, Access		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Elective-I Fluidization Engineering	BCHL501	Incepient fluidization	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
				https://web.mitsgwalior.in/images/Departments/chemi
Nana Tashnalagu	BCHL502	Utilization of nano particle by using different	2017	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
Nano Technology	BCHL302	Technology	2017	teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Organic Process Technology	BCHL503		2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
		Synthesis of oils		18%20EMPLOYBILITY%20COURSE.pdf
Mass Transfer -II	BCHL504	Seperation of component waste on difference	2017	https://web.mitsgwalior.in/images/Departments/chemi
		relative volatility		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf

Chemical Reaction EnggI	BCHL505	Reactors and flow analysis	2017	https://web.mitsgwalior.in/images/Departments/chemi
	50.12505	licaccors and now analysis	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Computational Methods in	BCHL506	Optimization of chemical processes	2017	https://web.mitsgwalior.in/images/Departments/chemi
Chemical Engg.	20112300	Spanning of chemical processes	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Chemical Technology Lab	BCHP507	Synthesis of different chemicals	2017	https://web.mitsgwalior.in/images/Departments/chemi
		,		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Elective -II Inorganic Process	BCHL602			https://web.mitsgwalior.in/images/Departments/chemi
Technology		Consent in director Puls and a consent adverter.	2017	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Cement industry, Pulp and paper industry	2017	teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Process Modeling & Simulation	BCHL604		2017	https://web.mitsgwalior.in/images/Departments/chemi
		Modelling of reactors, heat exchangers		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Process Equipment Design	BCHL605		2017	https://web.mitsgwalior.in/images/Departments/chemi
		Design of evaporators		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Design of evaporators		teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
			2017	https://web.mitsgwalior.in/images/Departments/chemi
Energy Technology	BCHL606	Utilization of energy by using Technolgy		cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
Life igy recimology	Berizooo	differential charge by using recimology		teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
				http://103.25.130.79/~mitsgwalior/images/Department
Piping Engineering	MCHL931	Application of Piping Engineering in industry	2016	s/chemical engineering/NAAC%20FILE%2016.12.22/2%
1 0				20JULy%202017%20BOS merged compressed.pdf
Advanced Mass Transfer	650102	Multicompnent seperation	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf

Computational Fluid Dynamics	650103	Tensor analysis of fluid motion	2017	https://web.mitsgwalior.in/images/Departments/chemi
		·		cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Advanced Chemical Reaction	650104	Mass transfer with chemical reaction	2017	https://web.mitsgwalior.in/images/Departments/chemi
Engineering				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Environmental Pollution,	650105	Advanced water treatment techniques	2017	https://web.mitsgwalior.in/images/Departments/chemi
Monitoring and Control				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
CFD Lab	650106	Fluent analysis of flow patterns	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
CRE Lab	650107	Kinetic study of reactions	2017	https://web.mitsgwalior.in/images/Departments/chemi
				cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
				teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Chemical Process Modeling &	650201			https://web.mitsgwalior.in/images/Departments/chemi
Simulation		Simulation of higher order equation oriented	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		system	2017	teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Advanced Process Control	650202			https://web.mitsgwalior.in/images/Departments/chemi
		Cascade control, feed forward control	2017	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Cascade control, feed forward control	2017	teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Optimization Techniques in	650203			https://web.mitsgwalior.in/images/Departments/chemi
Chemical Engineering		Simpley method hig M Method	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Simplex method big-M Method	2017	teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf
Risk Analysis & HAZOP	650204			https://web.mitsgwalior.in/images/Departments/chemi
		HAZOP,HAZAN	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
		INACOF, NACAN	2017	teria%201%20updated/2017-
				18%20EMPLOYBILITY%20COURSE.pdf

Scale Up Methods	650205			https://web.mitsgwalior.in/images/Departments/chemi
·		Scale Lin of Chamical Industrial Process	2017	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
		Scale Up of Chemical Industrial Process	2017	<u>teria%201%20updated/2017-</u>
				18%20EMPLOYBILITY%20COURSE.pdf
Lab - I (Simulation Lab)	650206			https://web.mitsgwalior.in/images/Departments/chemi
		Simulatrion of object oriented models	2017	cal_engineering/NAAC%20FILE%2016.12.22/naac%20cri
				<u>teria%201%20updated/2017-</u>
				18%20EMPLOYBILITY%20COURSE.pdf
	650207			https://web.mitsgwalior.in/images/Departments/chemi
		Vapour Liquid Equllibrium	2017	cal engineering/NAAC%20FILE%2016.12.22/naac%20cri
Lab II/Mass Transfer Lab				teria%201%20updated/2017-
Lab - II (Mass Transfer Lab)				18%20EMPLOYBILITY%20COURSE.pdf
Advance operating systems	CSL 801	Virtualization, Parallelism, Distributed Systems,	2016	https://web.mitsgwalior.in/images/Departments/Comp
Advance operating systems	C3L 801	Real-Time and multimedia, System Recovery	2016	uter-Science/BOS/07%20JULY%202017.pdf
Data Warehouse and Data Minning	CSL 802	Two Days Workshop Big Data and Hadoop	2016	https://web.mitsgwalior.in/images/Departments/Comp
Data Warehouse and Data Williams	C3L 002		2010	uter-Science/BOS/07%20JULY%202017.pdf
		Fuzzy Sets, Fuzzy reasoning, Fuzzy clustering,		
		Neural Networks, Multi-layer Feed-Forward		https://web.mitsgwalior.in/images/Departments/Comp
Neural Networks & Fuzzy Systems	CSL 803	Neural Network, Self-Organizing Map Radial	2016	uter-Science/BOS/07%20JULY%202017.pdf
		Basis FunctionNetwork, Genetic-Fuzzy system;		
		Genetic-Neural System		
		WIRELESS MOBILE COMMUNICATION, CELLULAR		
Cellular and Mobile communication	CSL 804	CONCEPT AND SYSTEM DESIGN	2016	https://web.mitsgwalior.in/images/Departments/Comp
		FUNDAMENTALS, MOBILE RADIO PROPAGATION,	2010	uter-Science/BOS/07%20JULY%202017.pdf
		MODULATION AND SIGNAL PROCESSING		
Maior Dupingt II	CCD 00F	Project Based Learning, Evaluation based on	2016	https://web.mitsgwalior.in/images/Departments/Comp
Major Project-II	CSD 805	project and presentation	2016	uter-Science/BOS/07%20JULY%202017.pdf
Self Study	CSS 806	Self Study based Course	2016	https://web.mitsgwalior.in/images/Departments/Comp
Sell Study	C33 800	·	2010	uter-Science/BOS/07%20JULY%202017.pdf
Seminar/ Group Discussion	CSS 807	Evaluation based on seminar presentation, and	2016	https://web.mitsgwalior.in/images/Departments/Comp
Serimary Group Discussion	C33 007	group discussion	2010	uter-Science/BOS/07%20JULY%202017.pdf
Artificial Intelligence and Expert		KNOWLEDGE AND REASONING, UNCERTAIN		https://web.mitsgwalior.in/images/Departments/Comp
Systems	CSL 701	KNOWLEDGE AND REASONING, PLANNING AND	2016	uter-Science/BOS/07%20JULY%202017.pdf
, -		LEARNING, EXPERT SYSTEMS		
	001 70-	Translation Process, Lexical Analysis, Syntax	2015	https://web.mitsgwalior.in/images/Departments/Comp
Compiler Design & Translator	CSL 702	Analysis, Semantic Analysis, Code Generation	2016	uter-Science/BOS/07%20JULY%202017.pdf
		and Code Optimization		

Parallel Processing	CSL 703	Multi programming and Time Sharing, Principles of Pipelining, Vector Processing, Array Processing, Multiprocessor Architecture, Programming & Control, Process Synchronization mechanism	2016	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Networking with TCP/IP	CSL 704	TCP/IP model, Subnetting and Supernetting, TCP and UDP Protocols, Routing Protocols, Troubleshooting Principles	2015	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Internet Technology & web Designing	CSL 705	Internet Technology and Protocol, Internet Connectivity, Electronic Mail, Web Publishing and Browsing, HTML Programming Basics, Internet Security Management Concepts	2016	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Major Project-I	CSD 706	Project Based Learning, Evaluation based on project and presentation	2016	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Self Study	CSS 707	Self Study based Course	2016	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Seminar/ Group Discussion	CSS 708	Evaluation based on seminar presentation, and group discussion	2016	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Parallel Processing(E-II)	BCSL601	Multi programming and Time Sharing, Principles of Pipelining, Vector Processing, Array Processing, Multiprocessor Architecture, Programming & Control, Process Synchronization mechanism	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Information Theory & Coding (E-II)	BCSL609	Entropy, its characterization and related properties, Huffman codes, Shannon-Fano coding, Error correcting codes, Convolution encoding, Threshold decoding, Cyclic binary codes, Combinatorial Designs, Network Coding	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Cloud Computing (E-II)	BCSL610	Two Days Workshop Big Data and Hadoop	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Mobile Computing	BCSL602	Personal Communication Services(PCS), General Packet Radio Services(GPRS), Wireless Application Protocol(WAP), Third Generation (3G) Mobile Services, Wireless Local Loop (WLL)	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf

Software Project Management	BCSL603	PROJECT EVALUATION AND PROJECT PLANNING, PROJECT LIFE CYCLE AND EFFORT ESTIMATION, ACTIVITY PLANNING AND RISK MANAGEMENT, PROJECT MANAGEMENT AND CONTROL, STAFFING IN SOFTWARE PROJECTS	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Compiler Design	BCSL604	Translation Process, Lexical Analysis, Syntax Analysis, Semantic Analysis, Code Generation and Code Optimization	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Network & web Security	BCSL605	Security Principles, Cryptography, Hash Functions, IP & Web Security, Phishing	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Minor Project	BCSP606	In this course the students apply the programming knowledge into a real- world situation/problem and exposed the students how programming skills helps in developing a good engineer	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Self Study	BCSS607	Self Study based Course	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Seminar/ Group Discussion	BCSS608	Evaluation based on seminar presentation, and group discussion	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Principle of management & Economics	BCSL501	Introduction to Management, Evolution of Management, Planning, Forecasting and Premising, Decision-making, The Mathematics of Supply and Demand, Demand Elasticity	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Networking with TCP/IP(E-I)	BCSL502	TCP/IP model, Subnetting and Supernetting, TCP and UDP Protocols, Routing Protocols, Troubleshooting Principles	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Internet Technology & web Designing(E-I)	BCSL509	Internet Technology and Protocol, Internet Connectivity, Electronic Mail, Web Publishing and Browsing, HTML Programming Basics, Internet Security Management Concepts	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Management Information System(E-I)	BCSL510	Management Information systems :Types of MIS, Capabilities, Complements, Database management systems, Data Warehousing, Foundations of business intelligence, Data and Text Mining, Strategic Enterprise Systems, Operational Support Systems, Mobile and Ecommerce, Knowledge Management	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf

Software Engineering	BCSL503	Requirement Engineering, Software Metrics, Project Management and Estimation, Software Testing	2014	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
MicroProcessor & Interfacing	BCSL504	Microprocessors (8086), Basic Peripherals and Interfacing, Special Purpose Programmable Peripheral Devices and Interfacing, Serial and Parallel Data Transfer, Microcontrollers	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Theory of Computation	BCSL505	Automata, Computability and Complexity, Push down Automata, Turing Machine, Decidability	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Lab( Java Programming)	BCSP506	Java Programming Basics, Object-oriented programming with Java Classes and Objects, Extending Classes and Inheritance, Exception handling, String Package and Multithreading, Threads, The I/O Package	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Self Study	BCSS507	Self Study based Course	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Seminar/ Group Discussion	BCSS508	Evaluation based on seminar presentation, and group discussion	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Discrete Structure	BCSL 401	Sets, Functions, Propositional logic, Graph Theory, Group Theory	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Design & Analysis of Algorithms	BCSL 402	Algorithms and its importance, Algorithm Design Methods (Divide and Conquer Method, Greedy Method, Dynamic Programming, Backtracking), Algorithm Analysis	2016	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Database Management System	BCSL 403	SQL, Normalization, Transaction Processing & Concurrency Control	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Computer Networks	BCSL 404	Networking Protocols, OSI Reference Model & TCP/IP Reference Model	2015	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Computer System Organization	BCSL 405	Central Processing Unit (CPU), Computer Arithmetic, Microprocessors, Input-Output Organization, Memory Organization	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Unix/Linux Lab	BCSP406	Unix/Linux Installation Process, Hardware Requirements for Unix/Linux, Features of Linux/Unix Operating System, Kernel, Kernel Functions, The Shell Basic Commands, Shell Programming, File System, Process Control, System Security	2016	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf

Idea Generation	BCSS407	Design Thinking, Preparing Your Mind for Innovation, Idea Generation, Experimentation	2016	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Communication Skill	BCSS408	Nature and Scope of Communication, Process of Communication, Barriers to communication, Non-Verbal Communication, Effective Communication, Communication Network in an Organization, VERBAL COMMUNICATION	2016	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Mathmatics-III	BCSL301	Function of Complex variable, Statistical Techniques, Numerical Techniques, Integral Transforms	2016	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Digital Electronics	BCSL302	Number System, Boolean Algebra, Boolean Functions, Boolean Relations, Digital Logic Gates, Combinational Circuits, Sequential Circuits, Memory Decoding, Sequential Programmable Devices	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Object Oriented Programming and Methodology	BCSL303	Object Oriented Concepts, Programming Techniques, Classes & Objects, Constructors and Destructors, Polymorphism, Inheritance, Pointer & File Concept	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Computer Graphics	BCSL304	Interactive Computer Graphics, Scan Conversion Technique, 2D & 3D Transformations, Clipping	2016	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Operating System	BCSL305	Basics of operating systems, Process management, Memory management, Storage management	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Hardware Lab	BCSP306	Hardware components, Connections, Buses, Memory Devices, Microprocessor, Input/Output Devices, Networking, Troubleshooting	2016	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Seminar/Presentation/ GD	BCSS307	Evaluation based on seminar presentation, and group discussion	2016	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Advance Database Management System	620201	Overview of storage and indexing, Hash Based Indexing, Query Optimization, Object Databases, Distributed Databases	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Soft Computing	620202	National Workshop on Soft Computing Techniques and its Applications	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf

Advance Algorithms and Design	620203	Algorithms Analysis, Asymptotic Notations, Algorithm Design Techniques, Divide And Conquer, Greedy Algorithms, Combinational Search and Optimization, Dynamic Programming, NP - Completeness	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Advance Topics in Data Mining & Warehousing	620204	Data Mining, Applications, Data Mining Models, Data Warehousing and OLAP, Challenges, Tools, Data Mining Principles, Data Preprocessing: Data Preprocessing Concepts, Data Visualization, Data Sets and Their Significance, Classification Models, Association Rules Mining, Cluster Analysis	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Adhoc & Sensor Based Networks	620205	MAC & ROUTING IN AD HOC NETWORKS, TRANSPORT & QOS IN AD HOC NETWORKS, MAC & ROUTING IN WIRELESS SENSOR NETWORKS, SECURITY IN AD HOC AND SENSOR NETWORKS	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-I	620206	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-II	620207	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Theoritical Foundation of Computer Science	620101	Sets, relations, equivalence relations, partial orders, functions, Propositional logic, predicate logic, Lambda notation for functions, Tree Structures, Graph structures,	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Distributed System	620102	Distributed Computing Model, Distributed Share Memory, Distributed File System, Inter Process Communication and Synchronization, Distributed Scheduling and Deadlock	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/07%20JULY%202017.pdf
Advanced Computer Architecture	620103	Processor Design Concepts, Instruction Pipeline Principles, Pipeline Scheduling Techniques, Superscalar Processing, Cache Memory Principles, Cache Memory Optimizations, Primary and Secondary Storage Systems	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf

Advanced Computer Networks	620104	Layered communication architecture, Advanced Routing algorithms, Network Congestion Control algorithms, Quality of service, Real Time Transport Protocol, Internetworking, Wireless Networks and Mobile Networks, Mobile IP, Mobile TCP, IP Security	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Mobile Computing &M- Commerce	620105	overview of wireless telephony: cellular concept, GSM, channel structure, location management: HLR-VLR, hierarchical, handoffs, channel allocation in cellular systems, CDMA, GPRS. Wireless Networking, Data management, Mobile Agents computing	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-l	620106	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
Lab-II	620107	Lab Based Implementation	2017	https://web.mitsgwalior.in/images/Departments/Computer-Science/BOS/07%20JULY%202017.pdf
SAD and Software Engineering	680101	Discover what the business is trying to do to reach its objectives by addressing specific problems or opportunities	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Mathematical Foundation of Computer Science	680102	Apply the concepts of mathematics to the suitable technique for relevant industries and contribution to the society	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Programming and Problem Solving in C	680103	Use the techniques, skills and modern tools like new GUI etc necessary for program development	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017_compressed.pdf
Computer Organization and Assembly Language Programming	680104	Write Assembly language programs.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017_compressed.pdf
Communication Skills	680105	Implement professional work habits necessary for effective collaboration and cooperation with others	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Programming Laboratory in C	680106	Design an algorithm solution for a given problem	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Assembly Language Programming Lab	680107	Write the code to access registers and retrieve the memory address of pointers and values.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf

Multimedia Systems	680201	Develop multimedia virtual reality application using some author-ware.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Computer Graphics	680202	Demonstrate their ability to use modern 3D computer graphics techniques, models, and algorithms to solve graphics problems.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Data Structure	680203	Analyze different data structures technique and pick an appropriate data structure for a design situation.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Computer Oriented Numerical & Statistical Methods	680204	Applying the concepts of the studied topics to the suitable technique for relevant industries and contribution to the society	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Accounting & Management Control	680205	Develop a broad understanding of journal, ledger, cash book and financial statements of a business organization	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017_compressed.pdf
Data Structure Programming Lab	680206	Execute appropriate sorting/searching technique for given problem.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Programming Lab in Computer Graphics	680207	Design and implement models of surfaces, lights, sounds, and textures (with texture transformations) using a 3D graphics API.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Computer Oriented Optimization	680301	Evaluate and Implement suitable techniques relevant for industries and contribute to the society.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Operating System	680302	Apply the various resource management techniques for distributed systems	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Object Oriented Methodology & C++	680303	Design the solution for societal beneficiary problems using C++ features and the Standard Template Library	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Database Management System	680304	Analyze an information storage problem and derive an information model expressed in the form of an entity relation diagram and other optional analysis forms, such as a data dictionary, file and page organizations, indexing methods including B tree, and hashing.	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017_compressed.pdf

Managerial Economics	680305	Develop an understanding of professional and ethical responsibilities so as to analyze and solve contemporary issue	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Minor Project-I(VB+MySqI)	680306	Construct database application system solutions to a broad range of query problems.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
C++ Programming Lab	680307	Design the classes and constructs for real time software as per societal needs.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Theory of Computation	680401	Demonstrate key notions, such as algorithm, computability, decidability, and complexity through problem solving.	2014	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Artificial Intelligence and Machine Learning	680402	Develop intelligent algorithms for constraint satisfaction problems and also design intelligent systems for Game Playing.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Unix and Shell Programming (Elective-I)	680403	Identify Unix utilities to create and manage simple file processing operations, as well as more complex tasks.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017_compressed.pdf
Java Programming and Technologies	680404	Implement Java programs comprising more than one class, to address a particular software problem.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Computer Networks and Communication	680405	Justify the use of cryptography, security and networking techniques and other concepts of computer networks for providing better network/applications in society	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Minor Project-II (Java and MySQL)	680406	Identify classes, objects, members of a class and relationships among them needed for a specific problem.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Programming Lab in Unix and Shell Programming	680407	Design a text file with the vi text editor using the standard vi editor commands.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017_compressed.pdf
Analysis and Design of Algorithms	680501	Demonstrate a number of standard algorithms for problems in fundamental areas in computer science and engineering such as sorting, searching, and problems involving graphs.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017_compressed.pdf

Network and Cyber Security	680502	Evalute appropriate resources to stay abreast of the latest industry tools and techniques analyzing the impact on existing systems and applying to future situations.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Web Technologies and Cloud Computing	680503	Explore some important cloud computing driven commercial systems such as Google Apps, Microsoft Azure and Amazon Web Services and other businesses cloud applications	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017_compressed.pdf
Elective-I (.NET Technologies and C#)	680504	Develop web-based distributed applications using C#, ASP.NET, SQL Server and ADO.NET	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017_compressed.pdf
Elective-II ( Data Warehousing and Mining)	680505	Select appropriate DM tools and methods for clustering, association, and classification in order to design a data mart or data warehouse for any organization.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Minor Project-III (Web Based Application Using .NET)	680506	Recognize the professional ethics and team management principles.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Programming Lab in PHP and Web Technologies	680507	Demonstrate web application using PHP web Framework.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
System Development Project	680601	Recognize the professional ethics and team management principles.	2017	https://web.mitsgwalior.in/images/Departments/Comp uter-Science/BOS/MCA%20BOS/7-7- 2017 compressed.pdf
Architectural Design I	210101	UNIT-4 FORM BUILDING(MODELS)and UNIT 5: Product Design	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOARD%20OF%20STUDIES%20M EETING%20July%202017.pdf
	242403	Solve basic problems involving graphics and spatial manipulations for architectural Isometric view: Exterior view of a simple residential building showing all building components.  Axonometric view: Axonometric view of a room interior	2047	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOARD%20OF%20STUDIES%20M EETING%20July%202017.pdf
Graphics - I	210103	showing all interior components.	2017	

English Language (Architectural Appreciation)	210106	Enhance the communication skills in English by developing their listening, speaking, reading and writing skills, speaking skills with specific reference to prospective/actual clients, suppliers, business partners and colleagues, reading ability of journals, research articles etc & develop their writing skills especially writing project proposals and reports.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOARD%20OF%20STUDIES%20M_EETING%20July%202017.pdf
Workshop - I	210107	Students obtain the ability to appreciate the three dimensional implications of design.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOARD%20OF%20STUDIES%20M <u>EETING</u> %20July%202017.pdf
Architectural Design III	Ar 301	Study of contemporary practices & design for town houses and villas in urban areas, to sensitize the students towards life style, individual preferences, space – activity relationship and exploration of how material, color, texture and light affect the quality of spaces is the main focus. It is also intended as an exercise in massing & configuration of façade elements such as the balancing of solids & voids, adoption of a system of proportioning and elements of contemporary detailing. This design exercise will also attempt to involve the student in the built form / open space relationship & explore the connectivity between indoor & outdoor spaces./ Design independent residential buildings in urban areas with concepts that respond to	2017	https://web.mitsgwalior.in/images/Departments/archit ecture_planning/BOS/BOARD%20OF%20STUDIES%20M EETING%20July%202017.pdf
All children and a second a second and a second a second and a second	711 301	UNIT-3DETAILS OF DOORS, WINDOWS & VENTILATORS: Timber Doors and its Joints: Single, double-leaf, ledged braced & battened door, framed ledged braced &battened door, Paneled door, flush door, and Composite door., Timber Doors and its Joints: Single, double-leaf, ledged braced & battened door, framed ledged braced &battened door, Paneled door, flush door, and Composite door.,Timbers Windows & ventilators: Casement(side hug & top hug), Sliding pivoted (horizontal and vertical) foldingand bay windows, fixed light of different sizes and shapes.,Combined doors and windows and ventilators::Draw types of timber doors, windows, ventilators and its joinery detail.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOARD%20OF%20STUDIES%20M EETING%20July%202017.pdf
Building Construction II	AR 302		2017	

		Exercise will be a group activity; to measure and draw the		https://web.mitsgwalior.in/images/Departments/archit
		floor plan along with the plot boundaries, four side		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		elevations, four sections, block plan, site plan of a large		EETING%20July%202017.pdf
Companies Lavelline and site		building or a settlement with the help of CAD. In addition to		EETING/020July/0202017.pul
Surveying, Levelling and site	4.0.00	this drawing shall be prepared based on examples of	2017	
planning	AR 306	buildings by giving a sketch design.	2017	
		LINUT 1 MANTEDIAL CTUDIO Archivetha sultura of a vilear		https://web.mitsgwalior.in/images/Departments/archit
		UNIT 1 - MATERIAL STUDIO, Analyzethe culture of a place – building types such as the cultural center comprising of		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
		spaces such as the art gallery, auditorium for performing		EETING%20July%202017.pdf
		arts, library etc		
		UNIT - 2 HEALTHCARE BUILDINGS, Hospitals and Nursing		
		homes are a special category of buildings where functional		
		aspects such as planning, building services & the creation of		
Architectural Design V	AR501	a sterile environment become important design issues.	2017	
		UNIT-1 BUILDING MATERIALS –IV, UNIT -2 STEEL,		https://web.mitsgwalior.in/images/Departments/archit
		UNIT-3 WALL & FLOOR		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		UNIT-4 PARTITIONS & FALSE CEILING:UNIT-5 THERMAL INSULATION AND ACOUSTICS INSULATION		EETING%20July%202017.pdf
Building Construction IV	AR502	INSOLATION AND ACCOSTICS INSOLATION	2017	
- and an action is	7.1.002	UNIT-1 ELECTRICAL SERVICES, UNIT-2 ILLUMINATION AND		https://web.mitsgwalior.in/images/Departments/archit
		LIGHTING DESIGN, UNIT-3 AIR CONDITIONING ,UNIT-4		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		PUMPS AND MACHINERIES, UNIT-5 ELECTRICAL AND AC		EETING%20July%202017.pdf
Building Services II	AR503	DUCT LAYOUT OF SIMPLE BUILDINGS.	2017	<u> </u>
		UNIT-1 CLIMATE &THERMAL COMFORT, UNIT-2 SOLAR		https://web.mitsgwalior.in/images/Departments/archit
		GEOMETRY & DESIGN OF SUNSHADING DEVICES		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Building Science and energy		UNIT-3 PRINCIPLES OF THERMAL DESIGN IN BUILDINGS ,UNIT-4 VENTILATION & DAY LIGHTING		EETING%20July%202017.pdf
conservation	AR504	UNIT-5 DESIGN FOR CLIMATIC TYPES	2017	
	7.1.00	UNIT-1 INTRODUCTION& ELEMENTS OF		https://web.mitsgwalior.in/images/Departments/archit
		LANDSCAPE ARCHITECTURE AND LANDSCAPE		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		DESIGN		EETING%20July%202017.pdf
		UNIT-2 HISTORY OF LANDSCAPE ARCHITECTURE		LETHVG/0203uly/0202017.pul
		& URBAN LANDSCAPE		
		UNIT-3 INTRODUCTION TO SITE ANALYSIS & SITE		
		INFLUENCING FACTORS		
		UNIT-4 DESIGN OF LANDFORMS IN A SITE & SITE		
		PLANNING PRINCIPLES AND TECHNIQUES		
		UNIT-5 SITE CHARACTERISTICS AND DESIGN		
Site planning and Landscaping	AR505	REQUIREMENTS& LANDSCAPE EXERCISE.	2017	
		Student understands the construction, changing		https://web.mitsgwalior.in/images/Departments/archit
		trends and lifestyles innovations and design		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Elective-I (Graphic Design )	AR506	ideas.	2017	EETING%20July%202017.pdf

		UNIT-1 - The range of design problems shall		https://web.mitsgwalior.in/images/Departments/archit
		include projects of progressively increasing		ecture planning/BOS/28-06-131-compressed.pdf
		complexity.		cecure planning, 500, 20 00 101 compressed par
		Exercises related to public buildings i.e,		
		Commercial center, hospital, Study and		
		incorporation of building bye-laws should be		
		complete in this Sem.		
		UNIT-2- The range of design problems shall		
		include projects of progressively increasing		
		complexity.		
		Exercises related to public buildings i.e.		
		Auditorium, sports cinema, sports complex &		
Design VII	A411	educational buildings.	2017	
3		UNIT-1 SPECIAL STRUCTURES, UNIT- 2 ADVANCE		https://web.mitsgwalior.in/images/Departments/archit
		CONSTRUCTION SYSTEM, UNIT- 3 PRE STRESSED		ecture planning/BOS/28-06-131-compressed.pdf
		CONCRETE		
		UNIT- 4 TALL BUILDINGS, UNIT- 5 SHELLS AND		
Adv. Building Construction VI	A412	FOLDED PLATES	2017	
		classification of settlements, land-use, zoning		https://web.mitsgwalior.in/images/Departments/archit
		and types of development plan, simple Town		ecture planning/BOS/28-06-131-compressed.pdf
Town Planning	A415	planning techniques,	2017	
		Student understands the field of conservation,		https://web.mitsgwalior.in/images/Departments/archit
		its techniques and develop a base for practical		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Elective-II (Conservation)	AR705	field work.	2017	EETING%20July%202017.pdf
				https://web.mitsgwalior.in/images/Departments/archit
		Students get the acquisition of knowledge, skills		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
		and experience for operating under an expert in		EETING%20July%202017.pdf
Practical Training	AR 511	a particular field or area of specialisation.	2017	
		Present and past paradigms in planning as the		
		distinct perspective(s) from which problems and		
		solutions are being defined. 'object-centred', the		https://web.mitsgwalior.in/images/Departments/archit
		'control-centred', and the 'decision-centred'		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Planning History & Theories	670101	paradigms.	2017	EETING%20July%202017.pdf
		Anticipations of and response to future needs		
		for social, health and other human services with		
		spatial planning, physical and social features like		https://web.mitsgwalior.in/images/Departments/archit
		topography, drainage, climate, population		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Socio-Economic Basis for Planning	670102	settlements etc.	2017	EETING%20July%202017.pdf

		Methods or processes followed by planners in		https://web.mitsgwalior.in/images/Departments/archit
		preparing or evaluating their plans, programs,		ecture planning/BOS/BOARD%200F%20STUDIES%20M
Planning Techniques	670103	and policies.	2017	EETING%20July%202017.pdf
		Defining future policies, goals, investments, and		https://web.mitsgwalior.in/images/Departments/archit
Infrastructure & Transportation		spatial planning designs to prepare for future		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Planning	670104	needs to move.	2017	EETING%20July%202017.pdf
		fundamental concepts and theories of Housing		
		and apply them		https://web.mitsgwalior.in/images/Departments/archit
		in their design projects, various types of Housing		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Housing & Environmental Planning	670105	and its components.	2017	EETING%20July%202017.pdf
				https://web.mitsgwalior.in/images/Departments/archit
		Film appreciation, literature review and area		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Studio Course-I	670106	appreciation	2017	EETING%20July%202017.pdf
				https://web.mitsgwalior.in/images/Departments/archit
				ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Studio Course-II	670107	Site Planning and prepare city development plan	2017	EETING%20July%202017.pdf
		Inclusive Planning, Stakeholders Profile and		https://web.mitsgwalior.in/images/Departments/archit
		Needs, Access to Shelter, Services and		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Inclusive Urban Planning (Elective -I)	670301	Livelihoods	2017	EETING%20July%202017.pdf
		Identification of key issues related to the area of		https://web.mitsgwalior.in/images/Departments/archit
Environment, Development and		planning & understanding of standards and		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Disaster Management (Elective - II)	670302	conventions of doing research.	2017	EETING%20July%202017.pdf
		Identification of key issues related to the area of		https://web.mitsgwalior.in/images/Departments/archit
		planning & understanding of standards and		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Seminar	670303	conventions of doing research.	2017	EETING%20July%202017.pdf
		Standards and conventions of doing research		
		and gain preliminary background information		
		that puts the research in contemporary context		https://web.mitsgwalior.in/images/Departments/archit
		and undertake research on past initiatives and		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Dissertation	670304	future possibilities in the area.	2017	EETING%20July%202017.pdf

	I	1		
Architectural Design II	210201	PROJECT 1(Prototype ): SINGLE SPACE DESIGN,PROJECT 2(Prototype): SMALL SCALE MULTI-SPACE DESIGN Enlighten the student on the design project overview & the design process to be followed through relevant presentations. Present an analytical discourse on an identical architectural design project covering Architectural, elements, spaces & terms Noted projects & architects, Space planning etc.	2017	https://web.mitsgwalior.in/images/Departments/architecture_planning/BOS/BOARD%200F%20STUDIES%20MEETING%20July%202017.pdf
		, , , , , , ,		<u> </u>
		UNIT-1 LOW-COST CONSTRUCTION - Foundation		
		and wallsin stabilized mud-rammed earth and		
		compact earth blocksIntroduction toLow-cost		
		construction techniques and materials with		
		combinations of mud and terra – cotta.		
		UNIT-2 INTRODUCTION OF BASIC BUILDING		
		COMPONENTS, UNIT-3 WALL, UNIT-4		
		INTRODUCTION TO OPENINGS		
		UNIT-5 ROOFS - Simple configurations and		https://web.mitsgwalior.in/images/Departments/archit
		details of various forms of roofs: Flat, sloped,		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Building Construction I	201202	pyramids and dome.	2017	EETING%20July%202017.pdf
		UNIT-1 ELEMENTS AND PRINCIPLES OF		
		PERSPECTIVE DRAWING - Principles of		
		perspective drawings and understanding of all		
		relevant terms like Picture Plane, Centre line of		
		vision, Eye Level, Height Line, Vanishing Points,		
		Cone of Vision, Station Point, Horizon line,		
		Ground line etc. UNIT-2 TWO POINT		
		PERSPECTIVE VIEW OF BUILDINGS - Construction		
		of Two point perspective grid. UNIT-3 ONE		
		POINT INTERIOR PERSPECTIVE - Construction of		
		One point perspective grid, UNIT-4 SCIOGRAPHY,		
		UNIT-5 MEASURED DRAWING- To measure and		
		draw the Ground Floor Plan along with plot		
		boundaries, four side elevations, two sections,		https://web.mitsgwalior.in/images/Departments/archit
Carabia	246262	block plan, site plan of existing single storied	2017	ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Graphics - II	210203	building	2017	EETING%20July%202017.pdf

		Students obtain the ability of model making,		https://web.mitsgwalior.in/images/Departments/archit
		basics of rendering, presentation skills using		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Workshop - II	210204	various materials.	2017	EETING%20July%202017.pdf
	AR 401	PROJECT 1(Prototype): VILLAGE SURVEY &		
		RURAL HOUSING , PROJECT 2(Prototype):		
		DESIGN OF COMMUNITY FACILITIES - Community		
		facilities –Design of Community hall, Nursing		
		home, Youth hostel, Old age home etc.,		
		encourage the student to explore concepts an		
		agglomeration of simple spaces with particular		https://web.mitsgwalior.in/images/Departments/archit
		emphasis on the special needs of elderly,		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Architectural Design IV		handicapped etc.	2017	EETING%20July%202017.pdf
	AR 402	UNIT-1 BUILDING MATERIALS, UNIT -2 RCC		
		FOUNDATION - Introduction to RCC framed		
		structures, concrete foundation: Types of footing		
		<ul> <li>Isolated, combined, continuous, strip raft &amp;</li> </ul>		
		piles , UNIT-3 BEAMS AND SLABS, UNIT-4		
		RETAINING WALL, EXPANSION		
		JOINTS, AND WATERPROOFING -		
		Waterproofing basement, construction of pools,		
		fireplaces, and fuels. Fire safety construction		https://web.mitsgwalior.in/images/Departments/archit
		techniques, UNIT-5 CLADDING SYSTEMS &		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Building Construction III		FINISHES	2017	EETING%20July%202017.pdf
	AR 403			
		UNIT-1 WATER SUPPLY - Sources of water supply		
		<ul> <li>Water Quality - Water requirements for</li> </ul>		
		different types of buildings and for town, simple		
		method of removal of impurities, Rainwater		
		harvesting to include roof top harvesting, type of		
		spouts, sizes of rainwater pipes and typical detail		
		of a water harvesting pit, UNIT-2 DRAINAGE AND		
		SEWAGE DISPOSAL, UNIT-3 SOLID WASTE		
		DISPOSAL, UNIT-4 EMERGING PROCESSING		
		TECHNOLOGIES, UNIT-5 PLUMBING AND FIRE		
		FIGHTING LAYOUT OF SIMPLE BUIDINGS -		
		Designing of toilet blocks in residential and		
		public buildings, showing complete details of		https://web.mitsgwalior.in/images/Departments/archit
		fittings and plumbing required for water supply		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Building Services - I		and drainage.	2017	EETING%20July%202017.pdf

	AR406	HISTORY OF LANDSCAPE ARCHITECTURE &		
		URBAN LANDSCAPE, INTRODUCTION TO SITE		
		ANALYSIS & SITE INFLUENCING FACTORS		
		, DESIGN OF LANDFORMS IN A SITE & SITE		
		PLANNING PRINCIPLES AND TECHNIQUES, SITE		https://web.mitsgwalior.in/images/Departments/archit
		CHARACTERISTICS AND DESIGN		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Site planning and Landscaping		REQUIREMENTS& LANDSCAPE EXERCISE.	2017	EETING%20July%202017.pdf
	AR 601			
		PROJECT I: DESIGN FOR HOSPITALITY INDUSTRY -		
		The project requires the understanding of the		
		special nature and functioning of the hotel		
		industry and to respond with suitable concepts		
		of space planning, circulation, interior design,		
		materials and lighting. PROJECT II: URBAN		
		INFRASTRUCTURE PROJECTS - Contemporary		
		transportation terminals and stadiums are large		
		buildings with multiple entries & exits dealing		
		with large crowds and having multiple levels		https://web.mitsgwalior.in/images/Departments/archit
		with large spans, complex services & demanding		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Architectural Design VI		environmental conditions.	2017	EETING%20July%202017.pdf
	AR 602	UNIT-1 INTRODUCTION TO THE STUDY OF		
		ACOUSTICS & SOUND TRANSMISSION,		
		ABSORPTION, INSULATION		
		UNIT-2 NOISE CONTROL AND SOUND		
		REINFORCEMENT & ACOUSTICS IN BUILDING		
		DESIGN AND CONSTRUCTION		
		UNIT-3 FIRE FIGHTING SERVICES, UNIT-4 FIRE		
		FIGHTING SYSTEMS & BUILDING NORMS. UNIT-5		
		FIRE FIGHTING LAYOUT OF BUILDINGS & DESIGN		https://web.mitsgwalior.in/images/Departments/archit
		AND DETAILING FOR ACOUSTICS OF		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
Building Construction V		MULTIPURPOSE HALLS.	2017	EETING%20July%202017.pdf

Advanced building services	AR 603	UNIT-1 INTRODUCTION& ELEMENTS OF		
Advanced building services	AI 003	LANDSCAPE ARCHITECTURE AND LANDSCAPE		
		DESIGN		
		UNIT-2 HISTORY OF LANDSCAPE ARCHITECTURE		
		& URBAN LANDSCAPE		
		UNIT-3 INTRODUCTION TO SITE ANALYSIS & SITE		
		INFLUENCING FACTORS		
		UNIT-4DESIGN OF LANDFORMS IN A SITE & SITE		
		PLANNING PRINCIPLES AND TECHNIQUES		https://web.mitsgwalior.in/images/Departments/archit
		UNIT-5 SITE CHARACTERISTICS AND DESIGN		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		REQUIREMENTS& LANDSCAPE EXERCISE.	2017	EETING%20July%202017.pdf
Specification, Estimation and	AR 604	Student can estimate the costing and	2017	EETHO7020301Y70202017.pdf
costing	AIX 004	specification of small porjects and undersstands		
Costing		about the successful		
		implementation of the project to know about		https://web.mitsgwalior.in/images/Departments/archit
		the material required and cost to be incurred		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		before starting a new project.	2017	EETING%20July%202017.pdf
Town Planning	AR 605	Student understands the contemporary issues in	2017	<u>=====================================</u>
Town Hamming	7.11.003	urban planning, overall understanding of		
		classification of settlements, land-use, zoning		https://web.mitsgwalior.in/images/Departments/archit
		and types of development plan, simple Town		ecture planning/BOS/BOARD%200F%20STUDIES%20M
		planning techniques,	2017	EETING%20July%202017.pdf
Working Drawing	AR 607	1, 2, 3, 2, 2, 3, 2, 2, 3, 2, 3, 3, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	-	
		UNIT- 1 BUILDING DRAWING		
		Centre line plan, Foundation plan, Structural grid		
		plan (in case of framed structures), Basement		
		floor plan, Ground floor plan, Typical floor plan,		
		All elevations, All sections: one at least through		
		staircase and one through toilet, Terrace floor		
		plan giving details of surface drawing etc, UNIT-		
		2 SERVICES, UNIT- 3 SPECIFICATION, UNIT- 4		
		MATERIALS- Glass Plywood and laminates		
		Hardware Electrical wires and accessories Water		https://web.mitsgwalior.in/images/Departments/archit
		supply and plumbing: fittings and fixtures		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
		flooring and cladding.	2017	EETING%20July%202017.pdf
				<u> </u>
		This course help students in working at the city		https://web.mitsgwalior.in/images/Departments/archit
		and regional level organizations like municipal		ecture planning/BOS/BOARD%20OF%20STUDIES%20M
Elective-II (Vastu)	AR606	corporations, development authorities etc.	2017	EETING%20July%202017.pdf
		•		I.

	A422	UNIT- 1 INTRODUCTION - Emergence of urban		https://web.mitsgwalior.in/images/Departments/archit
	7444	design as a discipline, need for urban design,		ecture planning/BOS/28-06-131-compressed.pdf
		Elements of urban design(buildings, streets,		ecture planning/ bos/28-00-151-compressed.pdf
		public spaces, transports, other elements etc.		
		Principles of urban design- creating form and		
		spatial definition in articulation of urban design		
		expression.		
		UNIT- 2 STUDY AND ANALYSIS OF URBAN SPACES		
		IN HISTORY AND MODERN CONCEPTS		
		UNIT- 3 BASIC PRINCIPLES & TECHNIQUES IN		
		URBAN DESIGN, UNIT- 4 RENEWAL, RE-		
		DEVELOPEMENT AND FORMULATING URBAN		
		DESIGN, UNIT- 5 URBAN DESIGN SURVEY AND		
		PRESENTATION - Conducting an urban design		
		survey of Conservation of historic cities, open-		
		spaces, development of market spaces, transit		
		oriented developments, water front		
Urban desugn		development in India.	2017	
	A423			https://web.mitsgwalior.in/images/Departments/archit
		UNIT- 1 THE PROFESSIONAL ROLE OF AN		ecture_planning/BOS/28-06-131-compressed.pdf
		ARCHITECT & SERVICES RENDERED, UNIT- 2		
		ARCHITECTURAL COMPETITIONS &		
		LEGISLATIONS- Regulations governing the		
		conduct of competitions, Types of competition		
		(open & closed competitions), appointment &		
		duties of Assessors, instructions to participants,		
		award of premium, UNIT- 3 EASEMENTS&		
		ARBITRATION- Easement Rights –Definition,		
		characteristics of an easement, Natural Rights		
		,Various easement rights- Easement of support,		
		Easement of light and air, Easement of right of		
		way, Easement of eave projection, etc , UNIT- 4		
		TENDER & CONTRACT, UNIT- 5 VALUATION&		
Professional Practice		RENT.	2017	
Professional Training	A521			
		Students get the acquisition of knowledge, skills		https://web.mitsgwalior.in/images/Departments/archit
		and experience for operating under an expert in		ecture_planning/BOS/BOARD%20OF%20STUDIES%20M
		a particular field or area of specialisation.	2017	EETING%20July%202017.pdf

		Knowledge of different type of material and		https://web.mitsgwalior.in/images/Departments/electri
Electrical Engineering Material	BEEL301	their use in engineering application	2015	cal engineering/BoS/BoS 07.07.2017.pdf
- J		Knowledge of measurement technique for		https://web.mitsgwalior.in/images/Departments/electri
		electrical/electronic parameters , accuracy and		cal engineering/BoS/BoS 07.07.2017.pdf
Measurement & Instrumentation	BEEL302	need of calibration	2015	
		Capable of analyzing any given electric/		https://web.mitsgwalior.in/images/Departments/electri
		electroncis networks, concepts of transients and		cal engineering/BoS/BoS 07.07.2017.pdf
Network Analysis	BEEL303	unbalanced three phase supply	2015	
		Understand the principle, operation and		https://web.mitsgwalior.in/images/Departments/electri
		applications of diode, BJT, FET, amplifier etc to		cal engineering/BoS/BoS 07.07.2017.pdf
Analog Electronics	BEEL304	develop electronic circuit	2015	
		Knowledge of Electromagnetic fields to		https://web.mitsgwalior.in/images/Departments/electri
		understand working principle of various power		cal_engineering/BoS/BoS_07.07.2017.pdf
Electromagnetic Field Theory	BEEL305	apparatus & machine	2015	
		MATLAB programing/ Simulink		https://web.mitsgwalior.in/images/Departments/electri
Simulation Lab-I	BEEP306		2015	cal_engineering/BoS/BoS_07.07.2017.pdf
		Deep pondering of ideas regarding innovative		https://web.mitsgwalior.in/images/Departments/electri
Idea Generation	BEES307	solutions	2015	cal engineering/BoS/BoS 07.07.2017.pdf
		Write effectively for a variety of contexts and		https://web.mitsgwalior.in/images/Departments/electri
Communication Skills	BEEP308	audiences	2015	cal engineering/BoS/BoS 07.07.2017.pdf
Principle of Managemant &		Get aware towards varied management		https://web.mitsgwalior.in/images/Departments/electri
Economics	BEEL501	principles and practices	2015	cal engineering/BoS/BoS 07.07.2017.pdf
Elective Power Generation and		Understant the need of eneergy and generation		https://web.mitsgwalior.in/images/Departments/electri
Economy	BEEL502	and their economical analysis	2015	cal engineering/BoS/BoS 07.07.2017.pdf
		Understand the need of harnessing alternate		https://web.mitsgwalior.in/images/Departments/electri
Non-Conventional Energy Resources		energy resources, its chalanges and applications		cal_engineering/BoS/BoS_07.07.2017.pdf
challenges & its applications	BEEL503		2015	
		Understand the role of control engineer in multi		https://web.mitsgwalior.in/images/Departments/electri
		disciplinary teams through modelling, design		cal_engineering/BoS/BoS_07.07.2017.pdf
		and analysis of physical system, implications of		
Control System Design	BEEL504	system stability,	2015	
		Understand various types transmission &		https://web.mitsgwalior.in/images/Departments/electri
		distribution system, economic aspects of power		cal engineering/BoS/BoS 07.07.2017.pdf
		generation, analyse the performance of		
		transmission lines, distribution systems,		
Tansmission & Distribustion	BEEL505	insulators and cables.	2015	
		Develop basic concepts of ac machine, their		https://web.mitsgwalior.in/images/Departments/electri
		construtional details, working principle and		cal engineering/BoS/BoS 07.07.2017.pdf
Electrical Machines-II	BEEL506	characteristic based applications	2015	

		Simulation of electrical systems		https://web.mitsgwalior.in/images/Departments/electri
Simulation Lab-III	BEEP507	·	2015	cal engineering/BoS/BoS 07.07.2017.pdf
		Develop skills for self learning		https://web.mitsgwalior.in/images/Departments/electri
Self Study	BEES508		2015	cal engineering/BoS/BoS 07.07.2017.pdf
		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal engineering/BoS/BoS 07.07.2017.pdf
Seminar & Group Discussion	BEES509	and build teamwork.	2015	
		Overview of complete electric drive system		https://web.mitsgwalior.in/images/Departments/electri
		including the mechanical part, electric machine,		cal_engineering/BoS/BoS_07.07.2017.pdf
Electrical Drives	EEL701	power converters & control	2014	
		Understand the role of control engineer in multi		https://web.mitsgwalior.in/images/Departments/electri
		disciplinary teams through modelling and		cal_engineering/BoS/BoS_07.07.2017.pdf
		analysis of physical system, implications of		
Control System	EEL702	system stability	2014	
		Basic concepts of load flow studies, voltage		https://web.mitsgwalior.in/images/Departments/electri
		stabilty and its enhencement, AI applications in		cal engineering/BoS/BoS 07.07.2017.pdf
Computer Aided Power System	EEL703	power system	2014	
		Familiarize with high voltage generation and test		https://web.mitsgwalior.in/images/Departments/electri
High Voltage Engineering	EEL704 B	equipments	2014	cal engineering/BoS/BoS 07.07.2017.pdf
		Various terminology, rules & regulations, policy		https://web.mitsgwalior.in/images/Departments/electri
		of enegy audit, energy tarriff, economics &		cal engineering/BoS/BoS 07.07.2017.pdf
Energy Audit & Management	EEL705 A	analysis, enegy conservations	2014	
		Develop feel of the actual working environment		https://web.mitsgwalior.in/images/Departments/electri
		and to gain practical knowledge and skills		cal engineering/BoS/BoS 07.07.2017.pdf
Industrial Training	EET706		2014	
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
Major Project I	EED707	management and presentation spheres.	2014	cal_engineering/BoS/BoS_07.07.2017.pdf
		develop skills for self learning, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal_engineering/BoS/BoS_07.07.2017.pdf
Self Study/Seminar	EES708	and build teamwork.	2014	
		Apply mathamatics to complex real-world		https://web.mitsgwalior.in/images/Departments/electri
Mathematics-III	BEEL401	problems	2015	cal engineering/BoS/BoS 07.07.2017.pdf
		Develop basic concepts of dc machine and		https://web.mitsgwalior.in/images/Departments/electri
		transformer, their construtional details, working		cal engineering/BoS/BoS 07.07.2017.pdf
		principle and characteristic based applications		
Electrical Machines-I	BEEL402		2015	
		Basic idea about microprocessor & its		https://web.mitsgwalior.in/images/Departments/electri
Digital Electronics & Microprocessor	BEEL403	programming, munber system & codes	2015	cal engineering/BoS/BoS 07.07.2017.pdf

		Understand the role of control engineer in multi		https://web.mitsgwalior.in/images/Departments/electri
		disciplinary teams through modelling and		cal engineering/BoS/BoS 07.07.2017.pdf
		analysis of physical system, implications of		
Linear Control Systems	BEEL404	system stability	2015	
		Understanding fundamental characteristics of		https://web.mitsgwalior.in/images/Departments/electri
		Signals & Systems in both time & transform		cal engineering/BoS/BoS 07.07.2017.pdf
		domain. Also to develop mathematical skills to		
		solve problems involving convolution, filtering,		
Signals & Systems	BEEL405	modulation and sampling.	2015	
		Simulation of electrical systems		https://web.mitsgwalior.in/images/Departments/electri
Simulation Lab-II	BEES406		2015	cal_engineering/BoS/BoS_07.07.2017.pdf
		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal engineering/BoS/BoS 07.07.2017.pdf
GD/Seminar	BEES407	and build teamwork.	2015	
		helps to look at his own life critically and to		https://web.mitsgwalior.in/images/Departments/electri
Integrated Ethics & Aptitude	BEES408	evaluate his actions/choices/decisions	2015	cal engineering/BoS/BoS 07.07.2017.pdf
Computer Aided Design of Power		Understand design of electric machines,		https://web.mitsgwalior.in/images/Departments/electri
Apparatus & Machines	BEEL601	transformer etc.	2015	cal engineering/BoS/BoS 07.07.2017.pdf
		Develop basic concepts of special machiones,		https://web.mitsgwalior.in/images/Departments/electri
		their construtional details, working principle and		cal engineering/BoS/BoS 07.07.2017.pdf
Electrical Machines-III	BEEL602	characteristic based applications	2015	
		Understand the concepts, basic operation,		https://web.mitsgwalior.in/images/Departments/electri
		steady state operation of efficient switched-		cal_engineering/BoS/BoS_07.07.2017.pdf
		mode power conversion techniques, including		
Power Electronics	BEEL603	basic circuit operation	2015	
		Understand the interfacing of the external		https://web.mitsgwalior.in/images/Departments/electri
		devices to the processor according to the user		cal engineering/BoS/BoS 07.07.2017.pdf
Advanced Microprocssor &		requirements thus, enabling to create novel		
Interfacing	BEEL604	products and solutions for real time problems	2015	
		Understand the constructions and working		https://web.mitsgwalior.in/images/Departments/electri
		principle of different types of sensors and		cal engineering/BoS/BoS 07.07.2017.pdf
		transducers, instrument tranformer, magnetic		
Applied Instrumentation	BEEL605	measuremet, HV measurement etc	2015	
		explore the ways and means to perform power		https://web.mitsgwalior.in/images/Departments/electri
		system analysis in normal operation and under		cal_engineering/BoS/BoS_07.07.2017.pdf
		symmetrical and unsymmetrical faults		
Power System Analysis and control	BEEL606		2015	
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
Minor Project	BEEP607	management and presentation spheres.	2015	cal engineering/BoS/BoS 07.07.2017.pdf

		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal engineering/BoS/BoS 07.07.2017.pdf
Self Study	BEES608	andself learning	2015	
		Develop critical thinking skills, improve		https://web.mitsgwalior.in/images/Departments/electri
		communication skills, increase self-confidence,		cal engineering/BoS/BoS 07.07.2017.pdf
Seminar & Group Discussion	BEES609	and build teamwork.	2015	
		Explore to keep the power system stable by		https://web.mitsgwalior.in/images/Departments/electri
		isolating only the components that are under		cal engineering/BoS/BoS 07.07.2017.pdf
		fault, whilst leaving as much of the network as		
Switchgear & Protection	EEL801	possible in operation.	2014	
		Illustrate working principle of electric power		https://web.mitsgwalior.in/images/Departments/electri
Uilization of Electrical Energy	EEL802	utilization and their application in real life	2014	cal_engineering/BoS/BoS_07.07.2017.pdf
		focuses on imparting the principles of		https://web.mitsgwalior.in/images/Departments/electri
		measurement which includes the working		cal engineering/BoS/BoS 07.07.2017.pdf
		mechanism of various sensors and devices,		
Process Instrumentation	EEL803 A	transducers etc	2014	
		Familiarize with soft computing concepts i.e.		https://web.mitsgwalior.in/images/Departments/electri
Soft Computing Techniques	EEL804 A	idea of ANN, GA, Fuzzy etc.	2014	cal engineering/BoS/BoS 07.07.2017.pdf
		Develop learning in technical, project		https://web.mitsgwalior.in/images/Departments/electri
Major Project II	EED805	management and presentation spheres.	2014	cal engineering/BoS/BoS 07.07.2017.pdf
		Develop software skills and ability to design,		https://web.mitsgwalior.in/images/Departments/electri
		execute and operate circuit demonstrating their		cal_engineering/BoS/BoS_07.07.2017.pdf
Computer Simuation Lab	EEP806	different feature.	2014	
		Calculate stresses and deformations of objects		https://web.mitsgwalior.in/images/Departments/mech
Mechanics of Materials-I	BMEL-302	under external loadings		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2015	
		manage manufacturing processes and systems		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Process	BMEL-303	for the best use of material and human		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
		resources	2010	
		Study various laws of thermodynamics for		https://web.mitsgwalior.in/images/Departments/mech
Thermodynamics	BMEL-304	system analysis		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
Material Science	BMEL-305	structures and imperfections present in them		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
Machine Drawing Lab	BMEP-306	design engineering tools necessary for		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		engineering practice	2010	

		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
Machine Design-I	BMEL-401	design engineering tools necessary for		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		engineering practice	2010	
		develop fundamental knowledge on tool		https://web.mitsgwalior.in/images/Departments/mech
Metal Cutting and Machine Tools	BMEL-402	materials, cutting fluids and tool wear		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		mechanisms	2015	
		Apply fundamental of mechanics to machines		https://web.mitsgwalior.in/images/Departments/mech
Theory of Machine-I	BMEL-403	which include engines, linkages etc		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
		knowledge of fluid, its properties and behavior		https://web.mitsgwalior.in/images/Departments/mech
Fluid Mechanics	BMEL-404	under various conditions of internal and external		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		flows.	2015	
		Study of various cycles and their applications		https://web.mitsgwalior.in/images/Departments/mech
Thermal Engineering	BMEL-405			anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2010	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Simulation Lab –I	BMEP-406	and simulation software		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2015	
Metrology, Measurement and		Types of errors, design of limit gauges and		https://web.mitsgwalior.in/images/Departments/mech
Control	BMEL- 501	various comparative measurements		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
Control			2015	
		Concept of aerospace propulsion and different		https://web.mitsgwalior.in/images/Departments/mech
Aerospace propulsion	BMEL - 502	aspects related to them.		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2016	
		Modern materials and their behavior under		https://web.mitsgwalior.in/images/Departments/mech
Advance Mechanics of Materials	BMEL - 503	different load conditions.		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	BMEL - 504	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
		IC engine analysis at different conditions and		https://web.mitsgwalior.in/images/Departments/mech
Internal Combustion Engine	BMEL- 505	their impact		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
Machine Design-II	BMEL - 506	design engineering tools necessary for		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		engineering practice	2010	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Simulation Lab – II	BMEP - 507	and simulation software		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	

		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Study (Internal Assessment)		presentation and group discussion		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Sen stady (internal vissessiment)	5.0120	procession and group discussion	2015	<u> </u>
Comings 9 Crown Discussion		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar & Group Discussion	BMES - 509	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2017-18.pdf
(Internal Assessment)			2015	
Computer Integrated				https://web.mitsgwalior.in/images/Departments/mech
Manufacturing	BMEL- 602	To study smart machine which controlled by		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Manufacturing		computer for accuracy and automation	2017	
Operation Research & Supply		To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
Chain	BMEL- 604	different techniques, applications and		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Citalii		examples	2015	
		velocity triangles, thermodynamic plots and		https://web.mitsgwalior.in/images/Departments/mech
Turbo Machinery	BMEL- 605	losses in turbo machinery		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2010	
		Analysis of different machine under various load		https://web.mitsgwalior.in/images/Departments/mech
Dynamics of Machines	BMEL - 606	conditions.		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2015	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Minor Project	BMED -607	society/industries projects/problems		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2010	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Study (Internal Assessment)	BMES - 608	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
Seminar & Group Discussion		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
(Internal Assessment)	BMES - 609	presentation and group discussion	2015	anical engineering/NAAC/1.2.1 new/2017-18.pdf
,			2015	
		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
Machine Design-III	N451-704	design engineering tools necessary for	2010	anical engineering/NAAC/1.2.1 new/2017-18.pdf
	MEL701	engineering practice	2010	harman // mahamitan mahaman // Danasaharan harman h
Tunka Maakinam	NACI 700	velocity triangles, thermodynamic plots and		https://web.mitsgwalior.in/images/Departments/mech
Turbo Machinery	MEL702	losses in turbo machinery	2010	anical engineering/NAAC/1.2.1 new/2017-18.pdf
		Application of computers in various assects	2010	https://web.mitsgwalior.in/images/Departments/mech
Advanced Production Tech. &		Application of computers in various aspects		
	MEL703	manufacturing to reduce manual processing and		anical engineering/NAAC/1.2.1 new/2017-18.pdf
CAM		linking computers to all the manufacturing	2010	
		machines	2010	

Hart O Mars Transfer	NASI 704	comprehensive of physical science and its		https://web.mitsgwalior.in/images/Departments/mech
Heat & Mass Transfer	MEL704	fundamentals applicable to the engineering discipline	2010	anical engineering/NAAC/1.2.1 new/2017-18.pdf
Draduction & Operation &				https://web.mitsgwalior.in/images/Departments/mech
Production & Operation &	MEL705 (I)	Industrial operations, strategy, time		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Management		management	2017	
				https://web.mitsgwalior.in/images/Departments/mech
Non conventional energy sources	MEL705(II)	Use of alternative energy, performance and		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		future	2017	
				https://web.mitsgwalior.in/images/Departments/mech
Material & Handling	MEL705(III)	Industrial material handling problems and		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		solutions	2017	
Computer Integrated				https://web.mitsgwalior.in/images/Departments/mech
Computer Integrated	MEL705(IV)	To study smart machine which controlled by		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
Manufacturing		computer for accuracy and automation	2017	
				https://web.mitsgwalior.in/images/Departments/mech
	MEL705(V)	Design of different machine tools for		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
Machine Tool Technology		industrial aaplication	2017	
		Skill development using hands on practice		https://web.mitsgwalior.in/images/Departments/mech
Industrial Training	MET706			anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2010	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
Project-I	MED707	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
		Real-world mechanical vibration problems		https://web.mitsgwalior.in/images/Departments/mech
Vibration & Noise Control	MEL801			anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
		Different componenet of vehicle, their design		https://web.mitsgwalior.in/images/Departments/mech
Automobile Engg.	MEL802	and behavior		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
		Principles and different methods of refrigeration		https://web.mitsgwalior.in/images/Departments/mech
Refrigeration & Air- Conditioning	MEL803	and air conditioning		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
Emerging Technologies 9				https://web.mitsgwalior.in/images/Departments/mech
Emerging Technologies &	MEL804 (I)	Latest management technologies to make		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Management Techniques		process more economical and effective	2017	
				https://web.mitsgwalior.in/images/Departments/mech
	MEL804 (II)	To inspect product using SQC techniques to		anical engineering/NAAC/1.2.1 new/2017-18.pdf
SQC/SPC		avoid defective parts	2017	

		The Maintenance strategies and overall		https://web.mitsgwalior.in/images/Departments/mech
Maintenance Management	MEL804(IV)	configuration and Maintenance of Machines,		anical engineering/NAAC/1.2.1 new/2017-18.pdf
	, ,	structure and System.	2017	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
	MES805	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Seminar/Self Study			2015	
		Apply Engineering knowledge for		https://web.mitsgwalior.in/images/Departments/mech
	MED 806	society/industries projects/problems		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Project-II			2010	
		different classes of materials, their properties,		https://web.mitsgwalior.in/images/Departments/mech
Materials Science	BAUL-301	structures and imperfections present in them		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
		Material behavior at different load conditions		https://web.mitsgwalior.in/images/Departments/mech
Strength of Materials	BAUL-302			anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2015	
		manage manufacturing processes and systems		https://web.mitsgwalior.in/images/Departments/mech
Manufacturing Processes	BAUL-303	for the best use of material and human		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
		resources	2010	
		Study of different concepts of IC engine, body		https://web.mitsgwalior.in/images/Departments/mech
Automotive Engines	BAUL-304	and chessis details.		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2015	
Thermodynamics and thermal		Study various laws of thermodynamics for		https://web.mitsgwalior.in/images/Departments/mech
engineering	BAUL-305	system analysis		anical engineering/NAAC/1.2.1 new/2017-18.pdf
engineering			2015	
		ability to use the techniques, skills and modern		https://web.mitsgwalior.in/images/Departments/mech
Machine Drawing Lab	BAUP-306	design engineering tools necessary for		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		engineering practice	2010	
		Understand vehicle chassis structure and		https://web.mitsgwalior.in/images/Departments/mech
Automotive chassis	BAUL-402	components of transmission lines.		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
Kinematics and dynamics of		Machine parts behavior at different conditions		https://web.mitsgwalior.in/images/Departments/mech
machines	BAUL-403			anical engineering/NAAC/1.2.1 new/2017-18.pdf
inacimies			2015	
		knowledge of fluid, its properties and behavior		https://web.mitsgwalior.in/images/Departments/mech
Fluid Mechanics	BAUL-404	under various conditions of internal and external		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		flows.	2015	
Automotive electrical and		Develop skill of finding faults and rectification of		https://web.mitsgwalior.in/images/Departments/mech
electronic system	BAUL-405	ignition circuits and wiring.		anical engineering/NAAC/1.2.1 new/2017-18.pdf
electronic system			2015	

		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Simulation Lab	BAUP-406	and simulation software		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar/ Presentation/ GD	BAUS-407	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
Entrepreneurship &				https://web.mitsgwalior.in/images/Departments/mech
Management	BAUL - 501	Latest management technologies to make		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Wanagement		process more economical and effective	2015	
		Apply Engineering knowledge for the		https://web.mitsgwalior.in/images/Departments/mech
Industrial Engineering	BAUL - 502	betterment of their organization or society		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
Metrology, Measurement and		Types of errors, design of limit gauges and		https://web.mitsgwalior.in/images/Departments/mech
Control	BAUL - 503	various comparative measurements		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
Control			2015	
Operation Research and Supply		To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
Chain	BAUL - 504	different techniques, applications and		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
Chain		examples	2015	
		Concepts of stress analysis, theories of failure		https://web.mitsgwalior.in/images/Departments/mech
Automotive Component Design	BAUL - 505	and material science to analyze, design and/or		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
Automotive Component Design		select commonly used Automotive components.		
			2015	
		Develop the basic knowledge of the students in		https://web.mitsgwalior.in/images/Departments/mech
Automotive Transmission	BAUL- 506	mechanics, torque conversion area		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
		Hands on driving practice		https://web.mitsgwalior.in/images/Departments/mech
LMV Driving Practice	BAUP- 507			anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Study (Internal Assessment)	BAUS - 508	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
Seminar & Group Discussion		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
(Internal Assessment)	BAUS - 509	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2017-18.pdf
(internal Assessinent)			2015	
		The philosophy and core values of Total Quality		https://web.mitsgwalior.in/images/Departments/mech
TQM & SQC	BAUL - 602	Management		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2015	

		To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
Operations Management	BAUL - 603	different techniques, applications and		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		examples	2015	
Automotive Design & Assembly		Design and drawing of different vehicles under		https://web.mitsgwalior.in/images/Departments/mech
Automotive Design & Assembly	BAUL - 604	various load conditions		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Drawing			2015	
		Different standards of pollution and their control		https://web.mitsgwalior.in/images/Departments/mech
Fuels and Pollution Control	BAUL - 605			anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
Computer Integrated				https://web.mitsgwalior.in/images/Departments/mech
Manufacturing	BAUL- 606	To study smart machine which controlled by		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
Manufacturing		computer for accuracy and automation	2017	
		Hands in session for vehicle maintenance,		https://web.mitsgwalior.in/images/Departments/mech
Automotive Maintenance	BAUP- 607	Vehicle service procedure		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2015	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Self Study (Internal Assessment)	BAUS - 608	presentation and group discussion		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2015	
Seminar & Group Discussion		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
'	BAUS - 609	presentation and group discussion		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
(Internal Assessment)			2015	
Ontimination Tachniques In	560101	To optimizate machine/process with		https://web.mitsgwalior.in/images/Departments/mech
Optimization Techniques In		different techniques, applications and		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Mechanical Engineering		examples	2010	
late and a d Manufacturina C		Resource management using different		https://web.mitsgwalior.in/images/Departments/mech
Integrated Manufacturing &	560102	approaches		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Resources Planning			2010	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering- I	560103	for various materials		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
Duaduation 8 Operation				https://web.mitsgwalior.in/images/Departments/mech
Production & Operation	560104	Industrial operations, strategy, time		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Management		management	2017	
		Various techniques of work-study for improving		https://web.mitsgwalior.in/images/Departments/mech
	560105	the productivity of an organization.		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Ergonomics and Work Study		_	2010	
				https://web.mitsgwalior.in/images/Departments/mech
	560106	To manage activities with different		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Project Management		techniques and stretegy	2018	

		To check performance of different bearings,		https://web.mitsgwalior.in/images/Departments/mech
Reliability Availability and	560107	analysis of behavior and their relation at		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Maintainability		different vibration conditions.	2015	
·		Manufacturing aspects, management stretegies		https://web.mitsgwalior.in/images/Departments/mech
	560108	and their implementations		anical engineering/NAAC/1.2.1 new/2017-18.pdf
World-Class Manufacturing			2015	
		ability to make familiar with 2D, 3D modelling		https://web.mitsgwalior.in/images/Departments/mech
Simulation & Modeling LabI	560109	and simulation software		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
		Application of computers in various aspects		https://web.mitsgwalior.in/images/Departments/mech
	560201	manufacturing to reduce manual processing and		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
Automation & Robotics in	300201	linking computers to all the manufacturing		
Production		machines	2010	
		Manufacturing processes and their performance		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering-II	560203	for various materials		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
		The philosophy and core values of Total Quality		https://web.mitsgwalior.in/images/Departments/mech
Total Quality Management	560204	Management		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
				https://web.mitsgwalior.in/images/Departments/mech
	560205	Latest management technologies to make		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Engineering Estimation & Costing		process more economical and effective	2010	
		Study of different manufacturing techniques		https://web.mitsgwalior.in/images/Departments/mech
	560206	automation and control		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Flexible Manufacturing System			2015	
		Study of process using different aspects of		https://web.mitsgwalior.in/images/Departments/mech
	560207	engineering		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Concurrent Engineering			2010	
La sistina O Consulo Chain		Industrial logistics challeges and their different		https://web.mitsgwalior.in/images/Departments/mech
Logistics & Supply Chain	560208	solutions		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Management			2015	
		Hands on session for skill developments		https://web.mitsgwalior.in/images/Departments/mech
Computer Lab-I	560209		2012	anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab-II	560210	processes and machine tools	2012	anical_engineering/NAAC/1.2.1_new/2017-18.pdf
			2010	

		demonstrate the fundamentals of machining		https://web.mitsgwalior.in/images/Departments/mech
Production Engineering Lab. – I	560110	processes and machine tools		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2010	
Computer Integrated				https://web.mitsgwalior.in/images/Departments/mech
Computer Integrated	MPNL931`	To study smart machine which controlled by		anical engineering/NAAC/1.2.1 new/2017-18.pdf
Manufacturing		computer for accuracy and automation	2010	
		The Maintenance strategies and overall		https://web.mitsgwalior.in/images/Departments/mech
Maintenance Management	MPNL932	configuration and Maintenance of Machines ,		anical engineering/NAAC/1.2.1 new/2017-18.pdf
		structure and System.	2018	
		Skill development of self learning through		https://web.mitsgwalior.in/images/Departments/mech
Seminar	MPNS933	presentation and group discussion		anical engineering/NAAC/1.2.1 new/2017-18.pdf
			2015	
Dissertation Part – I (Literature		To develop product/ simulate/ experimentation		https://web.mitsgwalior.in/images/Departments/mech
review / Problem Formulation/	MPND934	using engineering knowledge to solve		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
Synopsis)		societal/industrial problems.	2010	
		To develop product/ simulate/ experimentation		https://web.mitsgwalior.in/images/Departments/mech
Dissertation Part-II	MPND941	using engineering knowledge to solve		anical_engineering/NAAC/1.2.1_new/2017-18.pdf
		societal/industrial problems.	2010	