Batch admitted 2022-2026 onwards

B.Tech. I Semester (Electronics and Telecommunication Engineering)

121 I		Subject Name Basic Electrical & Electronics Engineering Electronic Engineering	End Send Term Evaluation	Theory Sem. Sprofici ency in subject /course	Mid Sem. Exam.	Quiz/ Assignm ent	End Sem.	Lab Work & Sessional	Skill Based Mini Project	Total Marks	pe L	r weel	k P	Total Credits	Mode of Teaching	Mode of Exam.	of Exam
Coc	ode BSC	Basic Electrical & Electronics Engineering Electronic Engineering	End Term Evalua tion	SProfici ency in subject /course	Sem. Exam.	Assignm		Work &	Based Mini		L	Т	P	A STATE OF THE STA		of Exam.	
122 BS	BSC	Basic Electrical & Electronics Engineering Electronic Engineering	Term Evalua tion	ency in subject /course	Sem. Exam.	Assignm		Work &	Based Mini		L	Т	P	A STATE OF THE STA	Teaching	Exam.	The state of the s
121 I	BSC	Electronics Engineering Electronic Engineering	Evalua tion	subject /course	Exam.		Sem.	Charles of the State of the Sta			L	Т	Р		407		The state of
121 I		Electronics Engineering Electronic Engineering	tion 50	/course		ent		Sessional	Project						307	* **	Gray Was
121 I		Electronics Engineering Electronic Engineering		10	20												
	DC	Engineering Electronic Engineering		10	20										Blended	1000	1.5 Hrs
	DC					20	60	20	20	200	2	1	2	4.		MCQ	in dig
		Material	50	10	20	20	-	-		100	3		•	2:3	Blended	PP	2 Hrs
122	DC	Electronic Devices	50	10	20	20	-	-		100	2	ì		3/	Blended	PP	2 Hrs
0123	DC	Network Theory	50	10	20	20	-		-	100	2	1	-		Blended	PP	2 Hrs
0122	ESC	Computer	50	10	20	20	60	20	20	200	2	1	2	4 4 .	Blended	AO	2 Hrs
00124	DLC		-	-	-	-	60	20	20	100	-		4	2.1	Offline	AO	2 Hrs
	-		250	50	100	100	180	60	60	800	11	4	8	19	(A)		
	Natu	ural Engineering es and Chemistry	50	10	20	20	-	-	10	-	1	-	2			MCQ	1.5 Hrs
JO 1	002	02 Nati	Network Lab Total OZ Natural Engineering Sciences and Chemistry	Network Lab Total 250 Natural Engineering Sciences and Chemistry 50	Network Lab Total 250 50 Natural Engineering Sciences and Chemistry 50 10	Network Lab 250 50 100	Network Lab	Network Lab 250 50 100 180 180 102 Natural Engineering Sciences and Chemistry 50 10 20 20 -	Network Lab 250 50 100 100 180 60	Network Lab 250 50 100 100 180 60 60	Network Lab 250 50 100 100 180 60 60 800	Network Lab 250 50 100 100 180 60 60 800 11	Network Lab 250 50 100 180 60 60 800 11 4	Network Lab 250 50 100 100 180 60 60 800 11 4 8	Network Lab 250 50 100 100 180 60 60 800 11 4 8 10 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	Total Engineering Sciences and Chemistry 50 10 20 20 - 10 - 1 - 2 GRADE Blended	Total Engineering Co 10 20 20 100 1 4 8 10 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100

Familiarization to Dept./Branch & Innovations. Proficiency in course/subject - includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular

course/subject Natural Sciences& Skills, Lugineering Physics, Engineering Chemistry, Environmental Science, Language

MCQ: Multiple Choice Question

with wait he added in the Al Semest. AO: Assignment + Oral

OB: Open Book

PP

-9

47.36%

PP: Pen Paper SO: Submission + Oral

Theory

A+0

31.57%

DEAN (ACADEMICS) M.I.T.S **GWALIOR**

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A CHAN		heory	政府设置的第二一	4 7	
S	- S. W.	BI BI	ended -		Offline
Offline	Online	Offline	Onlin	e	at about trace
	-0	10	0 24 45	1. 1500-3	1. 8-
0% ^	10%	52.63%	726.31	%	42:109
	1 1000	/ 1 .	0-		
1/0	, 1	Sush	- r		

MCQ

4

21.05%

Mode of Examination

Total Credits

Lab

SO

Department of Flectronics Engineering

MITS Gwalior

Batch admitted 2022-2026 onwards

B. Tech. II Semester (Electronics and Telecommunication Engineering)

	T					Maxin	num Marks	Allotted	-			1331550000	act H					
					Theory	Slot			Practical SI	ot		pe	er wee	k				
S. No.	Subject Code	Category Code	Subject Name	End End Term Evalu ation	Sem. Sem. Profici ency in subject /course	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work & Sessional	Skill Based Mini Project	Total Marks	L	т	P	Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam
1.	2100011	BSC	Engineering Mathematics –I	50	10	20	20		1 (-1)	- (<u>-</u>	100	3	1	-	4	Offline	PΡ	2 Hrs
2.	2200221	DC	Digital Circuits &Systems	50	10	20	20	60	20	20	200	2	,1,	2	. 4	Blended	PP.	2 Hrs
3.	2200222	DC	Electronics Circuits	50	10	20	20	60	20	20	200	2,	1	2	4		PP	2 Hrs
-	2200223	DC,	Signals and	50	10	20	20	-	-	-	100	2	ı	-	3	Blended	PP	
5.	2200224	DC	Systems Python	50	10	20	20	60	20	20	200	2	1	2	4 ,	Blended	AO	1.5 Hrs
3.	1	Total	Programming	250	50	100	100	180	60	60	800	11	5	6	19			1,5 Hrs
6	300000		es Physics	50	10 ′	20	20	9 90	1	18.0	(11.8)	1	**************************************	2	GRADE	Blended	MCQ	

Summer Internship Project - I (Institute Level) (Qualifier): Minimum two-week duration: Evaluation in III Semester.

Proficiency in course/subject includes the weightage towards ability/skill/competency/knowledge level/expertise attained etc. in that particular course/subject

Natural Sciences& Skills: Engineering Physics / Engineering Chemistry / Environmental Science 1 anguage

Credits of Natural Science A Stall, out by added in the VI Semester

OB: Open Book PP: Pen Paper SO: Submission + Oral (O: Assignment + Oral MCQ: Multiple Choice Question

EAN (ACADEMICS) MJ.T.S GWALLOR

		1ode of Teach	ing	No. of the last of		Mode of E	camination		lotal
		heory	To continue hour	Lab		Theory	The second second	Lab	(redits
April 1905	and the same of th		nded	Offline	PP	A+0	MCQ	so	
Offine	Online	Offline	Online	Olline	729		0	0	19
440	0	8	4	6	15	4	0%	0%	
4	004	42 10%	21.05%	31.57%	78.94%	21.05%	070		1

Department of Electronics Engineering MITS Gwalior -

Shorme God 2023/6/16-14

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Department of Electronics Engineering

Scheme of Examination (For Batch admitted in Year 2022-23)

B.Tech. (Electronics & Telecommunication Engineering) III Semester [For batches admitted in Academic Session 2022-23 onwards]

S.	ubject Code	Category	Subject Name			Maximum	Marks Allotte	d						lours			
No.		Code			Theory Sl	ot			Practical Slo	ot		pe	er we	ek		Mode of	
				En	d Sem.	Mid	Quiz/	End	Lab Work	Skill	Total	L	T	P	Total	Teaching	Mode of
				End Term Evaluation	^{\$} Proficiency in subject /course	Sem. Exam.	Assignment	Sem	& Sessional	Based Mini Project	Marks				Credits	(Offline/ Online)	Exam.
1.	21000025	BSC	Engg Mathematics-II	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP
2.	2200320	DC	Analog Communication	50	10	20	20	60	20	20	200	2	1	2	4	Offline	PP
3.	2200322	DC	Analog Integrated Circuits	50	10	20	20	60	20	20	200	2	1	2	4	Offline	PP
4.	2200323	DC	Communication Networks	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP
5.	2200324	DC	Data Communication	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP
6.	2200321	DLC	Hardware Lab	-	-	-	-	60	20	20	100	-	- 1	2	1	Offline	SO
7.	2200316	DLC	Self-learning/ Presentation [#]	-	-	-	-	-	40	-	40	-	-	2	1	Online +Mentoring	SO
8.		CLC	Novel Engaging Course	-	-	-		50	-	-	50	-	1	2	1	Interactive	SO
9.	2200317	DLC	Summer Internship Project–I (Institute LevelEvaluation)	-	-	-	-	60	-	-	60	-	ı	4	2	Offline	SO
		Total		250	50	100	100	290	100	60	950	10	5	14	22		
10.	3000003	Natural Science & Skill	Environmental Engineering	50	10	20	20	-	-	-	100	2	1	-	Grade	Online	MCQ
11	1000001	MAC	Indian Constitution and Traditional Knowledge	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ

Proficiency in course/subject - includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained /attendance etc. in that particular course/subject

'compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance, assignments and presentation

		Mode	of Teachin	ıg			N	Mode of Ex	aminatio	n	
	The	eory		Lab	NEC		Theory		Lab	SIP/ SLP/ NEC	Total Credits
Offline	Online	Bler	ıded	Offline	Interactive	PP	A+O	MCO	SO	so	Total Credits
Offine	Omne	Offline	Online	Offinie	mieractive	FF	A+O	MCQ	30	80	
17	0	0	0	4	1	17	0	0	2	3	22
77.27%	0	0	0	18.1%	4.54%	4.54% 77.27% 0% 0% 9		9.09%	13.63%	Credits %	

(A Govt. Aided UGC Autonomous Institute, Affiliated to RGPV, Bhopal (M.P.) India)

NAAC Accredited with A++ Grade

Scheme of Evaluation

B. Tech IV Semester (Electronics Engineering) (for batch admitted in academic session 2022-23)

						Maximu	ım Marks All	otted				C	onta	ct				
					Theor	y Slot			Practical S	Slot			urs j week	_				
S. No.	Subject Code	Category Code	Subject Name		nd Term aluation		ntinuous aluation	End Sem.	Contin Evalu Lab		Total Marks	L	T	P	Total Credits	Mode of Teaching	Mode of Exam	Duration of Exam
				End Sem. Exam	\$Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment	Exam	Work & Sessional	Based Mini Project		L	Т	P				
1.	2100003	BSC	Engineering Mathematics- III	50	10	20	20	-	-	1	100	3	1	-	4	Blended	PP	2 Hrs
2.	2140411	DC	Digital Communication	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
3.	2140412	DC	Linear Control Theory	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
4.	2140413	DC	Microprocessor & Interfacing	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP	2 Hrs
5	2140414	DLC	Software Lab (Introduction to MATLAB)	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO	-
5.	2140415	DC	Cyber Security	50	10	20	20	-	-	-	100	2	-	-	2	Blended	MCQ	1.5 Hrs
6.	200xxx	CLC	Novel Engaging Course (Informal Learning)	-	-	-		50	-	-	50	-	-	2	1	Interactive	SO	-
			Fotal	250	50	100	100	230	60	60	850	12	4	8	20	-	-	-
7.	3000004	Natural Sciences & Skills	Language	50	10	20	20	-	-	-	100	1	-	-	Grade	Blended	MCQ	1.5 Hrs
8.	1000005	MAC	Project Management & Financing	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ	1.5 Hrs
			Summer Internship Projec	t – II (<mark>In</mark>	stitute Level)	(Qualific	er): Minimun	ı two-v	veek durat	ion: Evalu	ıation in	VS	eme	ster	•			

\$Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject.

Credits of Natural Sciences & Skills will be added in the VI Semester.

		Mode of Teachi	ng			Mode of Ex	xamination		
	T	heory		Lab		Theory		Lab	Total Credits
Offline	Online	Bler Offline	nded Online	Offline	PP	AO	MCQ	so	Total Credits
-	-	12	6	2	2 15 -		3	2	20
-	-	60.00%	30.00%	10.00%	75.00%	-	15.00%	10.00%	100%

(Deemed to be University)
(Declared Under Distinct Category by Ministry of Education, Government of India)

NAAC Accredited with A++ Grade

Scheme of Examination (For the Batch Admitted in the Year 2022-2023)

B.Tech. (Electronics Engineering) V Semester [For batches admitted in Academic Session 2022-23 onwards]

Categor | Subject Name | Maximum Marks Allotted | Contact |

S.	ubject Code	Categor	Subject Name	8			Marks Allo		-				onta			, ,	
No.	_	y Code			Theory Sl	lot			Practical	Slot			urs				
				Fud	Sem.	Mid	Quiz/	En	Lab	Skill	Total	L	weel T	P	Total	Mode of	Mode
				Ena	\$Proficiency	Sem.	Assignme	en d	Work	Based	Marks	L	1	r	Credits	Teaching (Offline/	of
				End Term	in subject	Exam.	nt	Se	&	Mini					011111	Online)	Exam.
				Evaluation	/course			m	Session al	Project							
1.	2140511	DC	Data Science	50	10	20	20	60	20	20	200	3	-	2	4	Blended	MCQ
	2140512	DC	Mobile									2	1	-	3	Blended	
2.			Communication	50	10	20	20	-	-	-	100						PP
	2110717	D.C.	& 5G Network									3				DI 1 1	
3.	2140515	DC	VLSI Design	50	10	20	20	60	20	20	200	- 5	-	2	4	Blended	PP
4.	2140519	DC	Electromagnetic Theory	50	10	20	20	1	ı	-	100	2	1	•	3	Blended	PP
5.	2140520	DC	Digital Signal Processing	50	10	20	20	-	ı	-	100	2	1	-	3	Blended	PP
6.	2140516	DLC	Minor Project-I	-	i	-	-	60	40	-	100	-	-	4	2	Offline	SO
7.	2140517	DLC	Self-learning/ Presentation	-	-	-	-	-	40	-	40	-	-	2	1	Online +Mentoring	SO
8.		CLC	Novel Engaging Course	-	-	ı	-	50	-	-	50	-	-	2	1	Interactive	SO
9.	2140518	DLC	Soft Skill Internship (Institute Level Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO
		Total		250	50	100	100	290	120	40	950	11	4	16	23		
	Additional	Courses for	obtaining Honors/Mino	r Specialization	by desirous stude	ents	Permi	tted to o	pt for <u>maxin</u>	num two additi	ional courses for	al courses for the award of Honours or Minor specialization					
		*(n for one onli	ne course using	SWAYAN	M/NPTEL/	MOOC	, evaluation	ı through atto	endance, assignments and presentation						
10	1000006	MAC	Disaster Management	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ
	Honors		inciples and Technique ochastic Control & Con	adar Systems	1 2			eling using V esign	Verilog					Science and Devices to C	d Application Circuits		
	Minors		Contro	ol System						Fundamen	tal of Wireless						

Department of Electronics Engineering May 2024

(Deemed University)

(Declared Under Distinct Category by Ministry of Education, Government of India)

NAAC Accredited with A++ Grade

Scheme of Evaluation B. Tech. VI Semester (Electronics Engineering)

													(for batch	r aan	uttea	ı ın a	caaemic	session 20	
ļ	Subject	Categ	Subject Name				Maximu	m Mar	ks Allotte	d			Total	C	onta	ct	Total	Mode of	55 Mode
No.	Code	ory Code			Theo	ory Slot			Practical	Slot	МО	OCs	Marks		urs j week		Credits	Teaching	of Exam.
					Term uation		nuous ıation	End Sem.		inuous uation	Assign ment	Exam		L	Т	P			
				End	\$Proficie	Mid	Quiz/	Exam.	Lab	Skill]				İ				
				Sem. Exam.	ncy in subject	Sem. Exam.	Assign ment		work & Sessiona	Based Mini									
				LAGIII.	/course	L'Adiii.	ment		1	Project									
1.	2140616	DC	Microcontroller Systems and Applications	50	10	20	20	60	20	20	-	-	200	3	-	2	4	Blended	PP
2.	140XXX	DE	Departmental Elective* (DE-1)	-	-	=	-	-	-	-	25	75	100	3	-	-	3	Blended	PP
3.	900XXX	OC	Open Category (OC-1)**	50	10	20	20	-	-	-	-	-	100	3	-	-	3	Blended	PP
4.	2140617	MC	Artificial Intelligence & Machine Learning	50	10	20	20	60	20	20	-	-	200	3	-	2	4	Blended	MCQ
5.	2140618	DLC	Minor Project-II#	-	-	-	-	60	40	-	-	-	100	-	-	6	3	Offline	SO
6.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	-	-	50	-	-	2	1	Blended	SO
7		NSS	Natural Sciences & Skills##	200	40	80	80	120	40	40	-	-	600	1	-	2	2*		
			Total	350	70	140	140	350	120	80	25	75	1350	13	-	14	20	-	-
8.	1000007	MAC	Intellectual Property Rights (IPR)	50	10	20	20	-	-	-	-	-	100	2	-	-	GRADE	Online	MCQ
		•		Summer I	nternship-I	II (On Job 1				n: Evaluation i			•						
	Addition	al Course	for Honours or minor Specialization				Permitted t	o opt for	maximum t	wo additional o	courses for	the award	of Honours	or Mi	inor s	pecial	ization		

^{##}Natural Sciences & skills; Engineering Physics / Engineering Chemistry / Environmental Science/ Language

^{*}This course run through SWAYAM/NPTEL/ MOOC platform

1	DE-1 (SWAYAM/NPTEL/ MOOC platform)	**Open Category	(OC-1)(For students of other branches)
140665	Electromagnetic Waves in Guided and Wireless Media	900116	Embedded Systems
140662	Digital IC Design	900117	Intelligent Control
140663	Fuzzy sets, logic and System & Applications		

(for batch admitted in academic session 2022 23)

^{(&}quot;Natural Sciences & skills; treated as Mandatory Audit Courses from first to fourth semester and cumulative marks converted as a cluster of credits and awarded in the VI semester)

^Sproficiency in course/subject-includes the weightage towards ability/skill/competence/knowledge level/ expertise attained etc. in that particular course/subject.

SSMCQ: Multiple Choice Question

SSAO: Assignment + Oral

SSPP: Pen Paper

SSO: Submission + Oral

SSMCQ: Multiple Choice Question
SSAO: Assignment + Oral
*Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform with credit transfer

^{**} Course run in traditional mode #The minor project-II may be evaluated by an internal committee for awarding sessional marks.