MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Summer Internship Programme 2018

For I Yearunder Graduate Students

(28th May -14th June 2018)

ABOUT SUMMER INTERNSHIP PROGRAMEE

The rise in global competition has prompted organizations to devise strategies to have a talented and Innovative work force to gain a competitive edge. Developing an internship policy by **All India Council for Technical Education (AICTE)** is an impactful strategy for creating a future talent pool for the industry. The Internship program not only helps fresh pass-outs in gaining professional know-how but also benefits, corporate on fresh perspectives on business issues and even discovering future business leaders.

To improve the standards of technical education so as to provide competent technical manpower for the nation and to improve the employability of future graduates by imparting required skills and making them industry ready, it has been decided by All India Council of Technical Education, New Delhi, the apex body of technical education in the country, to introduce internship for students admitted in the session 2017-18.

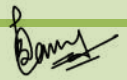
MITS-SUMMER INTERNSHIP PROGRAMME

When it comes to the overall development of students, **Madhav Institute of Technology & Science**leaves no stone unturned. As per AICTE Mandate, Institute was organized Summer Internship Programme 2018 for First Year Under Graduate students during 28th May - 14th June 2018. In all **Forty Two Modules**were offered by different departments to trained all students in the module of their choice.

OBJECTIVE OF SUMMER INTERNSHIP PROGRAMME

Internships are educational and career development opportunities, providing practical experience in a field or discipline. They are structured, short-term, supervised placements often focused around particular tasks or projects with defined timescales. An internship may be compensated, non-compensated or some time may be paid. The internship has to be meaningful and mutually beneficial to the intern and the organization. It is important that the objectives and the activities of the internship program are clearly defined and understood. Following are the intended objectives of internship training:

- Expose Technical students to the industrial environment, which cannot be simulated in the classroom and hence creating competent professionals in the industry.
- Provide possible opportunities to learn, understand and sharpen the real time technical managerial skills required at the job
- Get exposed to the current technological developments relevant to the subject area of training.
- Use the experience gained from the 'Industrial Internship' in discussions held in the classrooms
- Create conditions conducive to quest for knowledge and its applicability on the job.
- Learn to apply the Technical knowledge in real industrial situations.
- Gain experience in writing reports in Technical works/projects.
- Expose students to the engineer's responsibilities and ethics.



Prof.Praveen Bansal
Assistant Professor
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- Familiarize with various materials, processes, products and their applications along with relevant aspects of quality control
- Promote academic, career and/or personal development.
- Expose the students to future employers.
- Make students available to industry for employment
- Understand the psychology of the workers and their habits, attitudes and approach to problem solving.
- Understand the social, economic and administrative considerations that influence the working environment of industrial organizations

BENEFITS TO STUDENTS

- An opportunity to get hired by the Industry/ organization
- Practical experience in an organizational setting
- Excellent opportunity to see how the theoretical aspects learned in classes are integrated into the practical world. On-floor experience provides much more professional experience which is often worth more than classroom teaching.
- Helps them decide if the industry and the profession is the best career option to pursue.
- Opportunity to learn new skills and supplement knowledge.
- Opportunity to practice communication and teamwork skills.
- Opportunity to learn strategies like time management, multi-tasking etc in an industrial setup.
- Opportunity to meet new people and practice their networking skills.

- Makes a valuable addition to their resume.
- Enhances their candidacy for higher education.
- Opens the door to a job offer or an employment recommendation.
- Creating network and social circle and developing relationships with industry people.
- Provides opportunity to evaluate the organization before committing to a full time position.

MODULES OFFERED

Module Number	Faculty Coordinator	Module Coordinator	Module Name	Brief Description
Module-1	Prof.KuldeepSwarnkar Electrical Engg. Deptt.	Prof.PraveenBansal & Prof.PunjanDohare	Designing and modeling of Electrical Components	Hands on training to design different loading arrangements, types of wiring, constructional view of measuring components, types of winding in AC and DC machines, prototype modeling of free energy , DC generators, domestic switch board and their wiring connections, series board , Inverter wiring, cable sizing etc.
Module-2		Dr.ModemSudhakar	Designing and modeling of Electronics Components	Verify network concepts of Kirchhoff's Current & Voltage Law, design prototype model of Half wave and full wave rectifier circuits, Design of dual polarity DC power supply and theorems using bread board, Design logic gates and verify concepts in breadboard and Verification of addition, subtraction, multiplication, half adder and full adder using bread board and programming of addition, subtraction and

				division problem in hexadecimal numbers.
Module-3		Prof.KuldeepSwarnkar	Introduction to MATLAB programming for Engineering applications	Introduction to MATLAB working with special matrices and toolboxes. Variables, arrays, conditional statements, loops, functions and plots will be discussed.
Module-4		Prof.VishalChaudhary	Electricity usage for Domestic and Industrial application	Construction features of tube light, bulb, ceiling fan, cooler etc. their operation and load calculation, Basics of generation, transmission , distribution, different voltage levels, types of AC and DC distribution, Power generation capacity in INDIA and abroad & its geographical distribution, Domestic and Industrial load calculation and read electricity bill and tariff calculation
Module-5	Prof. Anil K.Dwivedi Civil Engg. Deptt.	Prof.NupurVerma	Working Model of Water Harvesting System	Knowledge of water resources and its management strategies, Different methods and schemes which are followed, their applications and guidelines
Module-6		Prof.Shivam Gupta	Surveying using Total Station and Conventional methods	Various methods of Plain table survey & leveling, drawing & reading of map
Module-7		Prof.Shivendra Singh Kushwah	Civil Engineering Structures Model Making	Design of different structures, their applications and safety measures. Students will learn about different types of loads acting on structures like Bridges, trusses, & Culvert
Module-8		Prof.Pratibha Singh	Building Elements- Model Making	Design of different building elements like Brick bonds, walls and foundations, their applications and safety measures. Students will also learn about different types of loads acting on buildings.
Module-9	Dr.AmitAhirwar &	Dr.AmitAhirwar	Conventional machine	The students will have to go through the various Conventional Machines and understand its different components and

	Prof.VaibhavShivhare Mechanical Engg. Deptt.			then perform various operations on the same
Module-10		Prof.VaibhavShivhare	Dismantling & assembling of two strokes &four Stroke Engine.	Hands on experience of dismantling and assembling of two stroke and four stroke engine. Practical session with theory classes will be arranged for the awareness of advance automotive technologies being used.
Module-11		Dr.Dharmendra Jain	Repair and maintenance of a vehicle.	Hands on experience of repair and maintenance of vehicle, along with the practical session some theory classes will also be arranged for the awareness of basics of automotive technologies being used.
Module-12		Prof.UtkarshSrivastava	Introduction to Auto CAD for Engineering Applications	The students will be introduced to the principles and practices of Computer-aided Drafting.
Module-13		Prof.Ajay Rajput	Mechanical Testing and Measurement	Performance of different mechanical tests on materials such as Tensile Test, Impact Testing, Hardness Testing, and Fatigue Test etc. The students will have to go through the various engineering measuring Instruments and understand its applications
Module-14		Prof.Shubhas Pal	Metrology and Measuring Instruments Practices	Various Engineering Measuring Instruments and understand its applications
Module-15	Prof.Madhav Singh Electronics Engg.Deptt.	Dr.SarthakSinghal	TV &Motherboard	Hands on training on TV & Motherboard.
Module-16		Dr.VikasMahor	PCB Designing & Circuit Wizard	To provide hands-on experience in PCB Circuit design using software and to familiarize with PCB Fabrication process. To provide hands on experience in assembly and Testing of electronics circuit
Module-17		Dr.Ashis Gupta	Matlab	Hands on training on MATLAB include writing of code in MATLAB as well as designing of circuit on Simulink
Module-18		Prof.Awadesh Gupta	Digital Circuit Design	To provide hands-on experience in Digital Circuit design using bread-board. To provide hands-on experience in assembly and testing of digital circuits

Module-19		Prof.RishabShukla	Electrical Circuit Design Using LT-Spice	To provide hands-on experience in Electrical Circuit design using bread-board. To provide experience in assembly and testing of Electrical circuits
Module-20		Dr.RahulDubey	O.S. Installation & Networking	To provide hands-on experience in OS installation&in Networking.
Module-21	Prof.VikasSejwar & Prof.Abhilash Sonkar CSE & IT Deptt.	Prof.MaheshParmar	Android Application Development	Build and deploy Android application. Understand the operation of the application, application lifecycle, configuration files, intents, and activities. Understanding of the UI - components, layouts, event handling, and screen orientation.
Module-22		Prof.DheerajGurjar	Computer Hardware & Networking	Demonstration of operating system installation and hardware configuration. Demonstration of networking devices and IP addressing for communication and connection of internet. Simulation and study of network using different networking tools
Module-23		Prof.AbhilashSonker	Google Services	Managing, Sharing, Analyzing, Distribution of data using various Google services
Module-24		Prof.VikasSejwar	Microprocessor & Interfacing Techniques	To interpret, analyze, verify and troubleshoot microprocessor circuits and interfacing using appropriate techniques and test equipment.
Module-25		Prof.Sheo Kumar	Problem Solving Through Programming	Computer programmers write code to create software programs. They turn the program designs created by software developers and engineers into instructions that a computer can follow. Programmers must debug the programs that are, test them to ensure that they produce the expected results.
Module-26		Prof.AmitManjhvar	User Interface Design	Create website layout/user interface by using standard HTML/CSS/Java Script practices, maintaining, expanding, and

				scaling our site. Cooperate with web designers to match visual design intent
Module-27	Prof.Sumint S Trivedia Chemical Engg. Deptt.	Prof.S.R	Application of measuring devices in chemical process industries	Basics of fluid systems and fluid measuring devices used in chemical industries. The laboratory experiment helps to solve the problem related to measurement of raw materials used in chemical Industries
Module-28		Dr.Shailendra Kumar Pandey	Utility of Heat transfer in process industry	Fundamentals of heat transfer and working of equipment's for Industrial process. Types of heat transfer process. Theory and working of heat transfer equipment such as heat exchangers and condensers
Module-29	Dr.Sunita Sharma Biotech Department:	Dr.PragyanRanjan Rout	Bio-monitoring of water quality	Investigation of physical, chemical and biological water quality from the installed water coolers inside the MITS campus, to serve as a first attempt in observing water quality dispensed from such sources. Results will be compared to established drinking water standards and guidelines to trace compliance
Module-30	Dr.D.K.Jain Applied Science Deptt.	Dr.UdayPratap Singh	Optimization Techniques	The History, Nature & Significance of Operations Research, Models & Modeling in Operations Research & General methods of solving these Models, Applications & Scope of Operations Research.
Module-31		Dr.Gargi Mukherjee	Production of Soaps	Hands on experience in preparation of products used in daily life. Students will gain knowledge in small scale synthetic techniques and simple estimation procedures that will help them to develop an analytical mind.
Module-32		Dr.Prachi Sharma	3-D Scientific Photography	LASER system and its applications. Practical realization of working with He-Ne LASER.

				Student will be able to express the working and formation of a Hologram with the help of He-Ne LASER.
Module-33	Prof.ParulSaxena MCA Deptt.	Prof.RamPathak	Web Designing	Basics of designing web applications - programming useful and dynamic web pages that allow users to interact
Module-34		Dr.AnshuChaturvedi	Graphic Design	Graphic design is the creative planning and execution of visual communication. Combination of shapes and forms, words and images, in order to reproduce them in some flat medium (two dimensional - paper, cardboard, cloth, plastic, video, computer, or projection screen, on poster, billboard, or other signage) or in a 3-D form (fabricated or manufactured)
Module-35		Prof.ParulSaxena	Animation Creation	Visual effects with latest technologies, television, films and advertising industry all have an insatiable demand for animations and special effects. India is emerging in the field of "Animation" and would create a huge employment opportunities
Module-36	Dr.SanjeevKhanna Humanities	Prof.BhawnaShey	Visual Arts and Culture	The course will consist of three workshops of five days each. First workshop will deal with 'still paintings' as the seminal point of introduction to visual arts .It will include looking closely at major paintings post-renaissance and their categorizations as they influence society at large. Second workshop will then move on to Photography as a 'new visual art. In addition through photography, the module will build connecting bridges between art and technology. The Third and final workshop will them move on to a wider and

				more expansive field of Cinema
Module-37		Prof.SufiaAzam	Listening & Speaking	First workshop will deal with listening to English Language through audio video aids available in language Laboratory. Exercises from Cambridge English Resources will be adapted for practise.Exercises for looking for a word in dictionary will be carried out.Second workshop will have Speaking skill as main topic and one exercise Group Discussion or debates will be dealt with in detail.
Module-38		Prof.UmeshGuramwar	Reading & Writing	First workshop will deal with the writing skills therein paragraph writing and letter writing will be some salient parts of discussion. The teacher taking the class will provide some reading paragraphs and carry out exercises aimed to comprehend the same. These exercises will be from IELTS/TOEFL/GRE examination pattern. Second workshop will have reading skill as main topic where different reading strategies and techniques will be dealt in detail.
Module-39	Prof.Prabhkar Sharma EDC	Dr.Prabhakar Singh Bhadouria	Entrepreneurship Awareness Programme	Introduction of Entrepreneurship ;Objectives and Scope of Entrepreneurship; Types of Industries; Forms of Business Ownership; Role of Management; Sources of Finance; Role of Govt. Department/Agencies; Taxation and Documentation; Sales & Marketing; Industry Standards; Selection of Business & DPR
Module-40		Mr.AkshatAgrawal	Computer Fundamentals with Web Concepts	Introduction to Computers – Von Neumann Architecture; Hardware Components of a Computer System; Software Concepts: System and Application Software; Operating System Concepts – Windows Installation and Un-installation of Software's; Microsoft Office

				2007; Internet Concepts – Client Server Paradigm; Hyper Text Mark Up Language Concepts; Hyper Text Mark Up Language Concepts; World Wide Web Concepts
Module-41		Er.Satish Sharma	Basics of Refrigeration and Air Conditioning (RAC)	Introduction to Refrigeration ;Basics of Electricity and Electronics; Air Conditioning System; Refrigeration & Air Conditioning Machines; Components of RAC Machines - Compressor; Components of RAC Machines – Condenser; Components of RAC Machines - Evaporator; Components of RAC Machines – Expansion Valves; Refrigerants; Service Tools for RAC;RAC Safety Methods; Identifying the problem in RAC Machines; Servicing of RAC Machines
Module-42	Dr.Sanjay Singh Jadon Architechure	Dr.Sanjay Singh Jadon	Development of Working drawing with the help of Measurement drawing	The student develops the ability & confidence to utilize architectural terms and symbols; application construction materials and processes, produces a set of drawings to include a site plan, floor plans, sections, elevations, schedules, and details.

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Assistant Professor
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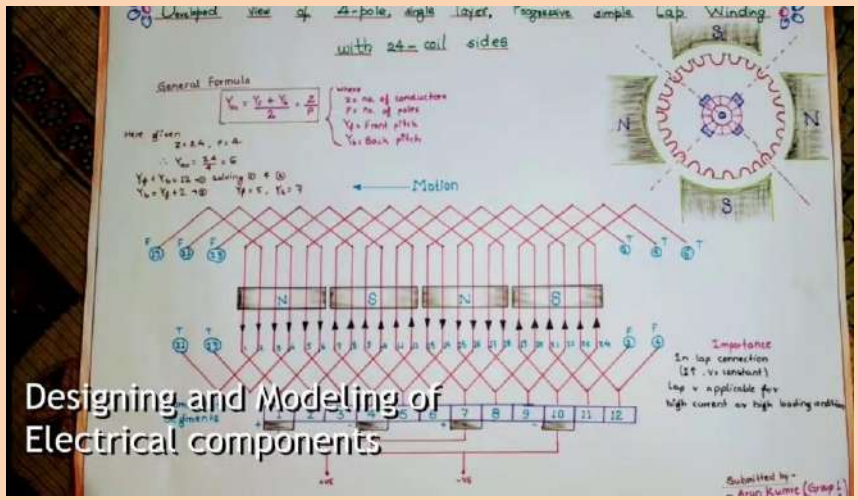
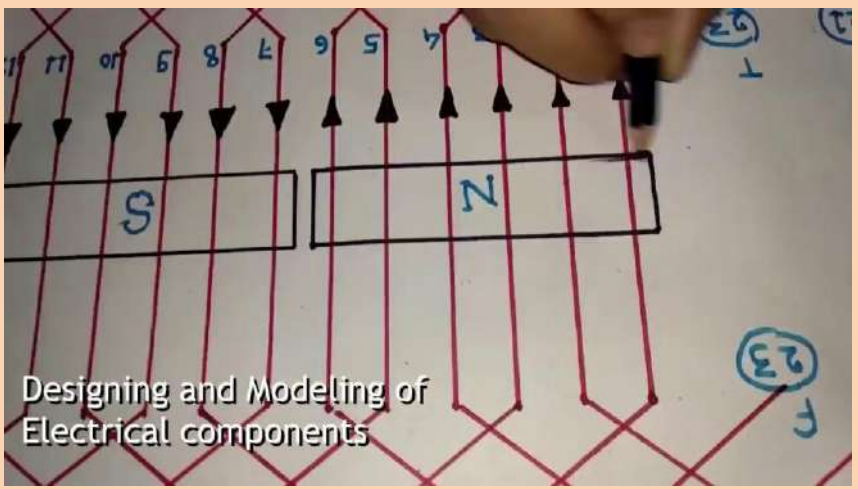
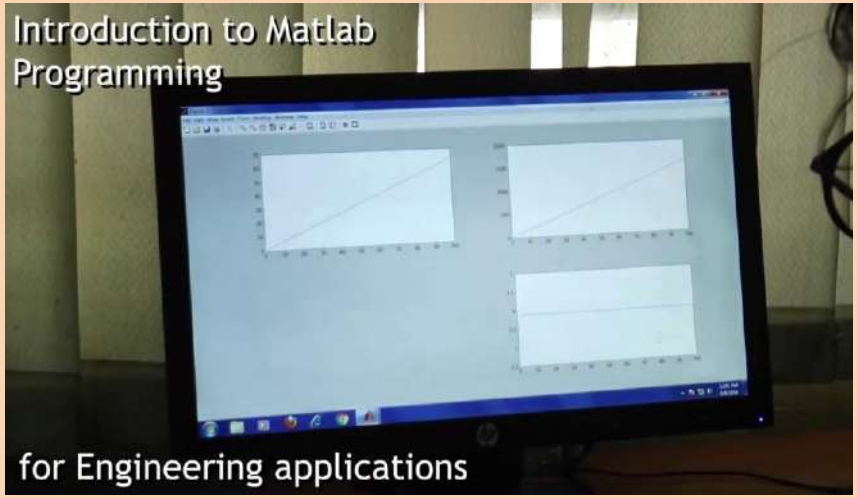
Glimpses of the Summer Internship Programme 2018

Module Name	Designing and modeling of Electrical Components
Module No.	Module-1
Faculty Coordinator	Prof.PraveenBansal&Prof.PunjanDohare
BRIEF DESCRIPTION	Hands on training to design different loading arrangements, types of wiring, constructional view of measuring components, types of winding in AC and DC machines, prototype modeling of free energy , DC generators, domestic switch board and their wiring connections, series board , Inverter wiring, cable sizing etc.

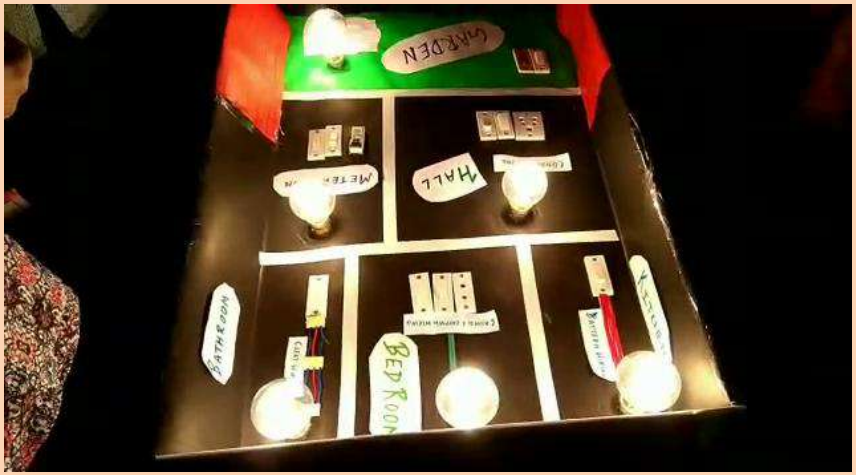




Module Name	Introduction to MATLAB programming for Engineering applications
Module No.	Module-3
Faculty Coordinator	Prof.KuldeepSwarnkar
BRIEF DESCRIPTION	Verify network concepts of Kirchhoff's Current & Voltage Law, design prototype model of Half wave and full wave rectifier circuits, Design of dual polarity DC power supply and theorems using bread board, Design logic gates and verify concepts in breadboard and Verification of addition, subtraction, multiplication, half adder and full adder using bread board and programming of addition, subtraction and division problem in hexadecimal numbers



Module Name	Designing and modeling of Electronics Components
Module No.	Module-2
Faculty Coordinator	Dr.ModemSudhakar
BRIEF DESCRIPTION	Verify network concepts of Kirchhoff's Current & Voltage Law, design prototype model of Half wave and full wave rectifier circuits, Design of dual polarity DC power supply and theorems using bread board, Design logic gates and verify concepts in breadboard and Verification of addition, subtraction, multiplication, half adder and full adder using bread board and programming of addition, subtraction and division problem in hexadecimal numbers



Module Name	Electricity usage for Domestic and Industrial application
Module No.	Module-4
Faculty Coordinator	Prof.VishalChaudhary
BRIEF DESCRIPTION	Construction features of tube light, bulb, ceiling fan, cooler etc. their operation and load calculation, Basics of generation, transmission , distribution, different voltage levels, types of AC and DC distribution, Power generation capacity in INDIA and abroad & its geographical distribution, Domestic and Industrial load calculation and read electricity bill and tariff calculation

Module Name	Working Model of Water Harvesting System
Module No.	Module-5
Faculty Coordinator	Prof.NupurVerma
BRIEF DESCRIPTION	Knowledge of water resources and its management strategies, Different methods and schemes which are followed, their applications and guidelines

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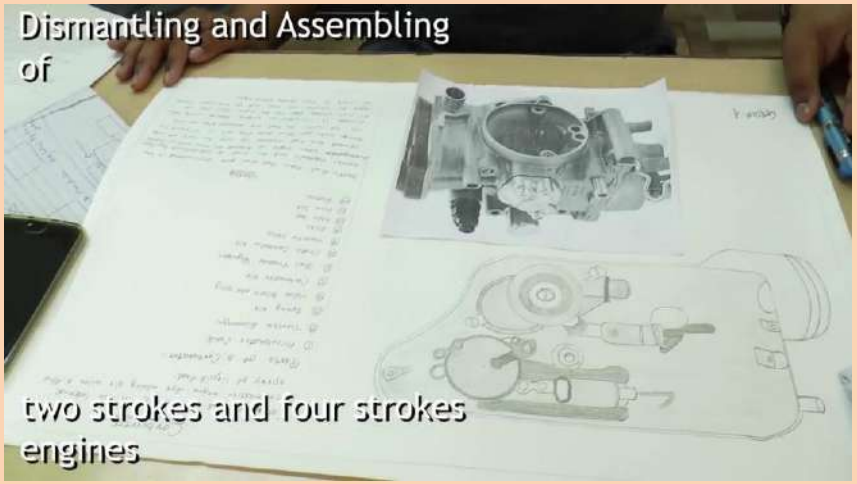
Module Name	Surveying using Total Station and Conventional methods
Module No.	Module-6
Faculty Coordinator	Prof.Shivam Gupta
BRIEF DESCRIPTION	Various methods of Plain table survey & leveling, drawing & reading of map

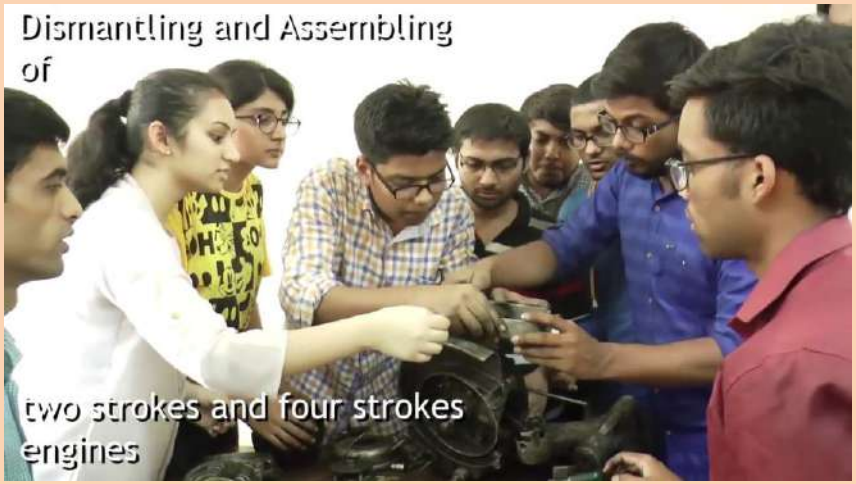
Module Name	Civil Engineering Structures Model Making
Module No.	Module-7
Faculty Coordinator	Prof.Shivendra Singh Kushwah
BRIEF DESCRIPTION	Design of different structures, their applications and safety measures. Students will learn about different types of loads acting on structures like Bridges, trusses, & Culvert

Module Name	Building Elements- Model Making
Module No.	Module-8
Faculty Coordinator	Prof.Pratibha Singh
BRIEF DESCRIPTION	Design of different building elements like Brick bonds, walls and foundations, their applications and safety measures. Students will also learn about different types of loads acting on buildings.

Module Name	Conventional machine
Module No.	Module-9
Faculty Coordinator	Dr.AmitAhirwar
BRIEF DESCRIPTION	The students will have to go through the various Conventional Machines and understand its different components and then perform various operations on the same

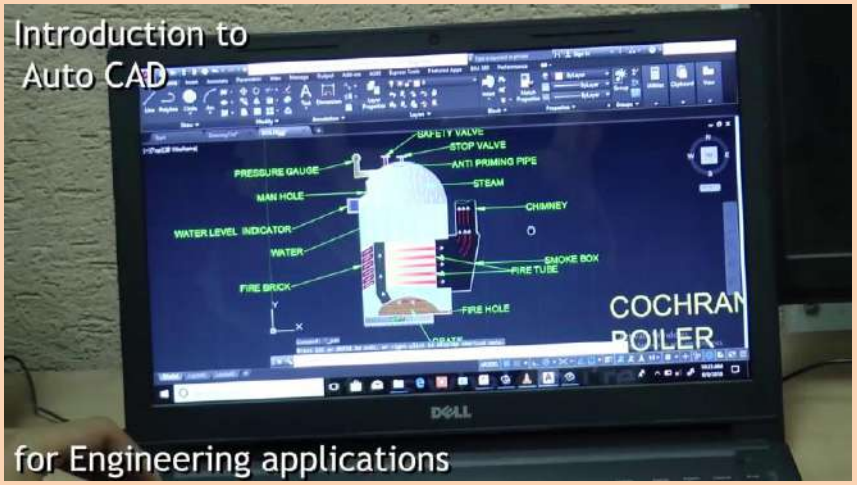
Module Name	Dismantling & assembling of two strokes &four Stroke Engine.
Module No.	Module-10
Faculty Coordinator	Prof.VaibhavShivhare
BRIEF DESCRIPTION	Hands on experience of dismantling and assembling of two stroke and four stroke engine. Practical session with theory classes will be arranged for the awareness of advance automotive technologies being used

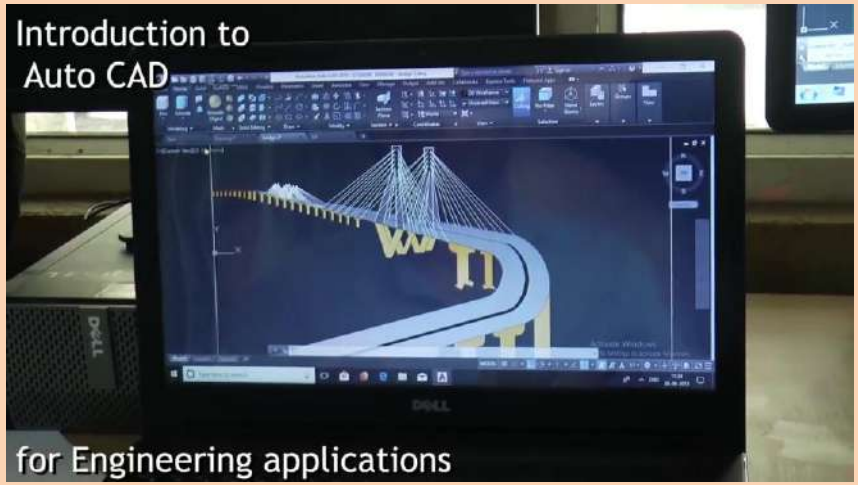




Module Name	Repair and maintenance of a vehicle.
Module No.	Module-11
Faculty Coordinator	Dr.Dharmendra Jain
BRIEF DESCRIPTION	Hands on experience of repair and maintenance of vehicle, along with the practical session some theory classes will also be arranged for the awareness of basics of automotive technologies being used.

Module Name	Introduction to Auto CAD for Engineering Applications
Module No.	Module-12
Faculty Coordinator	Prof.UtkarshSrivastava
BRIEF DESCRIPTION	The students will be introduced to the principles and practices of Computer-aided Drafting.

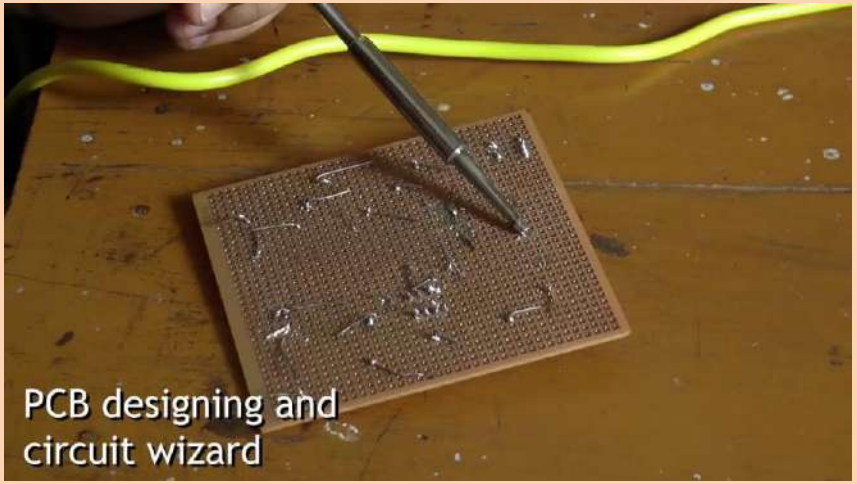




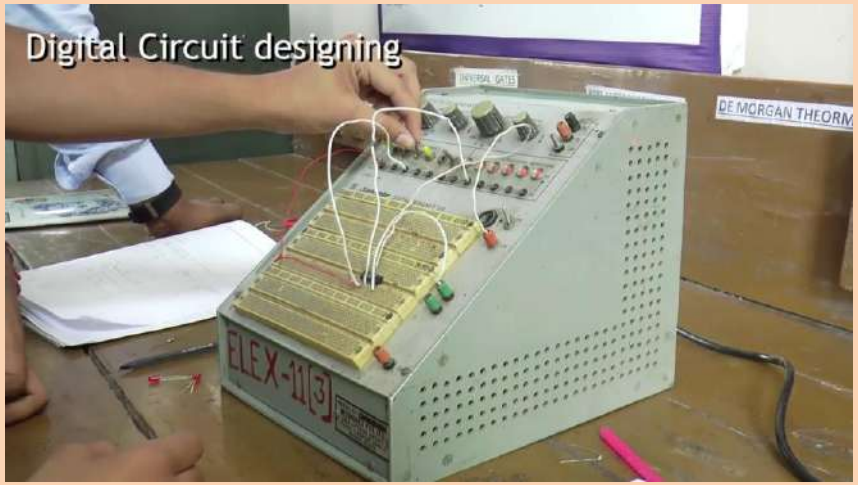
Module Name	Mechanical Testing and Measurement
Module No.	Module-13
Faculty Coordinator	Prof.Ajay Rajput
BRIEF DESCRIPTION	Performance of different mechanical tests on materials such as Tensile Test, Impact Testing, Hardness Testing, and Fatigue Test etc. The students will have to go through the various engineering measuring Instruments and understand its applications

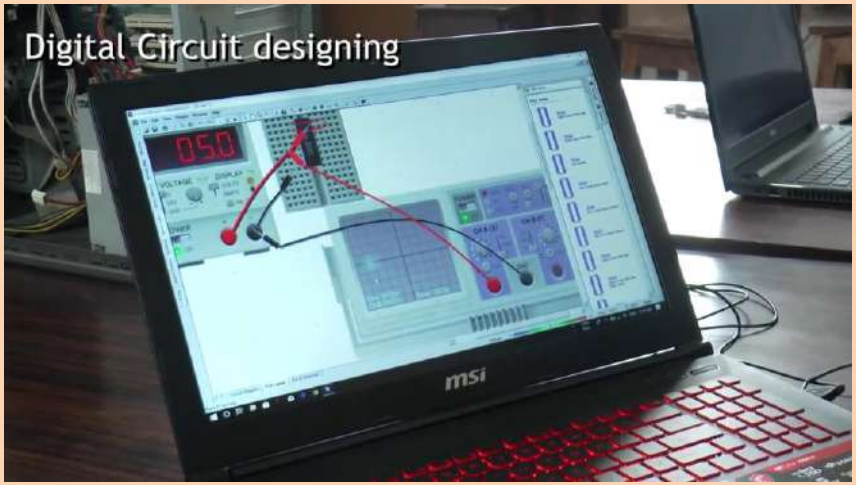
Module Name	TV &Motherboard
Module No.	Module-15
Faculty Coordinator	Dr.SarthakSinghal
BRIEF DESCRIPTION	Hands on training on TV & Motherboard

Module Name	PCB Designing & Circuit Wizard
Module No.	Module-16
Faculty Coordinator	Dr.VikasMahor
BRIEF DESCRIPTION	To provide hands-on experience in PCB Circuit design using software and to familiarize with PCB Fabrication process. To provide hands on experience in assembly and Testing of electronics circuit

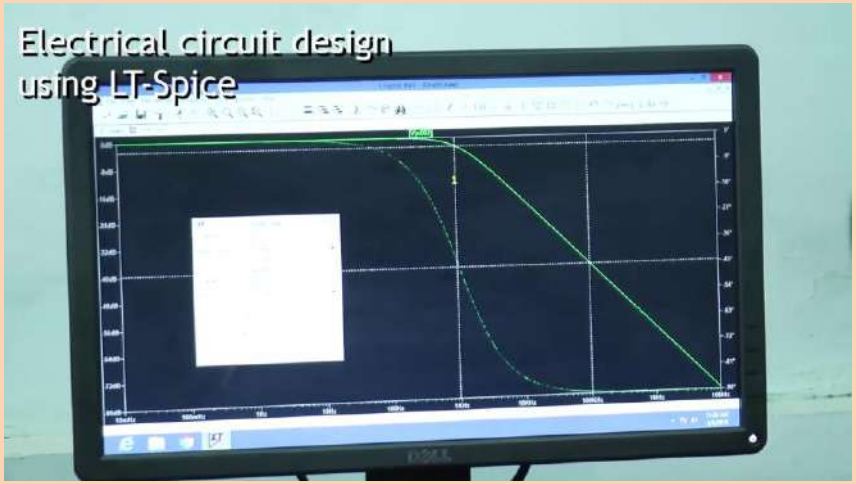


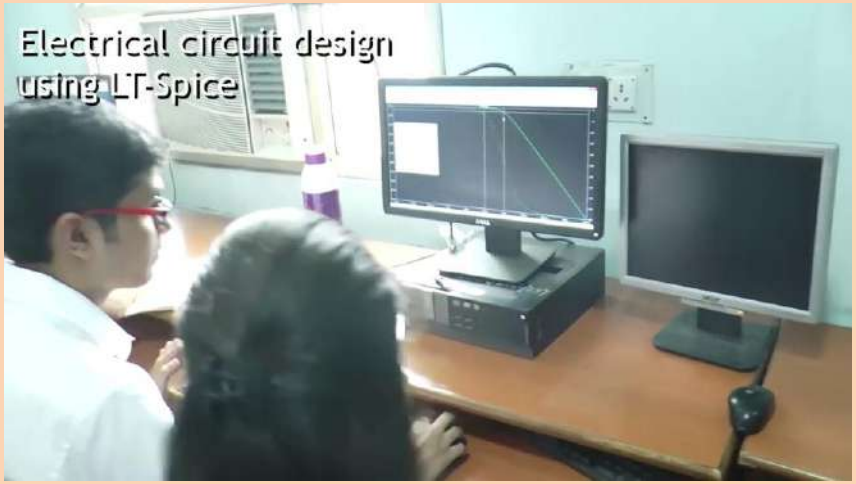
Module Name	Digital Circuit Design
Module No.	Module-18
Faculty Coordinator	Prof.Awadesh Gupta
BRIEF DESCRIPTION	To provide hands-on experience in Digital Circuit design using bread-board. To provide hands-on experience in assembly and testing of digital circuits





Module Name	Electrical Circuit Design Using LT-Spice
Module No.	Module-19
Faculty Coordinator	Prof.RishabShukla
BRIEF DESCRIPTION	To provide hands-on experience in Electrical Circuit design using bread-board. To provide experience in assembly and testing of Electrical circuits

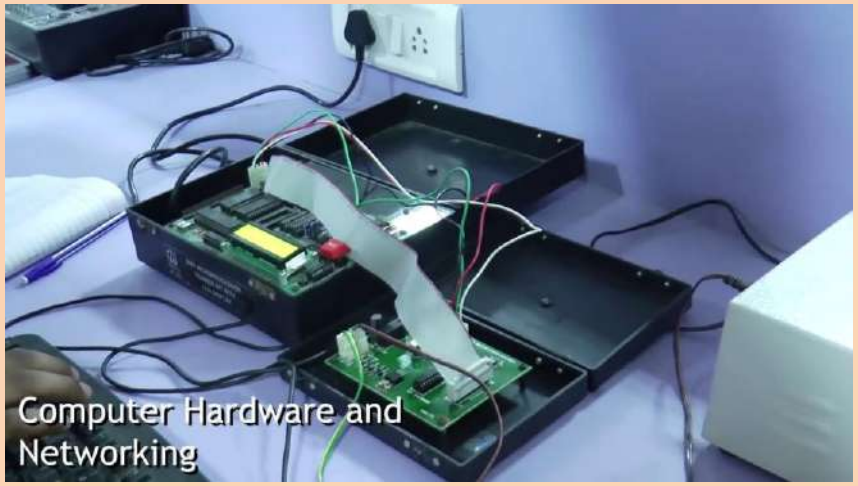




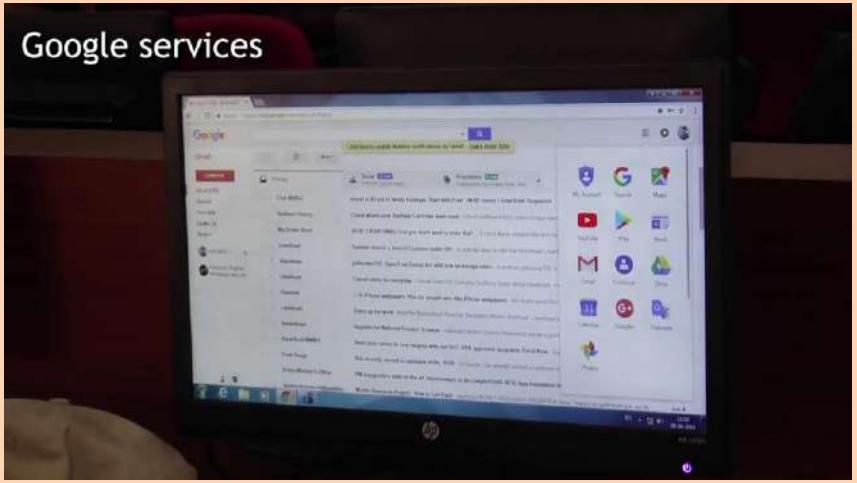
Module Name	O.S. Installation & Networking
Module No.	Module-20
Faculty Coordinator	Dr.RahulDubey
BRIEF DESCRIPTION	To provide hands-on experience in OS installation&in Networking

Module Name	Android Application Development
Module No.	Module-21
Faculty Coordinator	Prof.MaheshParmar
BRIEF DESCRIPTION	Build and deploy Android application. Understand the operation of the application, application lifecycle, configuration files, intents, and activities. Understanding of the UI - components, layouts, event handling, and screen orientation.

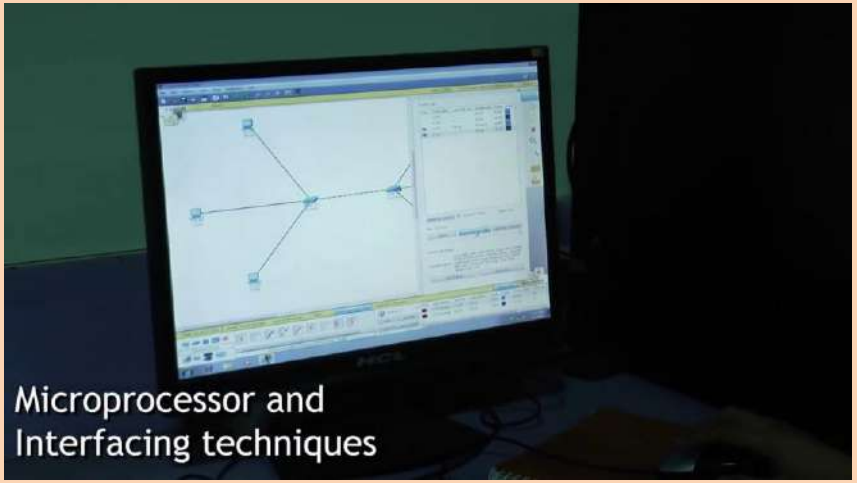
Module Name	Computer Hardware & Networking
Module No.	Module-22
Faculty Coordinator	Prof.DheerajGurjar
BRIEF DESCRIPTION	Demonstration of operating system installation and hardware configuration. Demonstration of networking devices and IP addressing for communication and connection of internet. Simulation and study of network using different networking tools

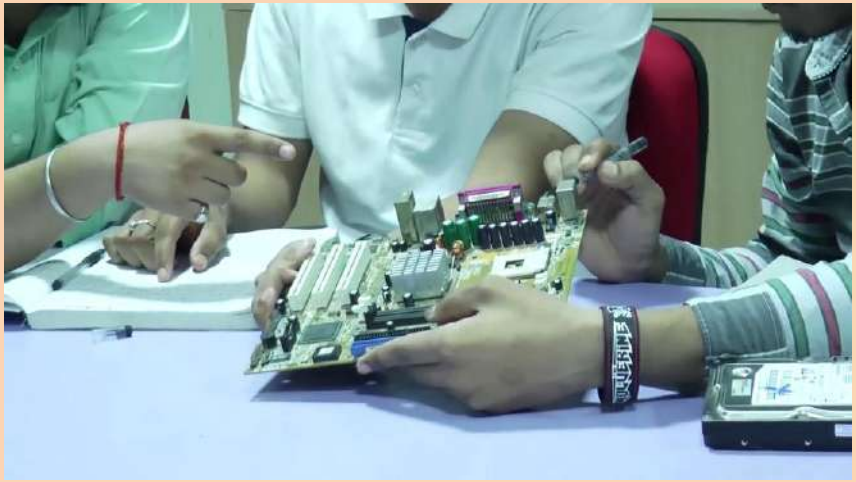


Module Name	Google Services
Module No.	Module-23
Faculty Coordinator	Prof.AbhilashSonker
BRIEF DESCRIPTION	Managing, Sharing, Analyzing, Distribution of data using various Google services



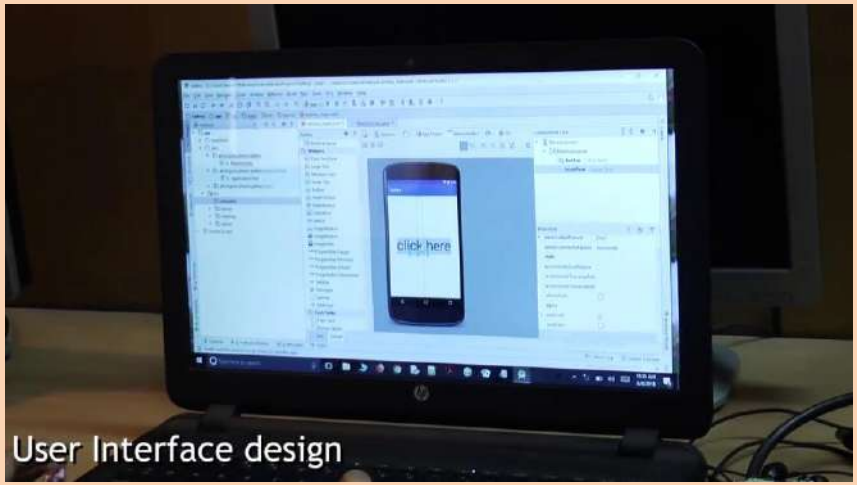
Module Name	Microprocessor & Interfacing Techniques
Module No.	Module-24
Faculty Coordinator	Prof.VikasSejwar
BRIEF DESCRIPTION	To interpret, analyze, verify and troubleshoot microprocessor circuits and interfacing using appropriate techniques and test equipment.





Module Name	Problem Solving Through Programming
Module No.	Module-25
Faculty Coordinator	Prof.Sheo Kumar
BRIEF DESCRIPTION	Computer programmers write code to create software programs. They turn the program designs created by software developers and engineers into instructions that a computer can follow. Programmers must debug the programs that are, test them to ensure that they produce the expected results.

Module Name	User Interface Design
Module No.	Module-26
Faculty Coordinator	Prof.AmitManjhvar
BRIEF DESCRIPTION	Create website layout/user interface by using standard HTML/CSS/Java Script practices, maintaining, expanding, and scaling our site. Cooperate with web designers to match visual design intent

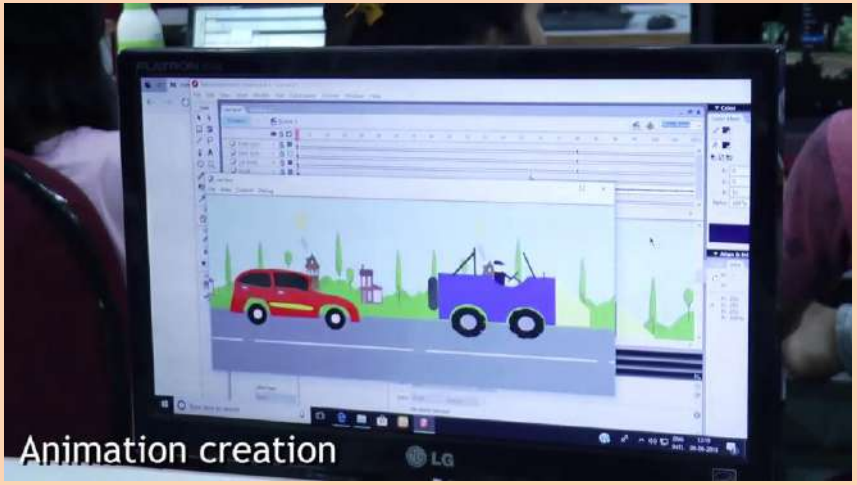


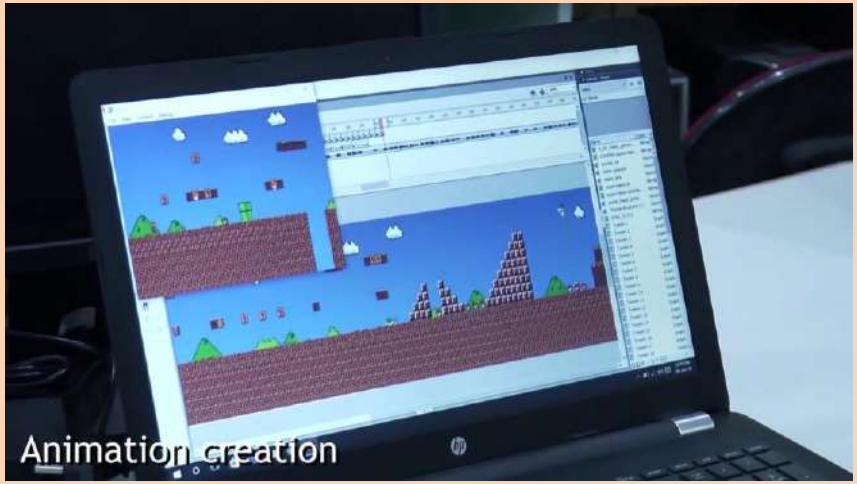
Module Name	Application of measuring devices in chemical process industries
Module No.	Module-27
Faculty Coordinator	Prof.S.R
BRIEF DESCRIPTION	Basics of fluid systems and fluid measuring devices used in chemical industries. The laboratory experiment helps to solve the problem related to measurement of raw materials used in chemical Industries

Module Name	Utility of Heat transfer in process industry
Module No.	Module-28
Faculty Coordinator	Dr.Shailendra Kumar Pandey
BRIEF DESCRIPTION	Fundamentals of heat transfer and working of equipment's for Industrial process. Types of heat transfer process. Theory and working of heat transfer equipment such as heat exchangers and condensers

Module Name	Animation Creation
Module No.	Module-32
Faculty Coordinator	Dr.Prachi Sharma
BRIEF DESCRIPTION	LASER system and its applications. Practical realization of working with He-Ne LASER. Student will be able to express the working and formation of a Hologram with the help of He-Ne LASER.

Module No.	Module-26
Faculty Coordinator	Prof.ParulSaxena
BRIEF DESCRIPTION	Visual effects with latest technologies, television, films and advertising industry all have an insatiable demand for animations and special effects. India is emerging in the field of "Animation" and would create a huge employment opportunities





For more Information contact:
Prof.PraveenBansal, Assistant Professor, Department of Electrical Engineering
9827577549, pbansal444@gmail.com

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE GWALIOR

(A Govt. aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)

Name of Module: 3D Scientific Photography

No. of students: 06

Faculty Coordinators: Dr. Prachi Sharma (Applied Science)

Feedback Report

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	4	2	0	0	0	4.66
The lecture sequence was well planned	3	3	0	0	0	4.50
The teaching aids effectively used	3	2	1	0	0	4.33
The course exposed to practical exercises	4	1	0	0	0	4.80
I have better understanding of concepts, theories and skills during my Internship	4	2	0	0	0	4.66
The Level of the module course is	2	1	1	0	0	4.25
The work I performed are challenging and stimulating	3	1	1	0	0	4.40
This Internship help me to grow professionally	2	2	0	0	0	4.50
I would recommend this Internship to other students in future	3	3	0	0	0	4.50
					Average Indexing	4.51

Name of Module: Android application development

No. of students: 25

Faculty Coordinators: Prof. Mahesh Parmar (CSE/IT)

Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	4	2	0	0	0	4.44
The lecture sequence was well planned	3	3	0	0	0	4.36
The teaching aids effectively used	3	2	1	0	0	4.32
The course exposed to practical exercises	4	1	0	0	0	4.40

I have better understanding of concepts, theories and skills during my Internship	4	2	0	0	0	4.24
The Level of the module course is	2	1	1	0	0	4.12
The work I performed are challenging and stimulating	3	1	1	0	0	4.24
This Internship help me to grow professionally	2	2	0	0	0	4.08
I would recommend this Internship to other students in future	3	3	0	0	0	4.22
					Average Indexing	4.26

Name of Module: Animation creation
No. of students: 15
Faculty Coordinators: Prof. Parul Saxena (MCA)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	7	5	2	1	0	4.20
The lecture sequence was well planned	5	7	0	1	2	3.80
The teaching aids effectively used	7	3	3	0	2	3.86
The course exposed to practical exercises	10	4	0	0	1	4.46
I have better understanding of concepts, theories and skills during my Internship	4	10	0	1	0	4.13
The Level of the module course is	3	7	3	0	2	3.60
The work I performed are challenging and stimulating	5	7	3	0	0	4.13
This Internship help me to grow professionally	4	4	5	1	1	3.60
I would recommend this Internship to other students in future	5	6	2	0	2	3.80
					Average Indexing	3.95

Name of Module: Application of measuring devices in chemical process industries
No. of students: 09
Faculty Coordinators: Prof.S.R (Chemical Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	4	4	1	0	0	4.33
The lecture sequence was well planned	4	3	2	0	0	4.22
The teaching aids effectively used	4	5	0	0	0	4.44
The course exposed to practical exercises	5	2	2	0	0	4.33
I have better understanding of concepts, theories and skills during my Internship	4	3	2	0	0	4.22
The Level of the module course is	2	5	2	0	0	4.00
The work I performed are challenging and stimulating	2	3	4	0	0	3.77
This Internship help me to grow professionally	5	3	1	0	0	4.44
I would recommend this Internship to other students in future	4	4	1	0	0	4.33
					Average Indexing	4.23

Name of Module: Basics of refrigeration and air conditioning (RAC)
No. of students: 05
Faculty Coordinators: Er. Satish Sharma (EDC)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	2	2	1	0	0	4.20
The lecture sequence was well planned	1	3	1	0	0	4.00
The teaching aids effectively used	1	2	2	0	0	3.80

The course exposed to practical exercises	4	1	0	0	0	4.80
I have better understanding of concepts, theories and skills during my Internship	1	4	0	0	0	4.20
The Level of the module course is	2	2	1	0	0	4.20
The work I performed are challenging and stimulating	1	3	1	0	0	4.00
This Internship help me to grow professionally	1	3	1	0	0	4.00
I would recommend this Internship to other students in future	3	2	0	0	0	4.60
					Average Indexing	4.20

Name of Module: Bio- Monitoring water quality
No. of students: 01
Faculty Coordinators: Dr. Pragyan Ranjan Rout (Biotechnology)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	1	0	0	0	0	5
The lecture sequence was well planned	0	1	0	0	0	4
The teaching aids effectively used	0	1	0	0	0	4
The course exposed to practical exercises	0	1	0	0	0	4
I have better understanding of concepts, theories and skills during my Internship	0	1	0	0	0	4
The Level of the module course is	0	1	0	0	0	4
The work I performed are challenging and stimulating	1	0	0	0	0	5
This Internship help me to grow professionally	0	1	0	0	0	4
I would recommend this Internship to other students in future	0	1	0	0	0	4
					Average Indexing	4.22

Name of Module: **Building elements model making**
No. of students: 13
Faculty Coordinators: Prof. Pratibha Singh (Civil Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	9	3	0	1	0	4.53
The lecture sequence was well planned	5	5	1	1	1	3.92
The teaching aids effectively used	6	4	1	2	0	4.07
The course exposed to practical exercises	10	1	1	1	0	4.53
I have better understanding of concepts, theories and skills during my Internship	10	2	0	1	0	4.61
The Level of the module course is	3	5	4	0	1	3.69
The work I performed are challenging and stimulating	4	7	2	0	0	4.15
This Internship help me to grow professionally	8	3	1	1	0	4.38
I would recommend this Internship to other students in future	6	4	2	1	0	4.15
					Average Indexing	4.23

Name of Module: **Civil engineering structures model making**
No. of students: 24
Faculty Coordinators: Prof. Shivendra Singh Kushwah (Civil Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	23	1	0	0	0	4.95
The lecture sequence was well planned	17	6	1	0	0	4.66

The teaching aids effectively used	**17**	**6**	**1**	**0**	**0**	**4.66**
The course exposed to practical exercises	**19**	**4**	**1**	**0**	**0**	**4.75**
I have better understanding of concepts, theories and skills during my Internship	**17**	**7**	**0**	**0**	**0**	**4.70**
The Level of the module course is	**8**	**11**	**5**	**0**	**0**	**4.12**
The work I performed are challenging and stimulating	**13**	**8**	**3**	**0**	**0**	**4.41**
This Internship help me to grow professionally	**20**	**2**	**2**	**0**	**0**	**4.75**
I would recommend this Internship to other students in future	**18**	**5**	**1**	**0**	**0**	**4.70**
					Average Indexing	**4. 63**

Name of Module: **Computer fundamental with web concept**
No. of students: 08
Faculty Coordinators: Mr. Akshat Agrawal (EDC)
Feedback Report:

	Excellent	**V.Good**	**Good**	**Poor**	**V.Poor**	**Weighted sum**
Module Coordinator clearly defines the goals at the beginning of the Internship	**6**	**1**	**1**	**0**	**0**	**4.62**
The lecture sequence was well planned	**7**	**0**	**1**	**0**	**0**	**4.75**
The teaching aids effectively used	**7**	**1**	**0**	**0**	**0**	**4.87**
The course exposed to practical exercises	**7**	**0**	**1**	**0**	**0**	**4.75**
I have better understanding of concepts, theories and skills during my Internship	**5**	**2**	**1**	**0**	**0**	**4.50**
The Level of the module course is	**4**	**1**	**2**	**0**	**1**	**3.87**
The work I performed are challenging and stimulating	**4**	**2**	**1**	**0**	**1**	**4.00**
This Internship help me to grow professionally	**6**	**1**	**1**	**0**	**0**	**4.62**
I would recommend this Internship to other students in future	**4**	**2**	**2**	**0**	**0**	**4.25**
					Average Indexing	**4.47**

Name of Module: **Computer hardware and networking**
No. of students: 20
Faculty Coordinators: Prof. Dheeraj Gurjar (CSE/IT)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	4	8	7	0	1	3.70
The lecture sequence was well planned	5	7	6	0	2	3.65
The teaching aids effectively used	4	10	5	0	1	3.80
The course exposed to practical exercises	6	8	5	0	1	3.90
I have better understanding of concepts, theories and skills during my Internship	6	6	6	0	2	3.70
The Level of the module course is	2	8	10	0	0	3.60
The work I performed are challenging and stimulating	4	8	6	0	1	3.73
This Internship help me to grow professionally	7	7	5	0	1	3.95
I would recommend this Internship to other students in future	7	8	5	0	0	4.1
					Average Indexing	3.79

Name of Module: **Conventional machine**
No. of students: 17
Faculty Coordinators: Dr.Amit Ahirwar (Mechanical Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	9	6	0	1	1	4.23
The lecture sequence was well planned	10	5	1	0	1	4.35
The teaching aids effectively used	8	6	2	1	0	4.23
The course exposed to practical exercises	10	5	1	1	0	4.41

I have better understanding of concepts, theories and skills during my Internship	12	4	1	1	0	**4.50**
The Level of the module course is	6	5	1	1	1	**4.00**
The work I performed are challenging and stimulating	8	5	1	1	1	**4.12**
This Internship help me to grow professionally	9	3	0	0	1	**4.461**
I would recommend this Internship to other students in future	11	3	1	1	0	**4.50**
					Average Indexing	**4.31**

Name of Module: **Designing and modeling of electrical components**
No. of students: 17
Module No:
Faculty Coordinators: Prof. Kuldeep Swarnkar & Prof. Praveen Bansal (Electrical Engineering)
Feedback Report:

	Excellent	**V.Good**	**Good**	**Poor**	**V.Poor**	**Weighted sum**
Module Coordinator clearly defines the goals at the beginning of the Internship	**7**	**5**	**2**	**1**	**2**	**3.82**
The lecture sequence was well planned	**4**	**8**	**4**	**0**	**1**	**3.82**
The teaching aids effectively used	**5**	**8**	**3**	**0**	**1**	**3.94**
The course exposed to practical exercises	**7**	**8**	**2**	**0**	**0**	**4.29**
I have better understanding of concepts, theories and skills during my Internship	**7**	**7**	**2**	**0**	**1**	**4.11**
The Level of the module course is	**2**	**8**	**6**	**0**	**1**	**3.58**
The work I performed are challenging and stimulating	**1**	**8**	**7**	**0**	**1**	**3.47**
This Internship help me to grow professionally	**2**	**11**	**1**	**0**	**3**	**3.52**
I would recommend this Internship to other students in future	**4**	**7**	**5**	**0**	**1**	**3.76**
						3.81

Name of Module: **Designing and modeling of electronics components**
No. of students: 05
Faculty Coordinators: Dr. Modem Sudhakar (Electrical Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	1	4	0	0	0	4.20
The lecture sequence was well planned	1	2	2	0	0	3.80
The teaching aids effectively used	1	3	1	0	0	4.00
The course exposed to practical exercises	3	1	1	0	0	4.40
I have better understanding of concepts, theories and skills during my Internship	3	2	0	0	0	4.60
The Level of the module course is	2	1	2	0	0	4.00
The work I performed are challenging and stimulating	2	0	3	0	0	3.80
This Internship help me to grow professionally	3	1	1	0	0	4.40
I would recommend this Internship to other students in future	3	1	1	0	0	4.40
						4.17

Name of Module: **Digital circuit design**
No. of students: 17
Faculty Coordinators: Prof. Awadesh Gupta (Electronics Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	8	6	1	2	0	4.17
The lecture sequence was well planned	11	2	0	1	3	4.00
The teaching aids effectively used	7	5	2	2	1	3.88
The course exposed to practical exercises	8	3	5	1	0	4.05

I have better understanding of concepts, theories and skills during my Internship	**5**	**9**	**0**	**2**	**1**	**3.88**
The Level of the module course is	**1**	**9**	**4**	**0**	**3**	**3.29**
The work I performed are challenging and stimulating	**2**	**9**	**4**	**1**	**1**	**3.58**
This Internship help me to grow professionally	**7**	**6**	**1**	**1**	**2**	**3.88**
I would recommend this Internship to other students in future	**8**	**5**	**2**	**2**	**0**	**4.11**
						3.87

Name of Module: **Dismantling and assembling of two strokes and four strokes engine**
No. of students: 22
Faculty Coordinators: Prof.Vaibhav Shivhare (Mechanical Engineering)
Feedback Report:

	Excellent	**V.Good**	**Good**	**Poor**	**V.Poor**	**Weighted sum**
Module Coordinator clearly defines the goals at the beginning of the Internship	**8**	**13**	**0**	**0**	**1**	**4.22**
The lecture sequence was well planned	**10**	**9**	**1**	**1**	**1**	**4.18**
The teaching aids effectively used	**9**	**8**	**2**	**0**	**3**	**3.90**
The course exposed to practical exercises	**15**	**6**	**1**	**0**	**0**	**4.63**
I have better understanding of concepts, theories and skills during my Internship	**8**	**8**	**6**	**0**	**0**	**4.09**
The Level of the module course is	**4**	**15**	**2**	**0**	**1**	**3.95**
The work I performed are challenging and stimulating	**4**	**13**	**4**	**0**	**1**	**3.86**
This Internship help me to grow professionally	**5**	**11**	**4**	**0**	**2**	**3.77**
I would recommend this Internship to other students in future	**12**	**9**	**1**	**0**	**0**	**4.50**
						4.12

Name of Module: **Electrical circuit using LT-Spice**
No. of students: 8
Faculty Coordinators: Prof.Rishab Shukla (Electronics Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	7	0	0	1	0	4.62
The lecture sequence was well planned	6	1	0	1	0	4.5
The teaching aids effectively used	5	2	0	0	1	4.25
The course exposed to practical exercises	5	2	0	1	0	4.37
I have better understanding of concepts, theories and skills during my Internship	4	3	0	1	0	4.25
The Level of the module course is	3	4	1	0	0	4.25
The work I performed are challenging and stimulating	5	3	0	0	0	4.62
This Internship help me to grow professionally	5	2	0	0	1	4.25
I would recommend this Internship to other students in future	5	2	0	1	0	4.37
						4.38

Name of Module: Electricity usage for domestic and industrial applications
No. of students: 18
Faculty Coordinators: Prof. Vishal Chaudhary (Electrical Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	6	5	1	4	2	3.50
The lecture sequence was well planned	4	6	2	3	3	3.27
The teaching aids effectively used	3	6	3	3	3	3.16
The course exposed to practical exercises	5	6	2	3	2	3.50

I have better understanding of concepts, theories and skills during my Internship	**4**	**7**	**1**	**3**	**3**	**3.33**
The Level of the module course is	**1**	**7**	**4**	**2**	**4**	**2.94**
The work I performed are challenging and stimulating	**5**	**3**	**4**	**3**	**3**	**3.22**
This Internship help me to grow professionally	**4**	**6**	**3**	**3**	**2**	**3.38**
I would recommend this Internship to other students in future	**6**	**5**	**2**	**3**	**2**	**3.55**
						3.32

Name of Module: **Entrepreneurship awareness programme**
No. of students: 03
Faculty Coordinators: Dr. Prabhakhar Singh Bhadhoria (EDC)
Feedback Report:

	Excellent	**V.Good**	**Good**	**Poor**	**V.Poor**	**Weighted sum**
Module Coordinator clearly defines the goals at the beginning of the Internship	**3**	**0**	**0**	**0**	**0**	**5.0**
The lecture sequence was well planned	**2**	**1**	**0**	**0**	**0**	**4.66**
The teaching aids effectively used	**1**	**2**	**0**	**0**	**0**	**4.33**
The course exposed to practical exercises	**1**	**2**	**0**	**0**	**0**	**4.33**
I have better understanding of concepts, theories and skills during my Internship	**2**	**1**	**0**	**0**	**0**	**4.66**
The Level of the module course is	**1**	**0**	**2**	**0**	**0**	**3.66**
The work I performed are challenging and stimulating	**1**	**1**	**1**	**0**	**0**	**4.00**
This Internship help me to grow professionally	**1**	**2**	**0**	**0**	**0**	**4.33**
I would recommend this Internship to other students in future	**2**	**1**	**0**	**0**	**0**	**4.66**
						4.40

Name of Module: **Google services**
No. of students: 30
Faculty Coordinators: Prof. Abhilash Sonkar (CSE/IT)

Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	15	12	2	1	0	4.36
The lecture sequence was well planned	10	14	5	1	0	4.10
The teaching aids effectively used	10	14	5	1	0	4.10
The course exposed to practical exercises	13	16	0	1	0	4.36
I have better understanding of concepts, theories and skills during my Internship	13	11	5	1	0	4.20
The Level of the module course is	4	13	10	2	1	3.56
The work I performed are challenging and stimulating	3	15	9	2	1	3.56
This Internship help me to grow professionally	11	11	7	1	0	4.06
I would recommend this Internship to other students in future	10	15	3	2	0	4.10
						4.40

Name of Module: **Graphic design**
No. of students: 19
Faculty Coordinators: Dr. Anshu Chaturvedi (MCA)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	9	7	2	0	1	4.21
The lecture sequence was well planned	11	4	2	0	2	4.15
The teaching aids effectively used	6	8	2	2	1	3.84

The course exposed to practical exercises	**5**	**10**	**3**	**1**	**0**	**4.00**
I have better understanding of concepts, theories and skills during my Internship	**5**	**11**	**2**	**1**	**0**	**4.05**
The Level of the module course is	**6**	**10**	**5**	**0**	**0**	**4.04**
The work I performed are challenging and stimulating	**8**	**5**	**5**	**0**	**1**	**4.00**
This Internship help me to grow professionally	**7**	**7**	**4**	**1**	**0**	**4.05**
I would recommend this Internship to other students in future	**6**	**8**	**3**	**2**	**0**	**3.94**
						4.03

Name of Module: **Introduction to AUTOCAD for engineering applications**
No. of students: 22
Faculty Coordinators: Prof. Utkarsh Srivastava (Mechanical Engineering)
Feedback Report:

	Excellent	**V.Good**	**Good**	**Poor**	**V.Poor**	**Weighted sum**
Module Coordinator clearly defines the goals at the beginning of the Internship	**11**	**8**	**1**	**0**	**2**	**4.18**
The lecture sequence was well planned	**6**	**11**	**4**	**0**	**1**	**3.95**
The teaching aids effectively used	**9**	**7**	**4**	**0**	**2**	**3.95**
The course exposed to practical exercises	**13**	**7**	**1**	**0**	**1**	**4.40**
I have better understanding of concepts, theories and skills during my Internship	**16**	**4**	**1**	**0**	**1**	**4.54**
The Level of the module course is	**5**	**8**	**5**	**1**	**3**	**3.50**
The work I performed are challenging and stimulating	**8**	**7**	**5**	**0**	**2**	**3.86**
This Internship help me to grow professionally	**7**	**13**	**2**	**0**	**0**	**4.22**
I would recommend this Internship to other students in future	**11**	**9**	**1**	**0**	**1**	**4.31**
						4.10

Name of Module: **Introduction to MATLAB Programming for engineering applications**
No. of students: 28
Faculty Coordinators: Prof. Punjan Dohare (Electrical Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	6	9	12	0	1	3.67
The lecture sequence was well planned	6	12	9	0	1	3.78
The teaching aids effectively used	8	11	6	2	1	3.82
The course exposed to practical exercises	11	9	5	2	1	3.96
I have better understanding of concepts, theories and skills during my Internship	10	10	4	1	3	3.821
The Level of the module course is	2	14	10	0	2	3.50
The work I performed are challenging and stimulating	5	14	8	0	1	3.78
This Internship help me to grow professionally	6	13	7	2	0	3.82
I would recommend this Internship to other students in future	11	9	6	0	2	3.96
						3.79

Name of Module: **MATLAB**
No. of students: 25
Faculty Coordinators: Dr.Ashish Gupta (Electronics Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	12	9	4	0	0	4.32
The lecture sequence was well planned	16	7	2	0	0	4.56
The teaching aids effectively used	11	12	2	0	0	4.36
The course exposed to practical exercises	12	9	4	0	0	4.32

I have better understanding of concepts, theories and skills during my Internship	**11**	**2**	**1**	**0**	**1**	**4.46**
The Level of the module course is	**5**	**11**	**9**	**0**	**0**	**3.84**
The work I performed are challenging and stimulating	**5**	**16**	**3**	**0**	**1**	**3.96**
This Internship help me to grow professionally	**12**	**7**	**6**	**0**	**0**	**4.24**
I would recommend this Internship to other students in future	**13**	**11**	**1**	**0**	**0**	**4.48**
						4.28

Name of Module: **Mechanical testing and measurement**
No. of students: 16
Faculty Coordinators: Prof. Ajay Rajput (Mechanical Engineering)
Feedback Report:

	Excellent	**V.Good**	**Good**	**Poor**	**V.Poor**	**Weighted sum**
Module Coordinator clearly defines the goals at the beginning of the Internship	**7**	**6**	**3**	**0**	**0**	**4.25**
The lecture sequence was well planned	**7**	**5**	**2**	**0**	**2**	**3.93**
The teaching aids effectively used	**7**	**5**	**4**	**0**	**0**	**4.18**
The course exposed to practical exercises	**7**	**7**		**0**	**0**	**4.50**
I have better understanding of concepts, theories and skills during my Internship	**6**	**8**	**2**	**0**	**0**	**4.25**
The Level of the module course is	**2**	**6**	**8**	**0**	**0**	**3.62**
The work I performed are challenging and stimulating	**4**	**10**	**1**	**0**	**1**	**4.00**
This Internship help me to grow professionally	**7**	**9**	**0**	**0**	**0**	**4.43**
I would recommend this Internship to other students in future	**5**	**8**	**1**	**0**	**2**	**3.87**
						4.11

Name of Module: **Microprocessor and interfacing technique**
No. of students: 16
Faculty Coordinators: Prof. Vikas Sejwar (CSE/IT)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	11	1	2	1	1	4.25
The lecture sequence was well planned	9	5	2	0	0	4.43
The teaching aids effectively used	9	5	2	0	0	4.43
The course exposed to practical exercises	8	6	1	0	1	4.25
I have better understanding of concepts, theories and skills during my Internship	8	5	2	0	1	4.18
The Level of the module course is	2	7	5	0	2	3.43
The work I performed are challenging and stimulating	3	5	7	1	0	3.62
This Internship help me to grow professionally	5	6	3	0	2	3.75
I would recommend this Internship to other students in future	7	3	6	0	0	4.06
						4.04

Name of Module: **O.S. Installation and working**
No. of students: 18
Faculty Coordinators: Dr.Rahul Dubey (Electronics Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	7	3	6	1	1	3.77
The lecture sequence was well planned	9	3	5	0	1	4.05
The teaching aids effectively used	7	7	2	1	1	4.00
The course exposed to practical exercises	6	3	5	1	3	3.44

I have better understanding of concepts, theories and skills during my Internship	7	5	5	1	0	4.00
The Level of the module course is	5	4	5	0	4	3.33
The work I performed are challenging and stimulating	5	7	4	0	2	3.72
This Internship help me to grow professionally	4	6	4	2	2	3.44
I would recommend this Internship to other students in future	6	5	5	2	0	3.83
						3.73

Name of Module: **PCB designing and circuit wizard**
No. of students: 27
Faculty Coordinators: Dr.Vikas Mahor (Electronics Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	19	7	0	0	1	4.59
The lecture sequence was well planned	17	9	0	0	1	4.51
The teaching aids effectively used	20	5	1	1	0	4.62
The course exposed to practical exercises	18	8	0	1	0	4.59
I have better understanding of concepts, theories and skills during my Internship	18	6	2	0	1	4.48
The Level of the module course is	9	11	7	0	0	4.07
The work I performed are challenging and stimulating	14	10	3	0	0	4.40
This Internship help me to grow professionally	16	9	1	0	1	4.44
I would recommend this Internship to other students in future	20	4	2	1	0	4.59
						4.48

Name of Module: Problem solving through Programming
No. of students: 27
Faculty Coordinators: Prof. Shoe Kumar (CSE/IT)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	10	11	5	0	1	4.07
The lecture sequence was well planned	9	9	8	0	1	3.92
The teaching aids effectively used	8	12	4	1	2	3.85
The course exposed to practical exercises	11	7	6	1	2	3.88
I have better understanding of concepts, theories and skills during my Internship	8	11	5	0	3	3.77
The Level of the module course is	3	11	10	1	2	3.44
The work I performed are challenging and stimulating	6	11	7	1	2	3.66
This Internship help me to grow professionally	8	10	7	2	0	3.88
I would recommend this Internship to other students in future	10	9	6	1	1	3.96
						3.83

Name of Module: Repair and maintenance of a vehicle
No. of students: 29
Faculty Coordinators: Dr. Dharmanedra Jain (Mechanical Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	14	11	2	1	1	4.24
The lecture sequence was well planned	9	10	9	1	0	3.93
The teaching aids effectively used	9	10	9	1	0	3.93
The course exposed to practical exercises	17	8	2	1	1	4.34

I have better understanding of concepts, theories and skills during my Internship	**14**	**8**	**6**	**1**	**0**	**4.20**
The Level of the module course is	**5**	**12**	**9**	**1**	**2**	**3.58**
The work I performed are challenging and stimulating	**7**	**13**	**6**	**1**	**2**	**3.75**
This Internship help me to grow professionally	**13**	**9**	**5**	**1**	**1**	**4.10**
I would recommend this Internship to other students in future	**12**	**11**	**5**	**1**	**0**	**4.17**
						4.03

Name of Module: Surveying using total stationed conventional methods
No. of students: 21
Faculty Coordinators: Prof. Shivam Gupta (Civil Engineering)
Feedback Report:

	Excellent	**V.Good**	**Good**	**Poor**	**V.Poor**	**Weighted sum**
Module Coordinator clearly defines the goals at the beginning of the Internship	**15**	**3**	**1**	**1**	**1**	**4.42**
The lecture sequence was well planned	**13**	**4**	**2**	**1**	**1**	**4.28**
The teaching aids effectively used	**13**	**4**	**2**	**0**	**2**	**4.23**
The course exposed to practical exercises	**14**	**2**	**4**	**1**	**0**	**4.38**
I have better understanding of concepts, theories and skills during my Internship	**14**	**4**	**1**	**1**	**1**	**4.38**
The Level of the module course is	**8**	**8**	**4**	**1**	**0**	**4.09**
The work I performed are challenging and stimulating	**12**	**5**	**2**	**1**	**1**	**4.23**
This Internship help me to grow professionally	**15**	**4**	**1**	**1**	**0**	**4.57**
I would recommend this Internship to other students in future	**15**	**2**	**2**	**1**	**1**	**4.38**
						4.33

Name of Module: TV & Motherboard
No. of students: 07
Faculty Coordinators: Dr. Sarthak Singhal (Electronics Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	4	2	1	0	0	4.42
The lecture sequence was well planned	2	3	1	1	0	3.85
The teaching aids effectively used	1	5	1	0	0	4.00
The course exposed to practical exercises	2	3	1	1	0	3.85
I have better understanding of concepts, theories and skills during my Internship	2	2	2	1	0	3.71
The Level of the module course is	3	3	1	0	0	4.28
The work I performed are challenging and stimulating	0	5	1	1	0	3.57
This Internship help me to grow professionally	2	3	1	1	0	3.85
I would recommend this Internship to other students in future	2	3	1	1	0	3.85
						3.93

Name of Module: User Interface Design
No. of students: 20
Faculty Coordinators: Prof. Amit Manjhvar (CSE/IT)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	4	7	2	2	5	3.15
The lecture sequence was well planned	4	8	2	3	3	3.35
The teaching aids effectively used	3	7	4	3	3	3.20
The course exposed to practical exercises	3	10	2	1	4	3.35
I have better understanding of concepts, theories and skills during my Internship	3	8	3	0	6	3.10

The Level of the module course is	2	6	6	2	4	3.00
The work I performed are challenging and stimulating	3	9	6	1	1	3.60
This Internship help me to grow professionally	5	5	8	1	1	3.60
I would recommend this Internship to other students in future	5	8	2	2	3	3.50
						3.31

Name of Module: Utility of Heat transfer in process industry
No. of students: 04
Faculty Coordinators: Dr. Shailendra Kumar Pandey (Chemical Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	2	1	1	0	0	4.25
The lecture sequence was well planned	1	2	0	1	0	3.75
The teaching aids effectively used	1	1	1	0	1	3.25
The course exposed to practical exercises	1	3	0	0	0	4.25
I have better understanding of concepts, theories and skills during my Internship	1	1	1	0	1	3.25
The Level of the module course is	2	1	1	0	0	4.25
The work I performed are challenging and stimulating	1	1	1	0	1	3.25
This Internship help me to grow professionally	1	2	0	0	1	3.50
I would recommend this Internship to other students in future	2	1	0	0	1	3.75
						3.72

Name of Module: Web designing
No. of students: 29
Faculty Coordinators: Prof. Ram Pathak (MCA)

Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	15	12	2	0	0	4.44
The lecture sequence was well planned	13	6	8	1	1	4.00
The teaching aids effectively used	11	11	7	0	0	4.13
The course exposed to practical exercises	15	13	1	0	0	4.48
I have better understanding of concepts, theories and skills during my Internship	11	10	7	1	0	4.06
The Level of the module course is	4	15	7	1	2	3.62
The work I performed are challenging and stimulating	7	15	7	0	0	4.00
This Internship help me to grow professionally	12	11	4	0	2	4.06
I would recommend this Internship to other students in future	13	10	5	0	1	4.17
						4.11

Name of Module: Working model of water harvesting system
No. of students: 16
Faculty Coordinators: Prof. Nupur Verma (Civil Engineering)
Feedback Report:

	Excellent	V.Good	Good	Poor	V.Poor	Weighted sum
Module Coordinator clearly defines the goals at the beginning of the Internship	12	2	1	1	0	4.56
The lecture sequence was well planned	12	1	2	0	1	4.43
The teaching aids effectively used	11	4	0	0	1	4.50
The course exposed to practical exercises	10	2	4	0	0	4.37
I have better understanding of concepts, theories and skills during my Internship	11	3	1	0	1	4.43

The Level of the module course is	**7**	**4**	**4**	**0**	**1**	**4.00**
The work I performed are challenging and stimulating	**10**	**2**	**3**	**0**	**1**	**4.25**
This Internship help me to grow professionally	**10**	**3**	**2**	**0**	**1**	**4.31**
I would recommend this Internship to other students in future	**11**	**2**	**1**	**0**	**2**	**4.25**
						4.34

Summer Internship May-June 2019

Department has organized summer internship program for UG I year students on 30th May to 14th June 2019.

Two Week Summer Internship Programme – 2019

For

B.E/ B.Tech/BArch Students

For I Year : 30th May to 14th June 2019
For II Year: 1st June to 16th June 2019

MADHAV INSTITUTE OF TECH. & SCIENCE
WORK IS WORSHIP
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Organized by

Madhav Institute of Technology & Science
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to R.G.P.V. Bhopal, M.P)
www.mitsgwalior.in

ABOUT SUMMER INTERNSHIP

Internships are educational and career development opportunities, providing practical experience in a field or discipline. Following are the intended objectives of internship training

- Provide possible opportunities to learn, understand and sharpen the real time technical skills required at the job
- Get exposed to the current technological developments relevant to the subject area of training.
- Use the experience gained form the Internship in discussions held in the classrooms
- Create conditions conducive to quest for knowledge and its applicability on the job.
- Learn to apply the Technical knowledge in real life situations.
- Gain experience in writing reports in Technical works/projects.
- Expose students to the engineer's responsibilities and ethics
- Soft Skills

ORGANIZING COMMITTEE

Patron
Er. Ramesh Agrawal — Ex MLA and Secretary, Scindia Engineering College Society

Chairman
Dr. R.K.Pandit — Director

Coordinator
Dr. Rajeev Kansal — Professor, Department of Civil Engineering

Co-Coordinator I Year
Prof.Praveen Bansal — Assistant Professor ,EED

Co-Coordinator II Year
Dr.Sanjeev Khanna — Assistant Professor, Humanities

ELIGIBILITY

Students pursuing I & II Year BE/BTECH in any branch of Engineering & BArch from recognized Academic Institutions/ Universities
Note: Seats are limited to 50 (Fifty) in each module

VENUE

Respective departments of MITS , Gwalior

ABOUT THE INSTITUTE

Madhav Institute of Technology & Science, Gwalior was established in 1957 by His Highness Late Sir Jiwaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior. The foundation stone of the Institute was laid by Late Dr. Rajendra Prasad, on 20th October, 1956 and the building was inaugurated by Late Dr. S. Radhakrishnan on 11th December, 1964. The president of India, Dr. Pratibha Devisingh Patil graced the Golden Jubilee Celebrations of the Institute as Chief Guest on 30th June, 2008.

The Institute has a campus of around 45 acres. The Institute offers education in eleven undergraduate programmes and twenty one PG programmes. The prime objective of the Institute is to provide quality technical education at undergraduate and postgraduate levels. Recently the Institute is also funded by World Bank under TEQIP-III to strengthen the quality of technical education.

RESOURCE PERSONS

The various sessions of this internship program will be conducted by faculty members of MITS Gwalior and experts from industries.

INTERNSHIP MODULES

Modules offered for I Year (BE/BTECH/BArch)

1. Civil Engineering Department

- Use of Modern Surveying techniques in survey works
- In-house testing of Engineering Materials
- Developing concepts of smart village through model
- Learning of computational methods in Civil Engineering using MATLAB
- Plumbing Work

2. Mechanical Engineering Department

- Conventional Machines
- Introduction to AUTOCAD for Engineering application
- Mechanical testing and measurement
- Dismantling & assembly of two stroke & four stroke engine

3. Electrical Engineering Department

- Designing and Modelling of Electrical Components
- Designing and Modelling of Electronics Components
- Introduction to MATLAB programming for Engineers
- Electricity usage for domestic and Industrial application
- Hands on training for Image processing using MATLAB
- Introduction to Solar PV array & application using Power Electronics

4. Electronics Department

- Training on MATLAB
- Training on Digital Circuit Design
- Training on Electrical Circuit design using LT-Spice
- Training on Electrical Measuring Instruments

5. CSE & IT Department

- Front end web developer
- Computer Hardware and Networking
- Relational database using SQL
- Problem solving through programming
- Microprocessor & Interfacing techniques
- Google Services

6. Chemical Engineering Department

- Application of environmental biotechnology in chemical Engineering
- Utility of heat transfer in process industry
- Introduction to Analytical Instrument

7. Biotech Department

- Basics of Bioinformatics
- Basic tools of Molecular modelling
- Comparison of Water Quality collected from public place with standard quality parameters
- Commercial plant and Tissue culture techniques

8. Applied Science Department

- 3-D Scientific Photography
- Nano structured transition metal oxides for photo catalytic applications
- Statistical Methods
- Abstract algebra
- Detection and identification of contaminants using UV spectroscopy
- Analysis of Mixtures by using the Chromatographic Technique.

9. Architecture Department

- Earth Workshop (Raw & Rammed earth)
- Bamboo Workshop (Geodesic dome)
- Regenerative use of Scrap materials through sustainable approach

10. Entrepreneurship Development Cell (EDC)

- Entrepreneurship awareness programme
- Computer fundamentals with web concepts
- Basics of refrigeration & Air conditioning (RAC)

Modules offered for II Year (BE/BTECH/BArch)

- **Humanities Department**
  - **Soft Skills**

HOW TO APPLY/REGISTRATION

Interested students are required to apply online through link available on Institute Website www.mitsgwalior.in .It is required to upload the scanned copy of demand draft (DD) should be in favour of " **Director, MITS, Gwalior**" payable at Gwalior. The amount of DD should be as follows

I Year: Internship fee Rs. 2500/-
II Year: Internship fee Rs.3500/-

If accommodation in Institute Hostel(only for outside Gwalior students) is required then add an amount of **Rs.3500/- in DD** towards loading and boarding.

The print of online filled application form duly forwarded by HOD/Principle along with DD should be sent to following address latest by **20th May 2019:**

Director
Madhav Institute of Technology and science, Gwalior
Race Course Road, Gole ka Mandir, Gwalior - 474005,
Madhya Pradesh, India

Write in the top of envelope " Application for Summer Internship Programme 2019 (I/II Year) "

The selection is **on first come first served basis through registration online,** depending upon the availability of the seats. Selected participants will be informed by ***24th May 2019***

Registration charges are non-refundable for selected participants.

For any query mail on internship@mitsgwalior.in

DATES & TIMINGS

- For I Year : 30 May to 14 June 2019 (09:00-13:00)
- For II Year : 1 June to 16 June 2019(10:00-17:00)

Prof.Praveen Bansal
Assistant Professor
EED

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Glimpses of Summer Internship 2019

Designing and modeling of Electrical Components

Electricity usage for Domestic and Industrial application

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List of Modules Offered for Session May-June 2020

Module Number	Faculty coordinator	Module faculty coordinator	Module Name	Brief Description
1.	**Electrical Engineering department:** Prof.Rakesh Narvey & Prof.Himmat Singh	Prof. Nipun Gupta (9713433109) & Prof. Tarun Shrivastava	Designing and modeling of Electrical Components	Hands on training to design different loading arrangements, types of wiring, constructional view of measuring components, types of winding in AC and DC machines, prototype modeling of free energy , DC generators, domestic switch board and their wiring connections, series board , Inverter wiring, cable sizing etc.
2.		Prof. G K Naveen Kumar & Prof. Shailendra Pratap Singh	Designing and modeling of Electronics Components	Verify network concepts of Kirchhoff's Current & Voltage Law, design prototype model of Half wave and full wave rectifier circuits, Design of dual polarity DC power supply and theorems using bread board, Design logic gates and verify concepts in breadboard and Verification of addition, subtraction, multiplication, half adder and full adder using bread board and programming of addition, subtraction and division problem in hexadecimal numbers.
3.		Prof.Punjan Dohare & Prof. Rahul Sagwal	Introduction to MATLAB programming for Engineering applications	Introduction to MATLAB working with special matrices and toolboxes. Variables, arrays, conditional statements, loops, functions and plots will be discussed.
4.		Prof.Aprajita Kumari & Prof. Shweta Kumari	Electricity usage for Domestic and Industrial application	Construction features of tube light, bulb, ceiling fan, cooler etc their operation and load calculation, Basics of generation, transmission , distribution, different voltage levels, types of AC and DC distribution, Power generation capacity in INDIA and abroad & its

Prof.Praveen Bansal
Assistant Professor
EED

				geographical distribution, Domestic and Industrial load calculation and read electricity bill and tariff calculation
5.		Dr. Vikram and Prof. Bhavna rathore	Hands on Training on Signal/ Image Processing Toolbox in MATLAB	Signal processing operations • Basic signals and sequences representation such as unit sample, unit step, real and complex valued exponential, sinusoidal, random and periodic sequences. • Sampling and correlation of two sequences. • Difference equation and filters. • Transforms and their usefulness in electrical and electronics networks. Image Processing operations • Point operations and image representation. • Basic Image processing operations such as sharpness, contrast, negative, masking filtering and threshold. • Images, their histograms and histrogram normalization. • Extraction of meaningful information from the images, such as finding shapes, counting objects, identifying colours, measuring object size etc.
6.		Prof. Saurabh K.Rajput and Prof. Manoj Kumar	Introduction to Solar Photovoltaic and application of power Electronics switches in Solar Inverter	Hands on training of Solar Photovoltaic • Sun Earth angles, Types of radiation • Concept of Solar cell , Solar Module, Solar Array • Maximum power point tracking • Battery Sizing and load calculation

				Application of power electronics in solar technology • Power electronic switches and their operational characteristics. • Concept of Solar charge controller • Concept of solar Inverter
7.	**Civil Engineering department**: Prof. Deepak Rastogi	Prof. Shivam Gupta & Prof. Saurav Kakani	Use of Modern Surveying Techniques in Survey Works	This module will enhance the Student's skill by exploring their domain knowledge of Modern surveying in Civil Engineering. This training course shall cover both theoretical as well as practical aspects which help students to see the practical side of Civil engineering. In this module students will be exposed to various methods. The student will learn the basic principle of Surveying by using Total Station and GPS etc. They will be able to draw maps and ground features
8.		Prof. Nupur Verma & Prof. Nishi Gangwar	In-house Testing of Engineering Materials	In this module following Material testing shall be done: • Aggregate Testing • Concrete Field Testing • Concrete Strength Testing • Cement Testing • Soil Testing
9.		Prof. Pratibha Singh and Prof. Shivendra Singh Kushwaha	Understanding of Building and Structural Elements through Model Making	This module is designed to keep in mind the need of undergraduate students of engineering who have enthusiasm to learn the fundamental concept of Building and Structural Elements. This training course shall cover both theoretical as well as practical aspects which will help students to see the practical side of Civil Engineering. The main theme of module will be oriented around hands on exposure to basic concepts Pile and Raft Foundation, Different types of Bridges and their model making.

Prof.Praveen Bansal
Assistant Professor

10.		Prof. Almas Siddiqui & Prof. Chetan Sharma	Developing Concepts of Smart Village through Model	This module aims to provide knowledge to students about the concepts of Smart Village and thereby making working models of the smart village considering various Engineering, Economical and Sustainability Aspects.
11.		Dr. Sanjay Tiwari & Dr. Pankaj Kumar	Learning of Computational methods in Civil engineering using MATLAB	This module aims to provide hands on engineering applications of MATLAB for engineering UG students of I year. Following topics shall be included in the module: Session 1 shows how MATLAB is used in engineering and introduces a standard problem-solving methodology. Session 2 introduces the MATLAB environment and the skills required to perform basic computations. This Module also introduces M-files, and the concept of organizing code into cells. Doing so early in the text makes it easier for students to save their work and develop a consistent programming strategy. Session 3 details the wide variety of problems that can be solved with built-in MATLAB functions. Background material on many of the functions is provided to help the student understand how they might be used. • Session 4 demonstrates the power of formulating problems by using matrices in MATLAB and expanding on the techniques employed to define those matrices
12.		Prof. Mohit Aggarwal & Prof. Shashank Sharma	Plumbing Work	In this introductory plumbing class, students learn about the scientific underpinnings of plumbing. The module covers drainage, sewer and vent pipe systems and gives an overview of plumbing codes. Beginner-level plumbing classes like this one have no prerequisites

13.	**Mechanical Engineering Department:** Dr.Amit Ahirwar & Prof.Vaibhav Shivhare	Prof. Kapil Tyagiv & Prof. Kostubh Khot Mr. Bharat sakwar (for hands on training in workshop)	Conventional machine	The students will have to go through the various Conventional Machines and understand its different components and then perform various operations on the same
14.		Dr. Dharmendra Jain Prof. K.K. Yadav	Dismantling & assembling of two strokes & four Stroke Engine.	Hands on experience of dismantling and assembling of two stroke and four stroke engine. Practical session with theory classes will be arranged for the awareness of advance automotive technologies being used.
15.		Prof. Shubham shrivastav & Prof. Sumit Singh	Repair and maintenance of a vehicle.	Hands on experience of repair and maintenance of vehicle, along with the practical session some theory classes will also be arranged for the awareness of basics of automotive technologies being used.
16.		Prof. Utkarsh & shrivastava Prof. Dhruv Maggu	Introduction to Auto CAD for Engineering Applications	The students will be introduced to the principles and practices of Computer-aided Drafting.
17.		Prof. Ajay Rajput & Dr. Naresh Raghuwanshi	Mechanical Testing and Measurement	Performance of different mechanical tests on materials such as Tensile Test, Impact Testing, Hardness Testing, and Fatigue Test etc. The students will have to go through the various engineering measuring Instruments and understand its applications
18.	**Electronics Engineering Department:** Prof.Deepak Batham &	Dr. Vikas Mahor and Prof. Rakesh Naik	Training on PCB Designing & Circuit Wizard	To provide hands-on experience in PCB circuit design using software and to familiarize with PCB fabrication process. To provide hands on experience in assembly and testing of electronics circuit.
19.		Dr. Ashish Gupta, and Prof. Deepak Batham	Training on MATLAB	Hands on training on MATLAB include writing of code in MATLAB as well as designing of circuit.

20.	Prof.Arun Chauhan	Prof. Aruna Chauhan, and Prof. Santosh Sharma	Training on Digital Circuit Design	To provide hands on experience in digital circuit design using bread board. To provide hands on experience in assembly and testing of digital circuits.
21.		Prof. Chaitanya Dhopte, and Prof. Arpita Singhal	Training on Electrical Circuit Design using LT-Spice	To provide hands on experience in electrical circuit design using bread board. To provide experience in assembly and testing of electrical circuit.
22.		Prof. Praveen Kumar Singh	Training on Electronics Measuring Instruments	To provide state-of-art training on electronics measuring instruments And, to understands working and applications of measuring instruments.
23.		Prof. Saurabh Singh Raghuvanshi	Python for Engineers	This module is targeted to provide basic understanding of Python language. Moreover, Scientific and numerical applications will also be explore.
24.	**CSE & IT Department :** Prof.Vikas Sejwar & Prof.Abhilash Sonkar	Mr. Lav Upadhyay	Front End Web Developer	• Design dynamic website using HTML5, CSS and Advanced JavaScript • Apply the principles and tools that are used to develop Web applications • Implement jQuery, AngularJS and Bootstrap in web pages
25.		Mr. Dheeraj Gurjar	Computer Hardware & Networking	• Demonstration of operating system installation and hardware configuration. • Demonstration of networking devices and IP addressing for communication and connection of internet. • Simulation and study of network using different networking tools.
26.		Ms. Pooja Agrawal	Internet of Things (IoT)	• Acquire fundamental knowledge of networking, sensors and actuators. • Develop an understanding of IoT-based applications such as agriculture, innovative

				shopping system, infrastructure management, remote health monitoring and emergency notification systems, and transportation systems • Demonstration of acquired knowledge using hardware and software tools like Arduino, Raspberry Pi.
27.		Ms. Shivangi Garg	Relational Database Using SQL	• Demonstrate an understanding of the elementary & advanced features of DBMS & RDBMS • Develop a clear understanding of the conceptual frameworks and definitions of specific terms that are integral to the Relational Database Management System • Examine techniques pertaining to Database design practices using SQL Commands
28.		Mr. Sheo Kumar	Problem Solving Through Programming	• Introduction to basic programming concepts • Develop problem solving skills helpful for solving programming problems in projects and academics. • Develop thinking capability in students towards real time problems and game development.
29.		Mr. Mir Shahnawaz Ahmad	Python Programming With Applications To Machine Learning	• Basic Programming concepts using python. • Object oriented programming concepts using python. • Concepts of machine learning and its implementations in python and R.
30.	**CSE & IT Department**	Mr. Mahesh Parmar	Android Based Application Development.	• Build and deploy Android application. • Understand the operation of the application, application lifecycle, configuration files, intents, and activities. • Understanding of the UI - components, layouts, event handling, and screen orientation.

31.		Mr. Vikas Sejwar	Microprocessor & Interfacing Techniques	• To interpret, analyze, verify and troubleshoot microprocessor circuits and interfacing using appropriate techniques and test equipment.
32.		Mr. Abhilash Sonkar	Google Services	• Managing, Sharing, Analyzing, Distribution of data using various Google services.
33.	**Chemical Engineering** department: Prof.Sulochana Nagar	Prof. Arti Sahu & Prof. Sulochana Nagar	Utility of Heat Transfer in Process Industry	This module helps to provide the fundamentals of heat transfer and working of equipments for industrial process. Types of various heat transfer process. Theory and working of heat transfer equipments such as heat exchangers and condensers.
34.		Prof. Sachin R. Geed & Dr. Kulbhushan Samal	Application of Environmental Biotechnology in Chemical Engineering	This module helps to know the application of environmental biotechnology in chemical engineering Now a day's environmental pollution is big issue keeping this fact in mind we plan to design this module. This also gives the brief information on types of the bio-filter, bioreactors and integrated systems used to clean up the environmental pollutants. The laboratory experiments on water and wastewater characteristics (COD, BOD, DO, etc.) give the knowledge about water pollution.
35.		Dr. Antaram N. Sarve	Introduction to Analytical Instruments	Analytical measurements are required in a wide range of fields beyond the chemical industry such as biochemistry and the pharmaceutical industry, environmental sciences, forensic sciences, and the food industry amongst others. The module will provide an introduction into the fundamentals of chemical analysis, including an understanding of some of the most important analytical techniques today.
36.		Dr. Sunita Sharma & Prof. Vishal Ranjan	Comparison of water quality collected from public place with the standard water quality parameters	This in-house training program aims at investigating the physical, chemical and biological water quality parameters from the water dispensors installed at public places. The results will be compared to established

	Biotech Department: Dr.Sunita Sharma			drinking water standards and frame guidelines to trace following compliance; (1) safeguard consumers from possible chemical and microbial contaminants which may occur in water suppliers, (2) set recommendations for proper maintenance and cleaning measures, and (3) increase awareness and confidence in the quality of water consumed.
37.		Prof. Rahul Anand	Basic tools of Molecular Modelling	This module aims to provide hands on training for simulating, predicting and analyzing molecular structures of biomolecules using classical mechanics and electrostatics *in-silico.* This training will fulfill the pre requisite required for advance courses like computer aided drug design and computational biology.
38.		Prof. Vinod Kumar Jatav	Basics of Bioinformatics	This module focuses to provide basic information on application of information technology in analysis of biological data. Storage and retrieval of biological data for carrying out various analytical studies, sequence similarity between DNA, protein sequence and its analysis, protein structure prediction, protein structure validation, visualization, will be covered in the course. This module will lay foundation to understand in depth mechanism involved in various life processes.
39.		Dr. Radhika, R. and Prof. Shikha Jha	Commercial Plant Cell and Tissue Culture Techniques: A biotechnological tool for the conservation of natural resources	Plant tissue culture is an applied biotechnological tool for mass propagation, virus elimination, secondary metabolite production and *invitro* cloning of plants. The pioneer plant tissue culture method has been the demonstration for several decades in the production of totipotent plant species. The entire plant system from any type of explants, small tissue or plant cells can be developed in an appropriate culture medium under controlled environment. To attest the plant tissue culture technique, conservation of recalcitrant or

				dormant plant species are also highly possible by this method when compared to that of conventional methods of conservation. This universal and unique commercial plant tissue culture technology has been widely inculcated in the area of agriculture, horticulture, forestry and plant breeding for large-scale multiplication of plants. Moreover, this technology is referred to as an alternative technology for the utilization and conservation of natural plant resources or species without deteriorating the existing plant system available in the field for the benefits of human welfare.
40.	**Applied Science department**: Dr.Prachi Sharma	Dr. Anjula Gaur	Detection and identification of contaminants using uv spectroscopy.	This internship is about to educate students, the theoretical as well as the practical knowledge of UV-Visible spectrophotometer. It aims to provide the practical importance of this spectroscopic technique and make the students able to use it for detecting the contamination in various industrial influents. At the end of the training programme, students would be familiar with working on spectrophotometer in various aspects. Lectures, assignments and hands on experiment would be covered in this course.
41.		Dr. Hansnath Tiwari	Analysis of Mixtures by using the Chromatographic Technique.	This internship is about the chromatographic separation and its application. It aims to provide the practical realization of working with chromatography technique such as TLC and Paper chromatography. At the end of the training programme, students will be able to express the working of chromatographic technique with respect to the industrial approach. Lectures assignments and hands on experienced would be covered in this course.

42.	**Applied Science department**: Dr.Prachi Sharma	Dr. Prachi Sharma	Laser Technology	This internship is about the LASER system and its applications. It aims to provide students the practical realization of working with He-Ne LASER. At the end of the program/training, student will be able to express the working of a Hologram with respect to the engineering application, with the help of He-Ne LASER
43.		Prof. Deobrat Singh	Nano structed transition metal oxides for photo catalytic applications	The projects aims at synthesizing new nano structed transition metal oxides by employing suitable synthetic methods. The oxides will be characterized by powder X-ray diffraction, UV-vis DRS, FT-IR, Raman, Field-emission scanning electron microscopy, transmission electron microscopy, surface area analysis etc.
44.		Dr. Ashish Verma & Prof. Jitendra Muthele	Statistical Methods	Measures of Central Tendency, Measures of distribution, Skewness, Kurtosis Measures of dispersion and Standard deviation. Moments, Moments generating function, Correlation and Regression for signal and multi variables, Distributions function and Probability density function, Central Limit Theorem. **B**asic concepts of probability, Probability distribution, discrete and continuous. Probability distributions some special distribution, compound probability, conditional Probability, Baye's theorem. Testing of Hypothesis, Origin of the theory of sampling, chi-square (χ^2) distribution, the t-distribution, Fisher's Z-distribution, student-distribution.

45.		Prof. Angad Singh Ojha & Dr. Ashish Verma	Abstract Algebra	Groups and sub-groups and its properties, Sylows First, Second and Third Theorems, p-Sylow Subgroups, Double Costs Conjugate Groups, Normal and Subnormal Series, Composition Series, Jordan Holder Theorem, Solvable Groups, Comutator Subgroups. Modules, Cyclic Modules, Simple Modules, Finitely Generated Modules, Fundamental Structure Theorem for Finitely Generated Modules. Field Theory, Extension Fields, Algebraic Extensions, Normal Extensions, Simple Extension, Splitting Fields, Canonical Forms, Similarity of Linear Transformations, Invariant Subspaces, Nilpotent Transformations.
46.	**Entrepreneurship Development cell** : Prof.Prabhkar Sharma	Dr.Prabhakar Singh Bhadouria (EDC)	Entrepreneurship Awareness Programme	Introduction of Entrepreneurship ;Objectives and Scope of Entrepreneurship; Types of Industries; Forms of Business Ownership; Role of Management; Sources of Finance; Role of Govt. Department/Agencies; Taxation and Documentation; Sales & Marketing; Industry Standards; Selection of Business & DPR
47.		Mr.Akshat Agrawal (EDC)	Computer Fundamentals with Web Concepts	Introduction to Computers – Von Neumann Architecture; Hardware Components of a Computer System; Software Concepts: System and Application Software; Operating System Concepts – Windows Installation and Un-installation of Software's; Microsoft Office 2007; Internet Concepts – Client Server Paradigm; Hyper Text Mark Up Language Concepts; Hyper Text Mark Up Language Concepts; World Wide Web Concepts
48.		Er.Satish Sharma (EDC)	Basics of Refrigeration and Air Conditioning (RAC)	Introduction to Refrigeration ;Basics of Electricity and Electronics; Air Conditioning System; Refrigeration &

				Air Conditioning Machines; Components of RAC Machines - Compressor; Components of RAC Machines – Condenser; Components of RAC Machines - Evaporator; Components of RAC Machines – Expansion Valves; Refrigerants; Service Tools for RAC;RAC Safety Methods; Identifying the problem in RAC Machines; Servicing of RAC Machines
49.	Department of Architecture Dr.S.S Jadon	Ar.Priya Gupta Ar.Shefali Yadav	Earth Workshop (Raw and Rammed earth)	Aim is to build walls with both traditional raw earth construction (wattle and daub technique) and modern stabilized techniques.
50.			Bamboo Workshop (Geodesic dome)	Students will receive knowledge and skills as well as awareness of and practice in utilizing technologies that use bamboo, possibly in combination with other materials, and that help to conserve the environment.
51.			Regenerative use of Scrap materials through sustainable approach.	Through this workshop, the students will be able to explore various aspects of sustainable living.

List of registered students in Modules:

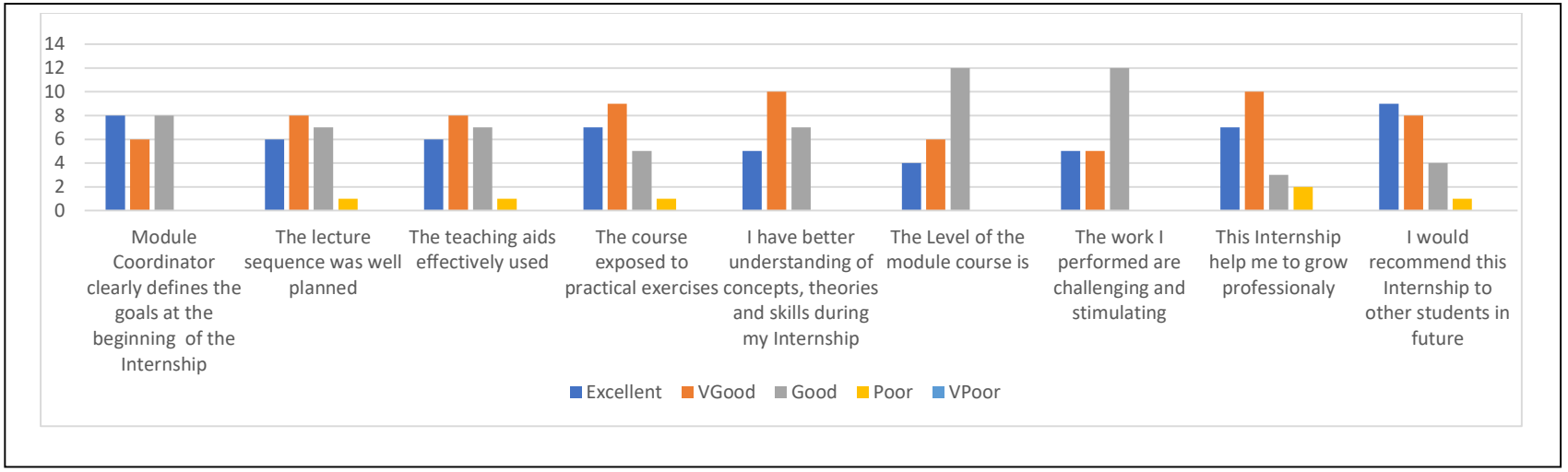
1	Understanding of Building and Structural Elements through Model Making	50
2	Repair and maintenance of a vehicle.	50
3	Training on PCB Designing & Circuit Wizard	50
4	Internet of Things (IoT)	50
5	Python Programming With Applications To Machine Learning	50
6	Android Based Application Development.	50
7	Python for Engineers	50
8	Designing and modeling of Electrical Components	48

9	Introduction to Auto CAD for Engineering Applications	42
10	Dismantling & assembling of two strokes &four Stroke Engine.	41
11	Problem Solving Through Programming	38
12	Front End Web Developer	37
13	Use of Modern Surveying Techniques in Survey Works	34
14	Training on MATLAB	32
15	Computer Hardware & Networking	22
16	Introduction to Analytical Instruments	21
17	Introduction to MATLAB programming for Engineering applications	19
18	Bamboo Workshop(Geodesic dome)	17
19	In-house Testing of Engineering Materials	16
20	Utility of Heat Transfer in Process Industry	16
21	Entrepreneurship Awareness Programme	15
22	Designing and modeling of Electronics Components	13
23	Electricity usage for Domestic and Industrial application	11
24	Hands on Training on Signal/ Image Processing Toolbox in MATLAB	11
25	Conventional machine	11
26	Earth Workshop(Raw and Rammed earth)	11
27	Introduction to Solar Photovoltaic and application of power Electronics switches in Solar Inverter	10
28	Google Services	9
29	Training on Digital Circuit Design	7

Summer Internship Feedback of UG I Year Students :2019

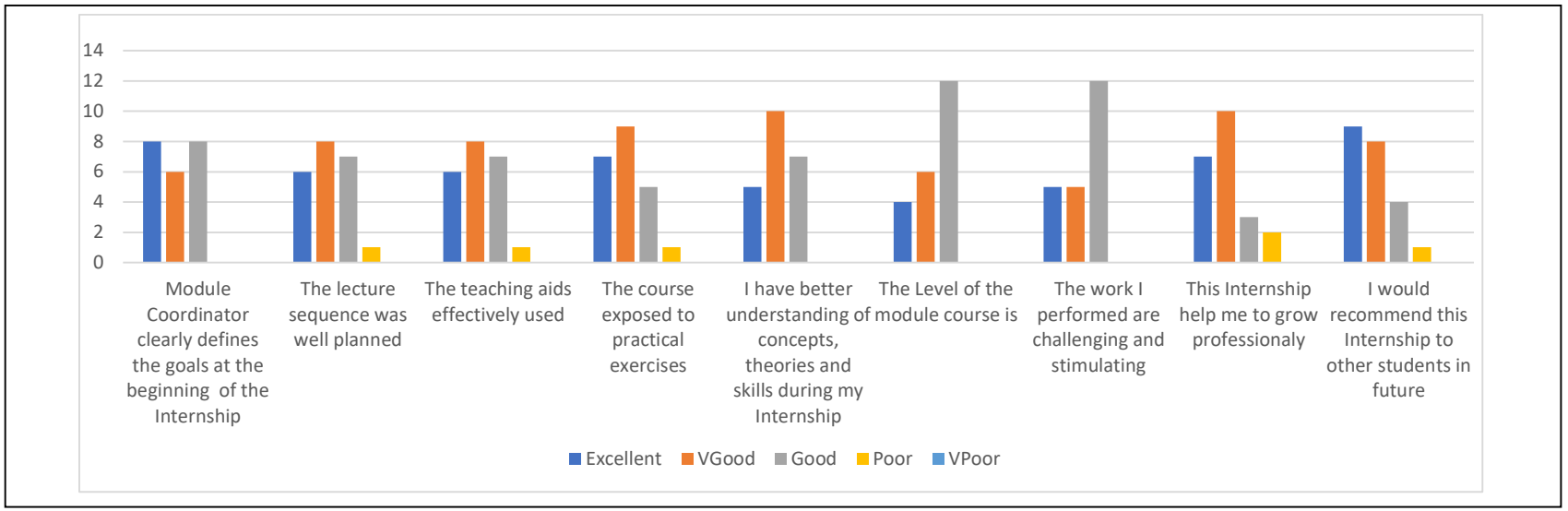
Department	Computer Science and Engineering
Name of Module	Computer Hardware & Networking
Name of Faculty Coordinators	Prof.Dheeraj Gurjar

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	8	6	6	7	5	4	5	7	9
VGood	6	8	8	9	10	6	5	10	8
Good	8	7	7	5	7	12	12	3	4
Poor	0	1	1	1	0	0	0	2	1
VPoor	0	0	0	0	0	0	0	0	0
	4.0	3.9	3.9	4.0	3.9	3.6	3.7	4.0	4.1
Average	**3.9**								



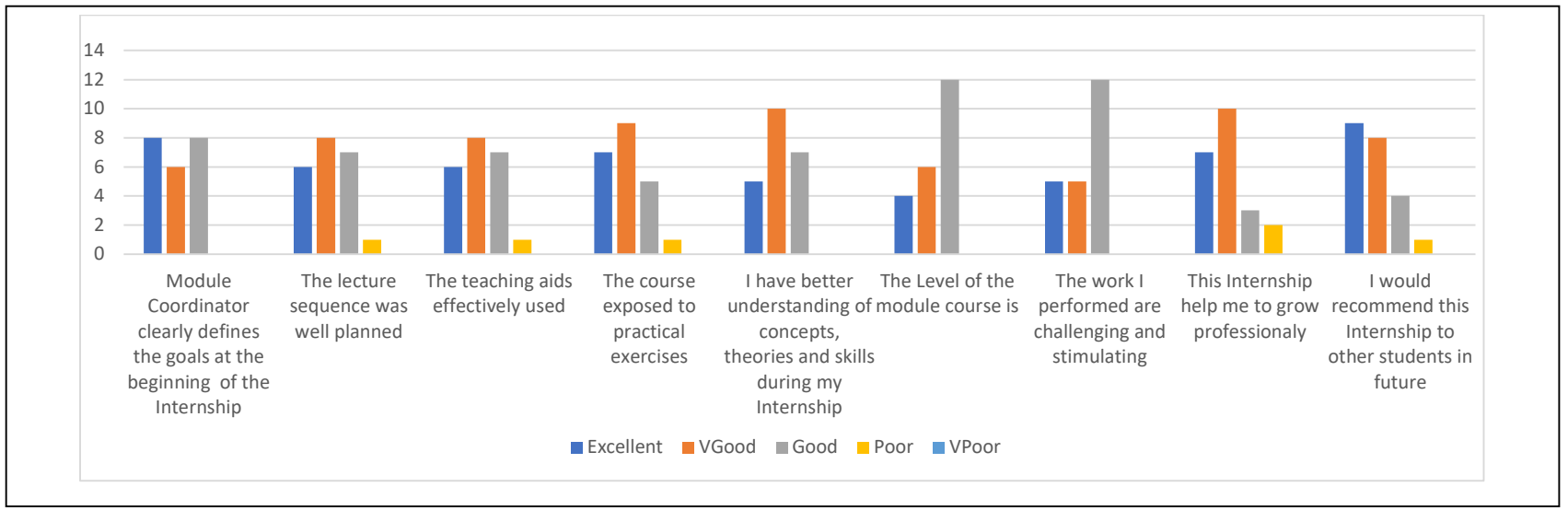
Department	Electrical Engineering
Name of Module	Designing and modeling of Electrical Components
Name of Faculty Coordinators	Prof.Nipun Gupta & Prof.Tarun Shrivastava

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	28	24	19	28	23	15	17	17	20
VGood	7	10	12	8	9	15	15	16	10
Good	3	3	7	1	2	7	5	3	6
Poor	0	1	0	1	3	2	2	2	2
VPoor	1	1	1	1	2	0	0	1	1
	4.6	4.4	4.2	4.6	4.2	4.1	4.2	4.2	4.2
Average	4.3								



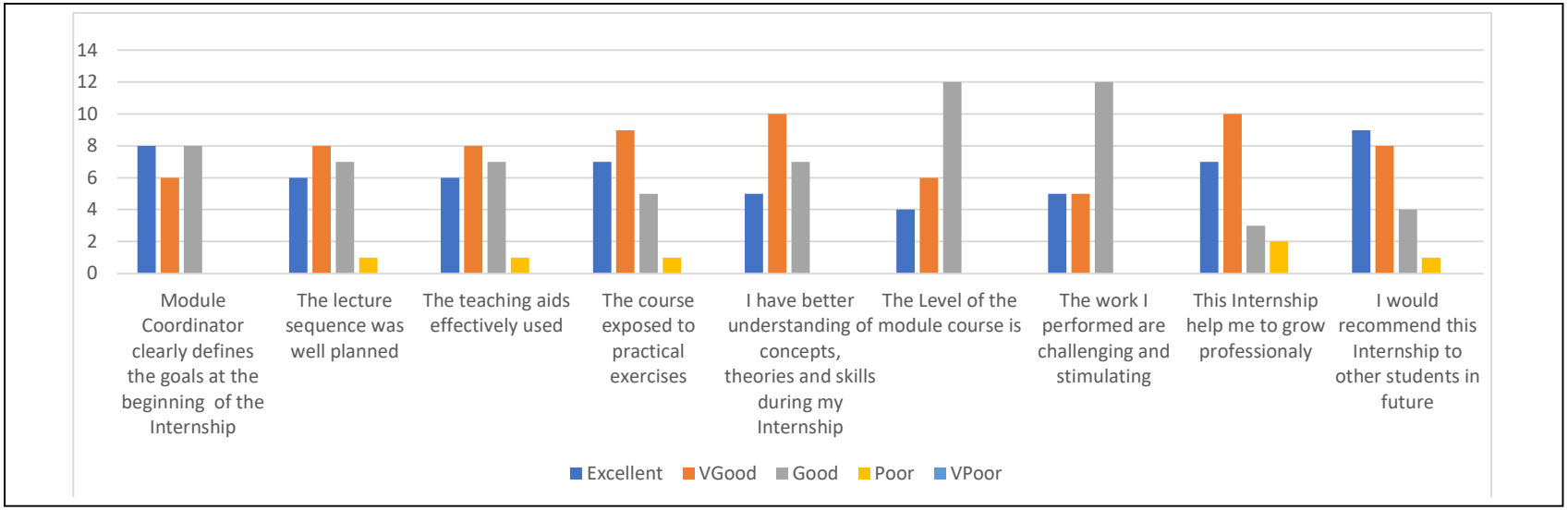
Department	Mechanical Engineering
Name of Module	Dismantling & assembling of two strokes & four Stroke Engine.
Name of Faculty Coordinators	Dr. Dharmendra Jain & Prof. K.K. Yadav

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	12	11	11	19	15	8	8	15	15
VGood	12	14	15	12	10	10	16	9	9
Good	10	7	7	5	11	16	9	8	9
Poor	4	6	4	3	3	5	5	6	3
VPoor	1	1	2	0	0	0	1	1	3
	3.8	3.7	3.7	4.2	3.9	3.5	3.6	3.8	3.8
Average	**3.8**								



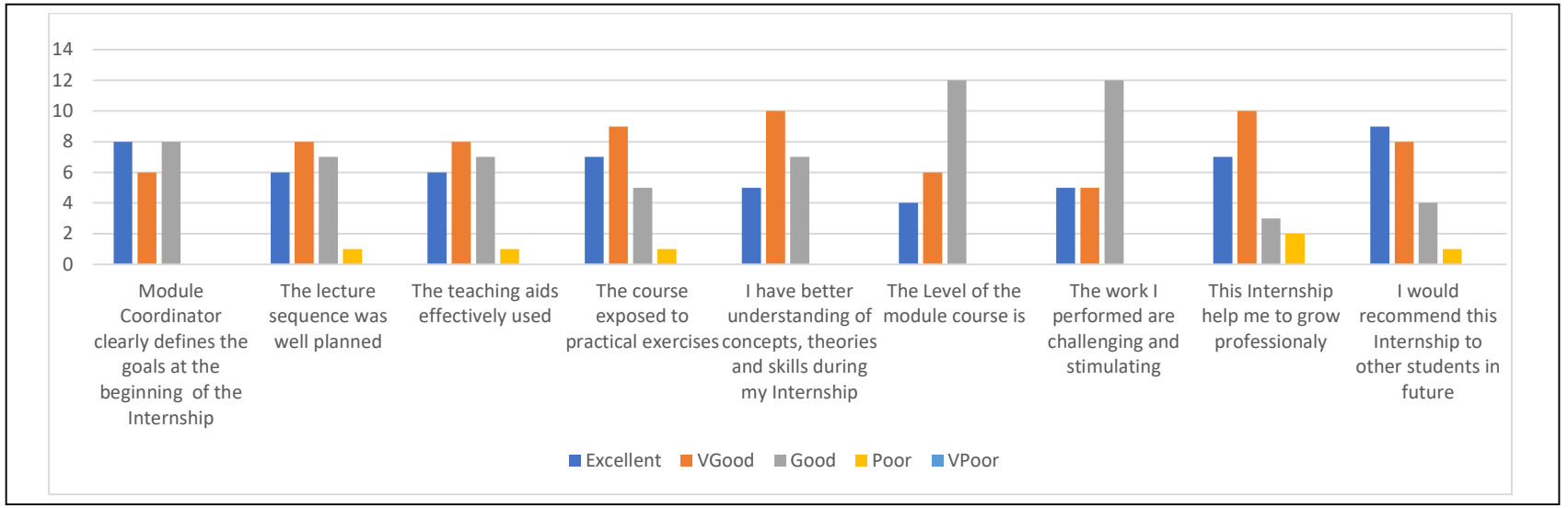
Department	Electrical Engineering
Name of Module	Designing and modeling of Electronics Components
Name of Faculty Coordinators	Prof. G K Naveen Kumar & Prof. Shailendra Pratap Singh

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	7	2	3	7	4	4	4	4	3
VGood	3	7	6	3	6	4	4	7	6
Good	2	3	3	2	2	5	5	2	3
Poor	0	0	1	0	1	0	0	0	1
VPoor	2	2	1	2	1	1	1	1	1
	3.9	3.5	3.6	3.9	3.8	3.7	3.7	3.9	3.6
Average	**3.8**								



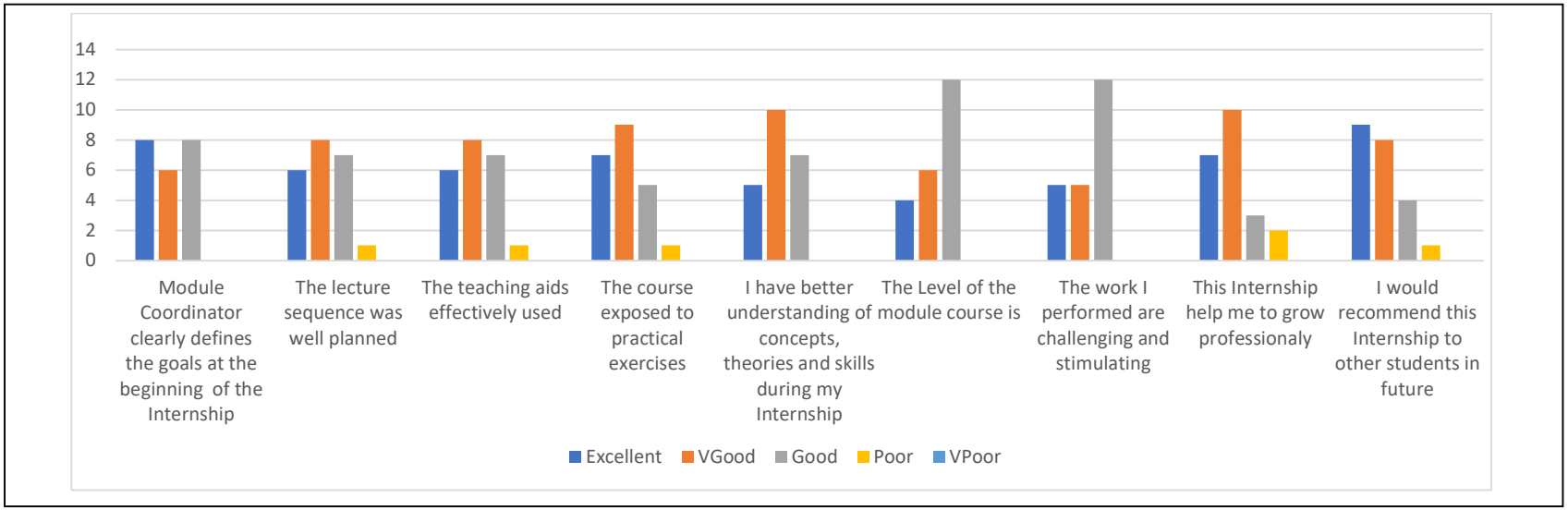
Department	Electrical Engineering
Name of Module	Electricity usage for Domestic and Industrial application
Name of Faculty Coordinators	Prof.Aprajita Kumari & Prof. Shweta Kumari

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	5	5	3	5	4	2	4	5	4
VGood	1	1	3	2	3	5	2	3	2
Good	3	3	4	2	2	3	4	2	4
Poor	1	0	0	1	0	0	0	0	0
VPoor	0	1	0	0	1	0	0	0	0
	4.0	3.9	3.9	4.1	3.9	3.9	4.0	4.3	4.0
Average	**4.0**								



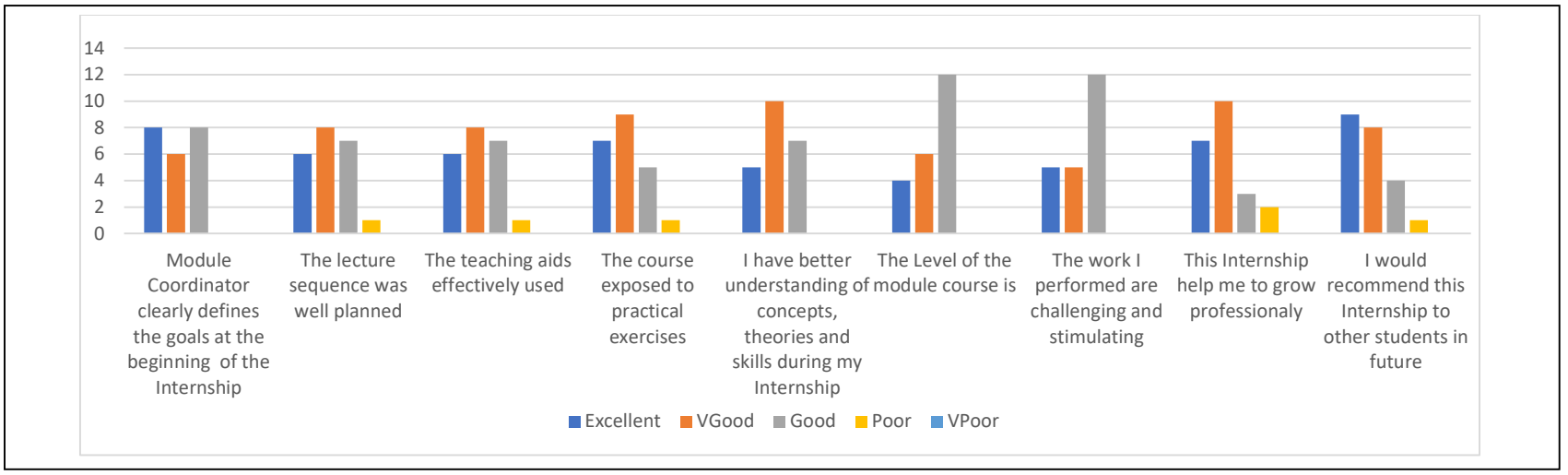
Department	Entrepreneurship Awareness Programme(EDC CELL)
Name of Module	Entrepreneurship Awareness Programme
Name of Faculty Coordinators	Dr.Prabhakar Singh Bhadouria

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	5	2	3	3	4	2	2	3	4
VGood	1	1	2	1	2	3	2	3	1
Good	0	2	1	1	0	1	2	0	1
Poor	0	0	0	1	0	0	0	0	0
VPoor	0	1	0	0	0	0	0	0	0
	4.8	3.5	4.3	4.0	4.7	4.2	4.0	4.5	4.5
Average	**4.3**								



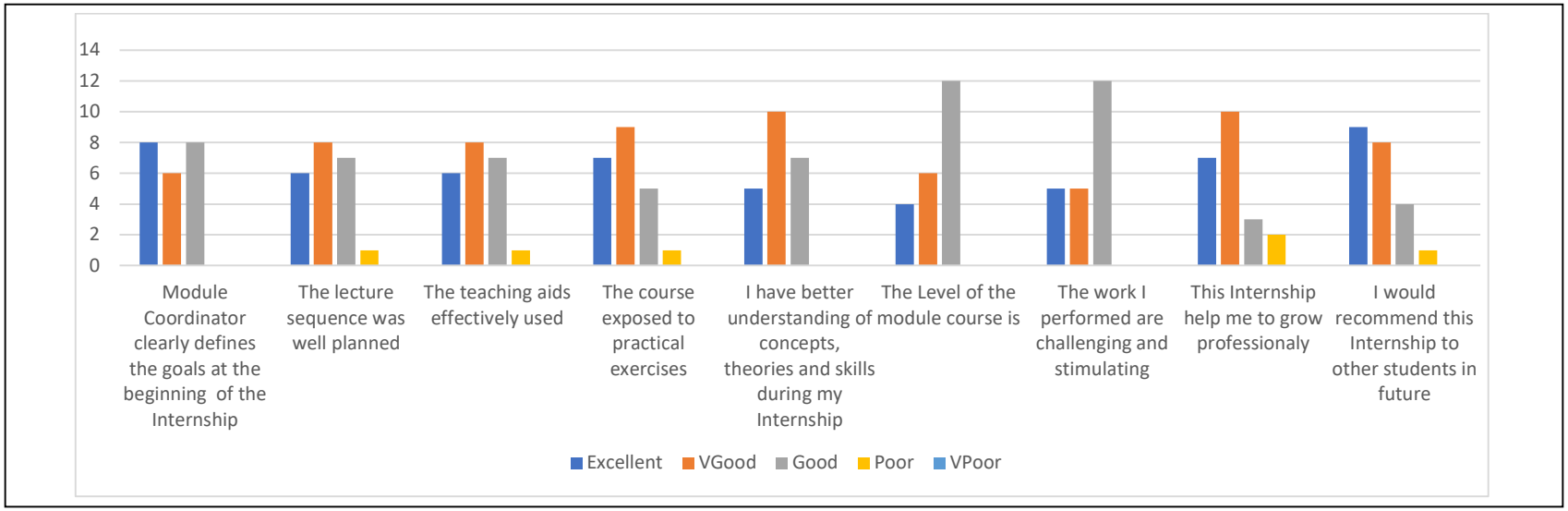
Department	Computer Science & Engineering
Name of Module	Google Services
Name of Faculty Coordinators	Mr. Abhilash Sonkar

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	3	1	1	2	2	0	2	3	2
VGood	3	4	2	4	2	1	2	1	1
Good	0	1	3	0	2	5	2	2	3
Poor	0	0	0	0	0	0	0	0	0
VPoor	0	0	0	0	0	0	0	0	0
	4.5	4.0	3.7	4.3	4.0	3.2	4.0	4.2	3.8
Average	**4.0**								



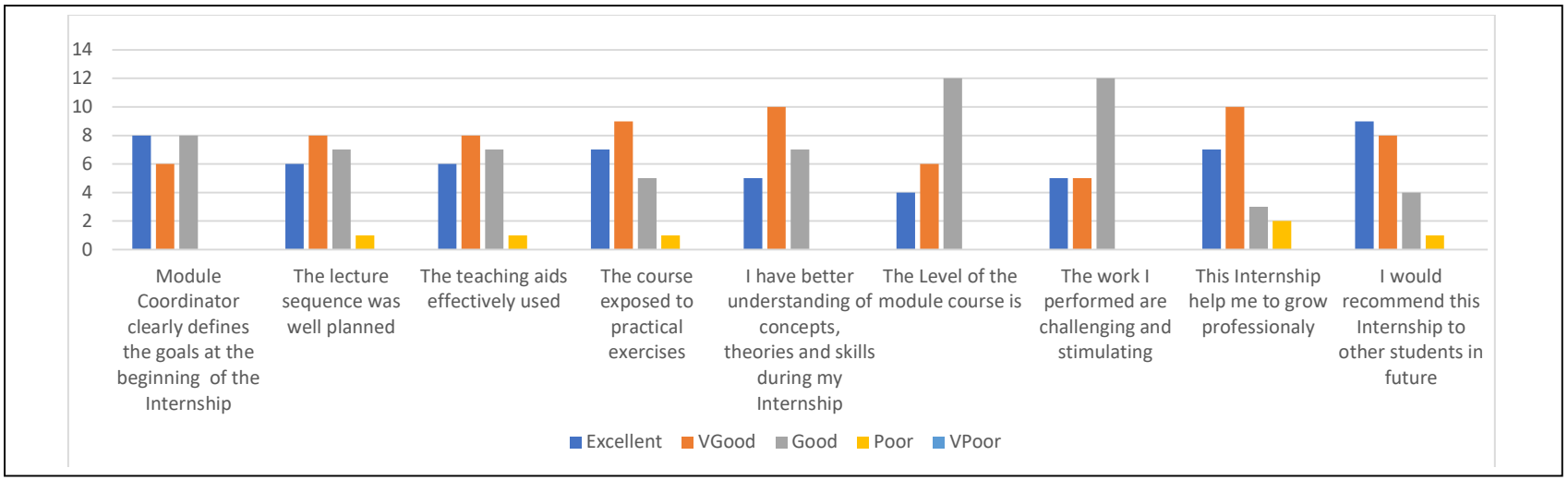
Department	Mechanical Engineering
Name of Module	Introduction to Auto CAD for Engineering Applications
Name of Faculty Coordinators	Prof. Utkarsh & shrivastava & Prof. Dhruv Maggu

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	23	20	20	23	23	9	14	18	22
VGood	10	11	13	12	10	17	15	11	9
Good	5	4	3	2	3	9	6	7	5
Poor	0	3	2	1	2	2	3	2	2
VPoor	0	0	0	0	0	1	0	0	0
	4.5	4.3	4.3	4.5	4.4	3.8	4.1	4.2	4.3
Average	**4.3**								



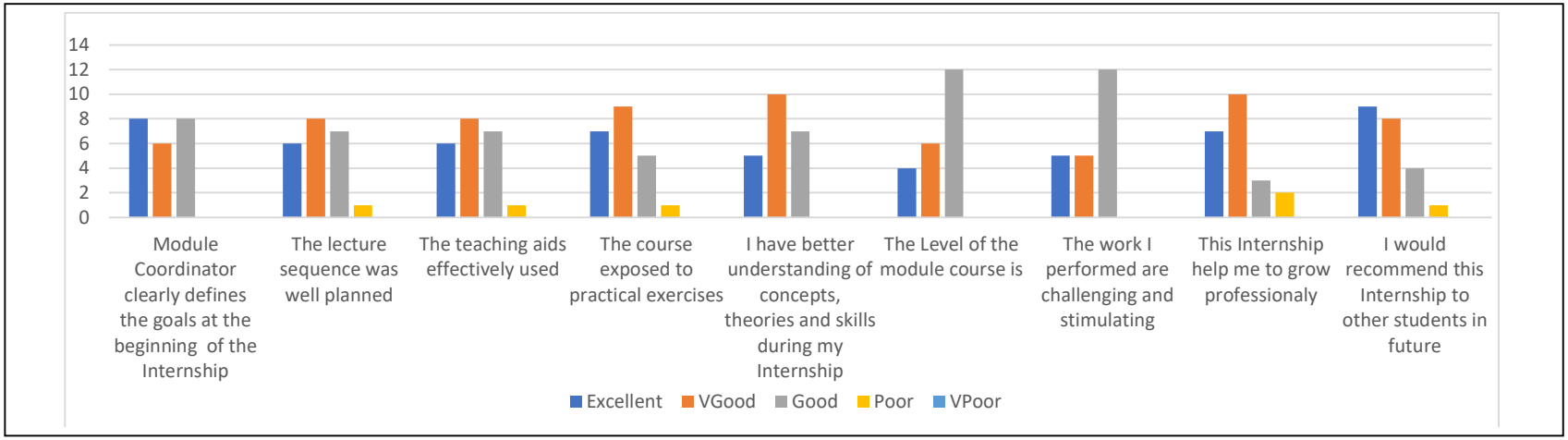
Department	Electrical Engineering
Name of Module	Introduction to MATLAB programming for Engineering applications
Name of Faculty Coordinators	Prof.Punjan Dohare & Prof. Rahul Sagwal

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	11	11	10	10	9	3	5	7	9
VGood	7	5	5	6	6	7	9	8	6
Good	1	3	3	2	4	10	5	2	1
Poor	1	1	1	2	1	0	1	3	1
VPoor	0	0	1	0	0	0	0	0	3
	4.4	4.3	4.1	4.2	4.2	3.7	3.9	4.0	3.9
Average	**4.1**								



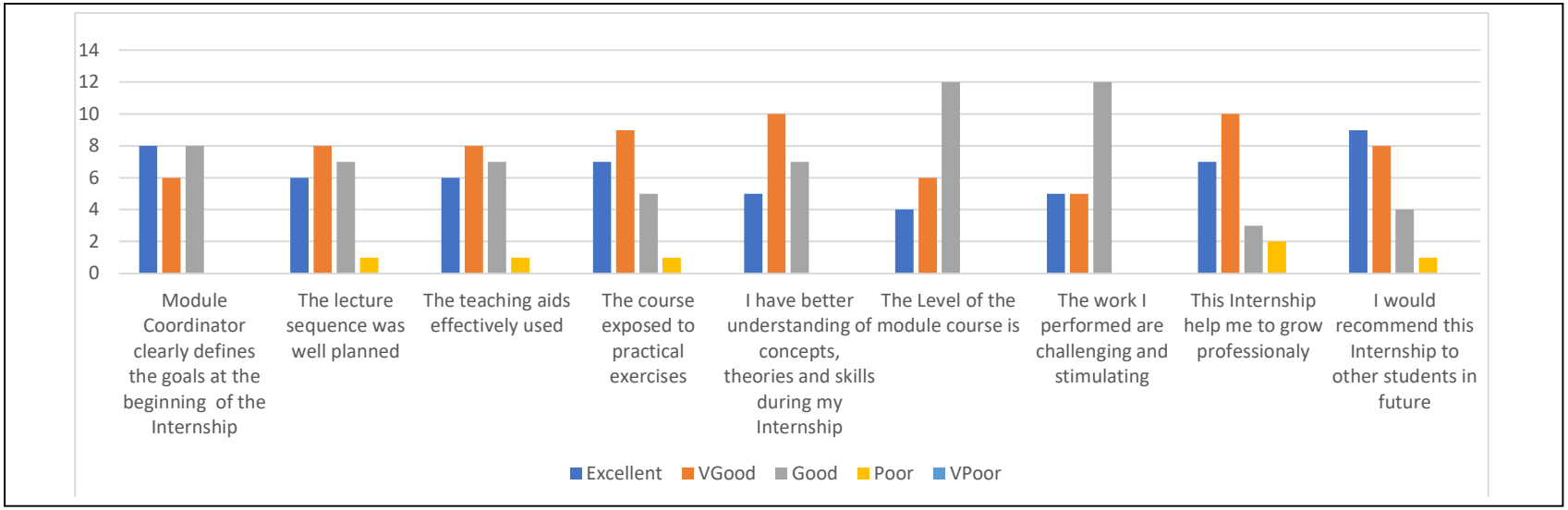
Department	Computer science & Engineering
Name of Module	Problem Solving Through Programming
Name of Faculty Coordinators	Mr. Sheo Kumar

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	7	2	2	8	7	3	4	6	4
VGood	8	8	10	7	6	5	10	5	7
Good	2	5	3	2	3	9	4	5	2
Poor	2	3	1	2	1	1	1	3	1
VPoor	0	1	3	0	2	1	0	0	5
	4.1	3.4	3.4	4.1	3.8	3.4	3.9	3.7	3.2
Average	**3.7**								



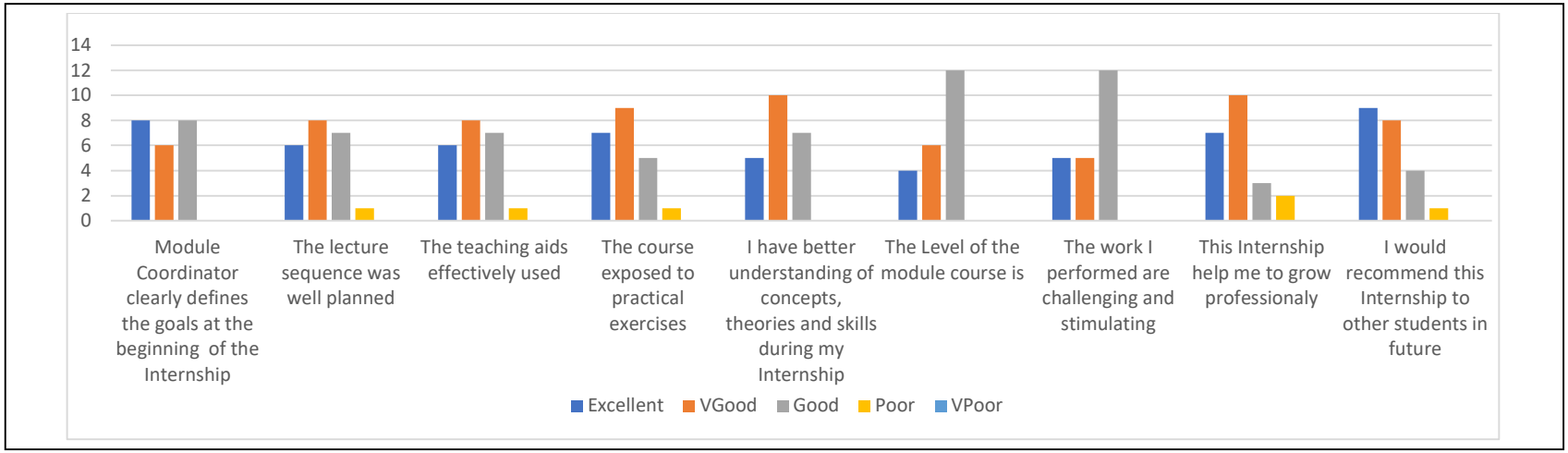
Department	Chemical Engineering
Name of Module	Utility of Heat Transfer in Process Industry
Name of Faculty Coordinators	Prof. Arti Sahu & Prof. Sulochana Nagar

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	4	3	2	0	2	0	1	2	3
VGood	3	5	3	2	5	5	2	2	1
Good	3	2	4	3	2	3	7	3	6
Poor	0	0	1	1	1	2	0	3	0
VPoor	0	0	0	4	0	0	0	0	0
	4.1	4.1	3.6	2.3	3.8	3.3	3.4	3.3	3.7
Average	**3.5**								



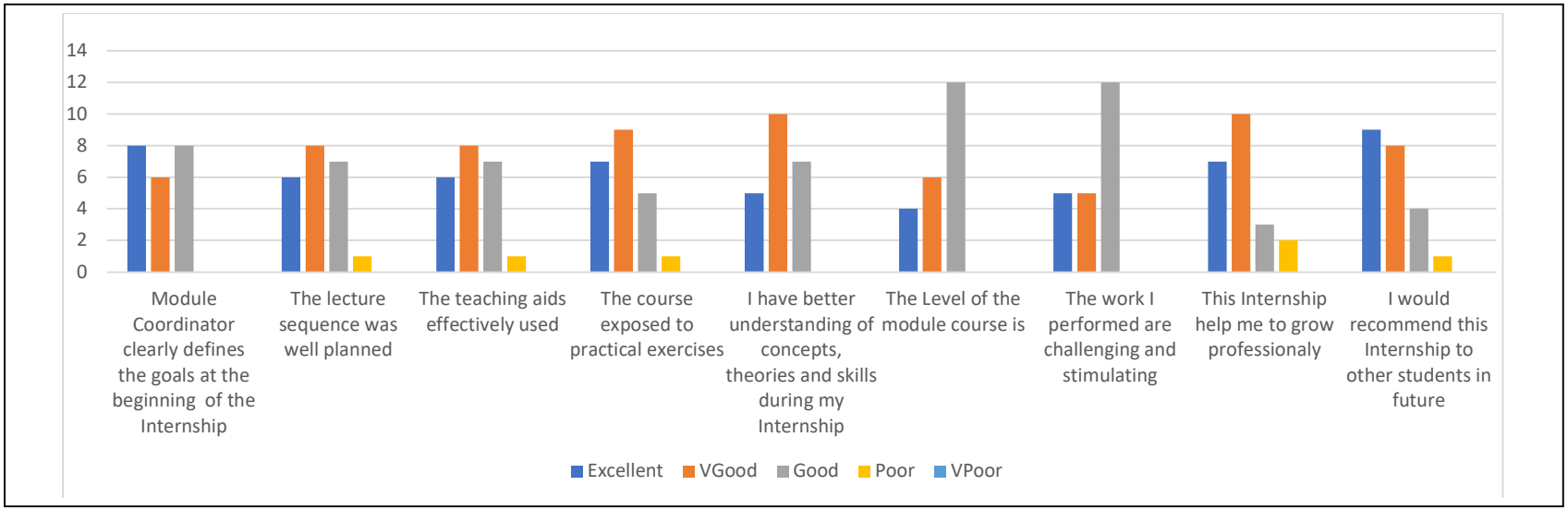
Department	Civil Engineering
Name of Module	Use of Modern of Surveying Techniques in Survey Works
Name of Faculty Coordinators	Prof. Shivam Gupta & Prof. Saurav Kakani

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	17	13	13	19	18	8	15	16	21
VGood	6	10	9	5	5	12	8	6	2
Good	2	2	3	0	1	4	2	2	1
Poor	0	0	0	1	0	1	0	1	0
VPoor	0	0	0	0	1	0	0	0	1
	4.6	4.4	4.4	4.7	4.6	4.1	4.5	4.5	4.7
Average	**4.5**								



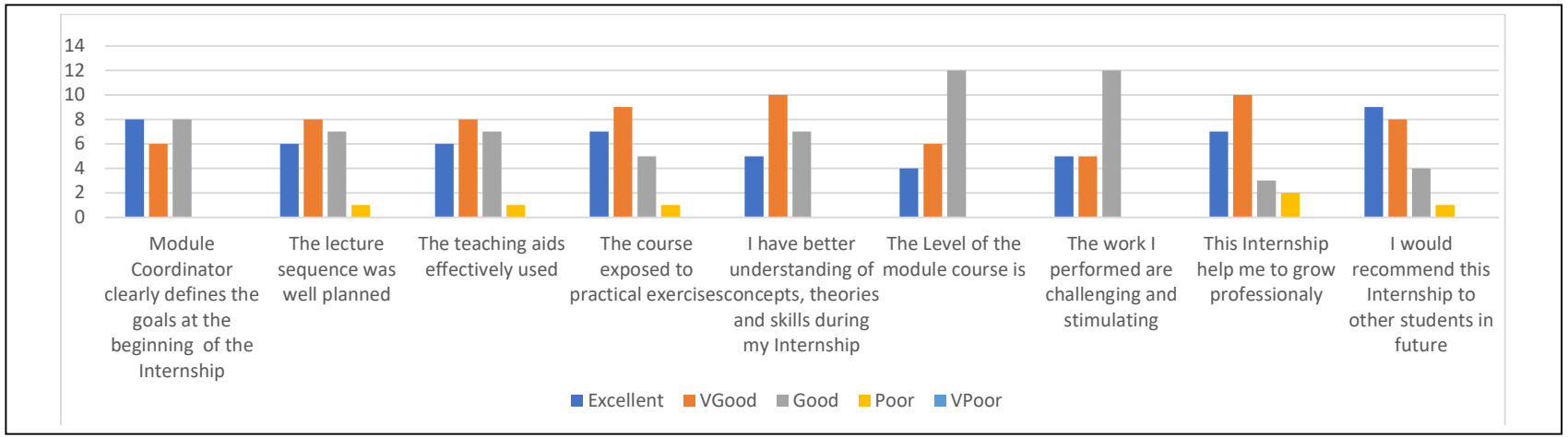
Department	Computer science & Engineering
Name of Module	Internet of Things (IoT)
Name of Faculty Coordinators	Ms. Pooja Agrawal

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	29	22	31	29	27	16	18	20	26
VGood	5	11	2	5	7	9	12	11	8
Good	0	2	2	1	1	10	4	3	1
Poor	0	0	0	0	0	0	0	0	0
VPoor	1	0	0	0	0	0	1	1	0
	4.7	4.6	4.8	4.8	4.7	4.2	4.3	4.4	4.7
Average	**4.6**								



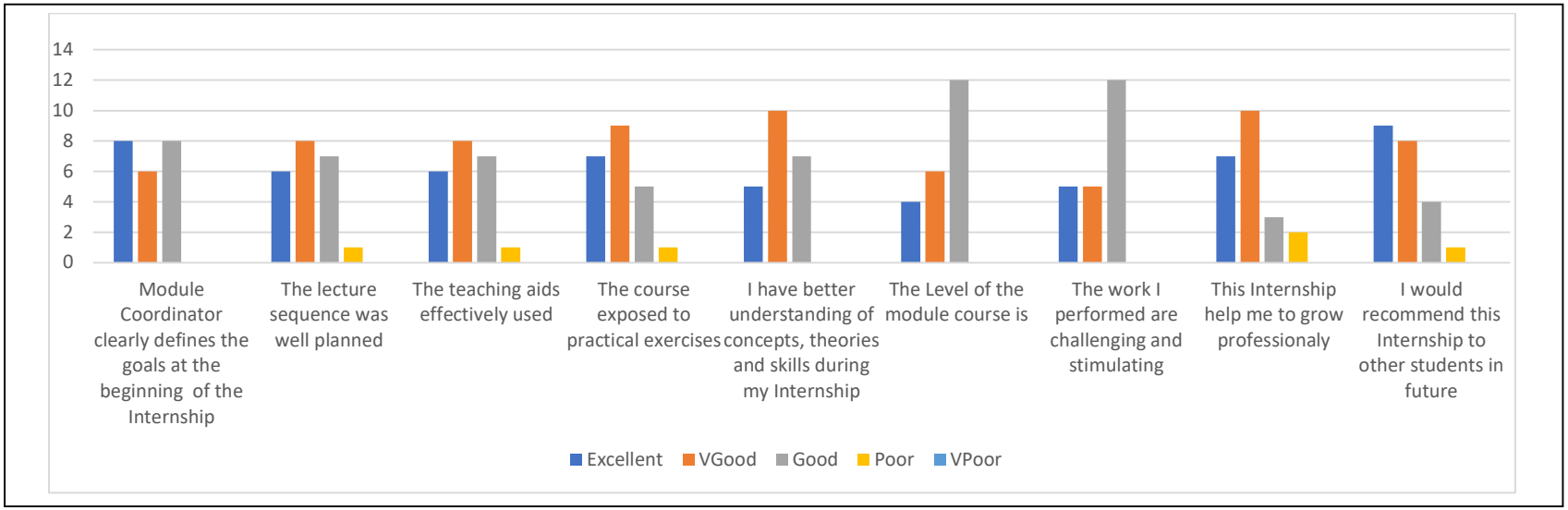
Department	Electronics Engineering
Name of Module	Training on PCB Designing & Circuit Wizard
Name of Faculty Coordinators	Dr. Vikas Mahor and Prof. Rakesh Naik

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	13	15	12	15	12	5	13	10	18
VGood	15	10	14	14	12	14	10	15	10
Good	2	5	3	0	5	11	5	4	1
Poor	0	0	0	1	1	0	2	0	1
VPoor	0	0	1	0	0	0	0	1	0
	4.4	4.3	4.2	4.4	4.2	3.8	4.1	4.1	4.5
Average	**4.2**								



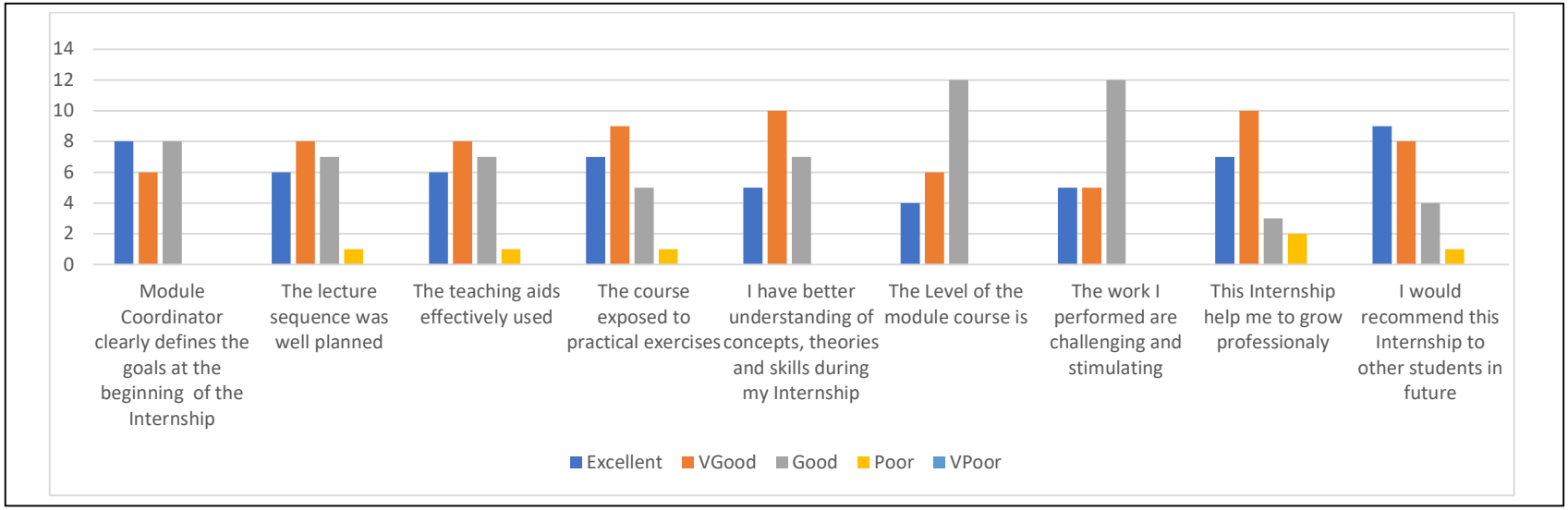
Department	Civil Engineering
Name of Module	Understanding of Building and Structural Elements through Model Making
Name of Faculty Coordinators	

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	9	7	6	9	10	6	11	7	10
VGood	7	2	7	7	5	9	7	8	6
Good	2	8	4	3	3	3	0	2	1
Poor	3	3	1	2	3	2	2	3	2
VPoor	1	2	4	1	1	2	2	2	3
	3.9	3.4	3.5	4.0	3.9	3.7	4.0	3.7	3.8
Average	**3.8**								



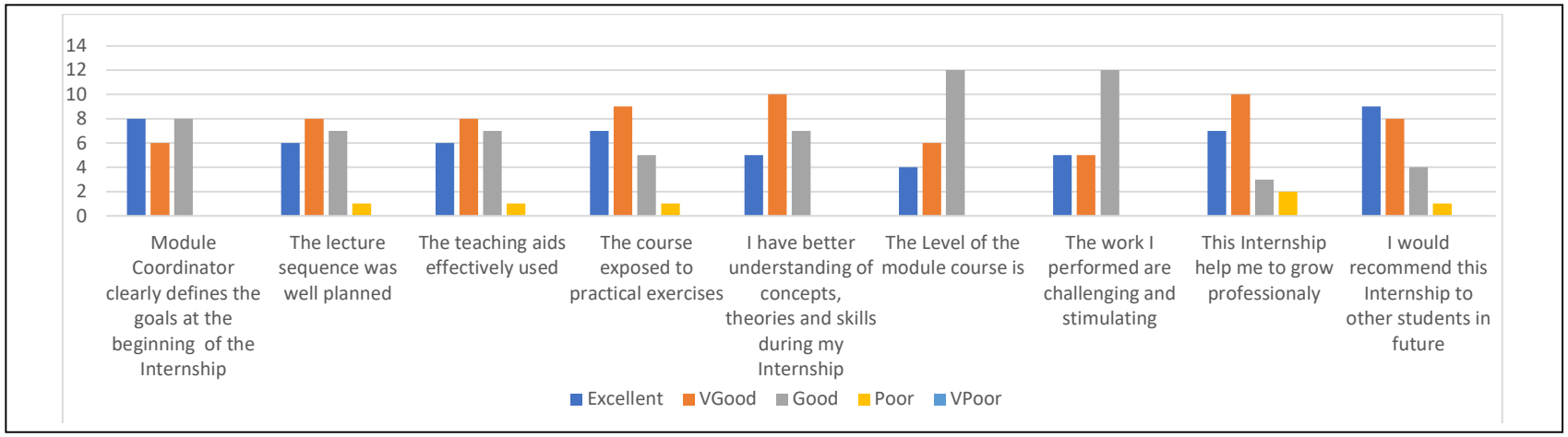
Department	Computer science & Engineering
Name of Module	Android Based Application Development.
Name of Faculty Coordinators	Mr. Mahesh Parmar

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	2	5	3	7	5	3	5	5	6
VGood	7	2	8	6	4	7	6	5	5
Good	4	8	3	2	2	4	2	4	3
Poor	1	0	1	0	2	0	2	0	0
VPoor	0	0	0	0	1	0	0	0	0
	3.7	3.8	3.9	4.3	3.7	3.9	3.9	4.1	4.2
Average	**4.0**								



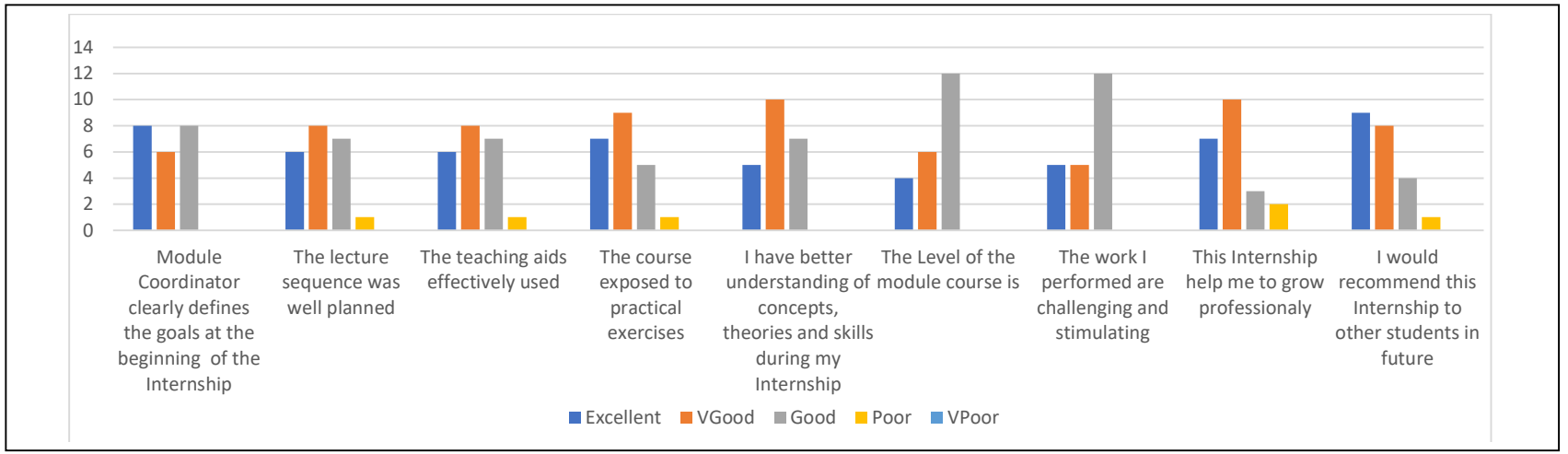
Department	Computer science & Engineering
Name of Module	Front End Web Developer
Name of Faculty Coordinators	Mr. Lav Upadhyay

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	13	10	8	14	7	5	6	11	15
VGood	8	10	10	7	11	8	10	7	4
Good	1	0	2	0	3	9	5	3	2
Poor	0	0	2	1	0	0	1	1	0
VPoor	0	2	0	0	1	0	0	0	1
	4.5	4.2	4.1	4.5	4.0	3.8	4.0	4.3	4.5
Average	**4.2**								



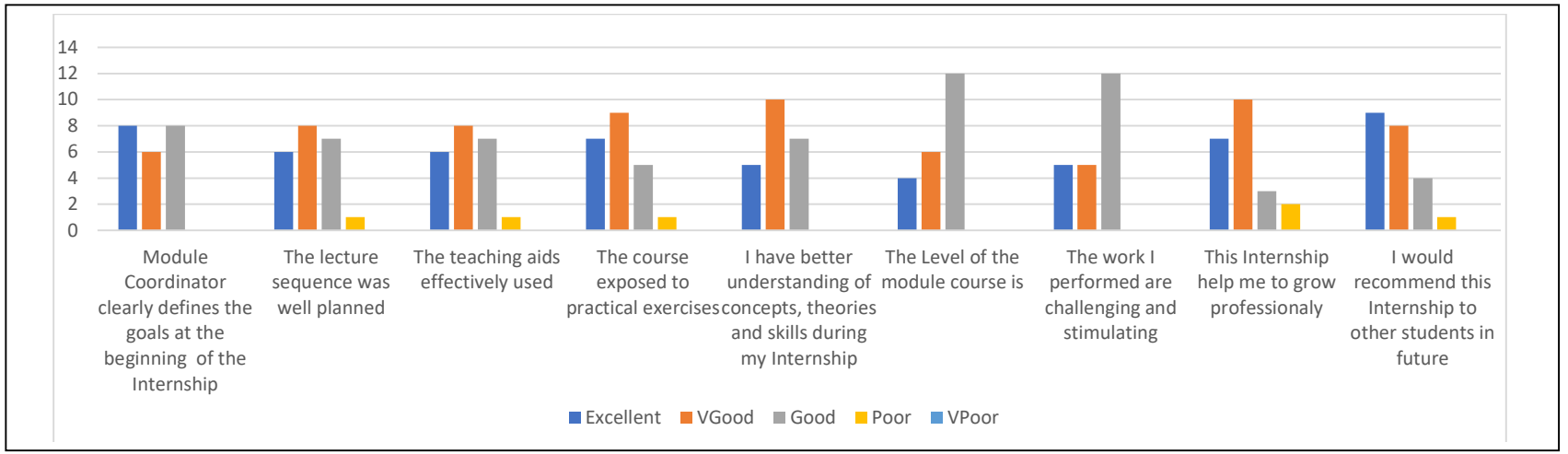
Department	Electronics Engineering
Name of Module	Python for Engineers
Name of Faculty Coordinators	Prof. Saurabh Singh Raghuvanshi

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	21	26	15	20	12	8	13	16	14
VGood	13	8	19	15	18	18	21	14	15
Good	2	2	2	2	6	9	3	6	5
Poor	1	1	1	0	1	2	1	1	2
VPoor	1	1	1	1	1	1	0	1	2
	4.4	4.5	4.2	4.4	4.0	3.8	4.2	4.1	4.0
Average	**4.2**								



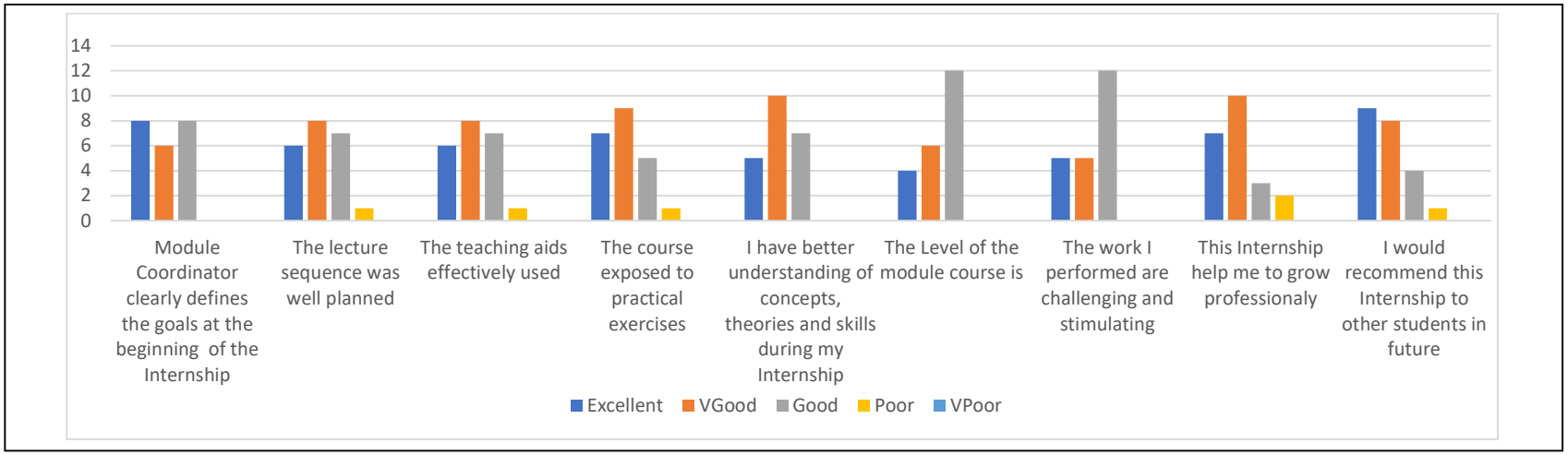
Department	Computer Science & Engineering
Name of Module	Python Programming With Applications To Machine Learning
Name of Faculty Coordinators	Mr. Mir Shahnawaz Ahmad

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	25	23	18	18	21	8	11	15	21
VGood	15	14	18	16	15	17	19	17	16
Good	2	5	5	8	5	17	12	8	4
Poor	0	0	1	0	1	0	0	2	0
VPoor	0	0	0	0	0	0	0	0	1
	4.5	4.4	4.3	4.2	4.3	3.8	4.0	4.1	4.3
Average	**4.2**								



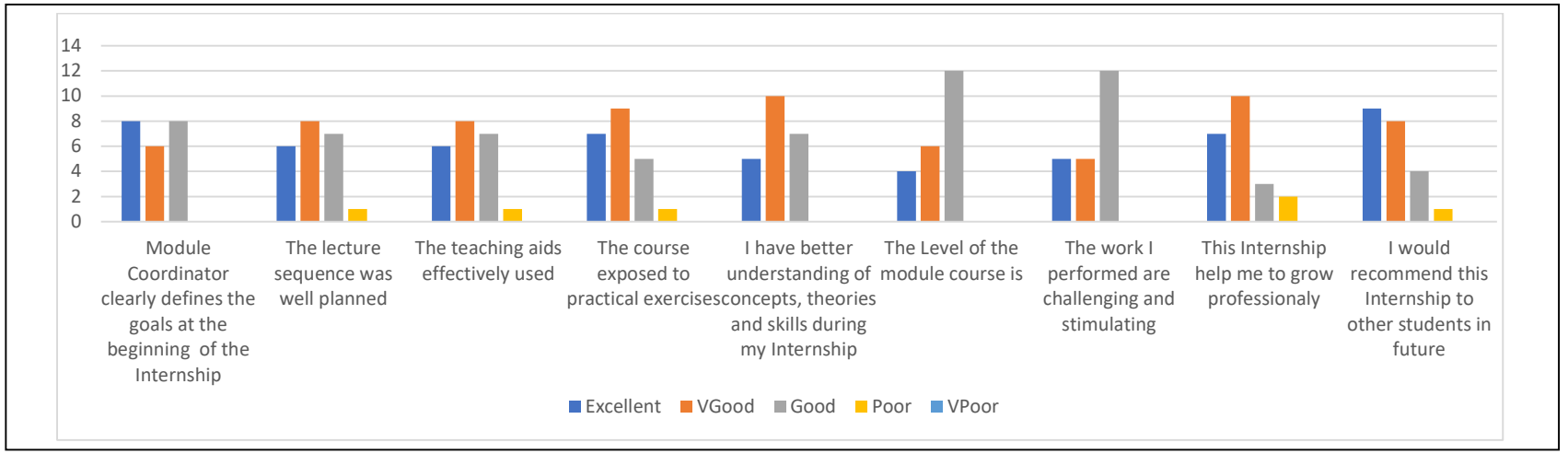
Department	Electrical Engineering
Name of Module	Introduction to Solar Photovoltaic and application of power Electronics switches in Solar Inverter
Name of Faculty Coordinators	Prof. Saurabh K.Rajput and Prof. Manoj Kumar

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	4	7	5	6	7	3	4	6	7
VGood	7	4	6	5	4	8	7	5	4
Good	0	0	0	0	0	0	0	0	0
Poor	0	0	0	0	0	0	0	0	0
VPoor	0	0	0	0	0	0	0	0	0
	4.4	4.6	4.5	4.5	4.6	4.3	4.4	4.5	4.6
Average	**4.5**								



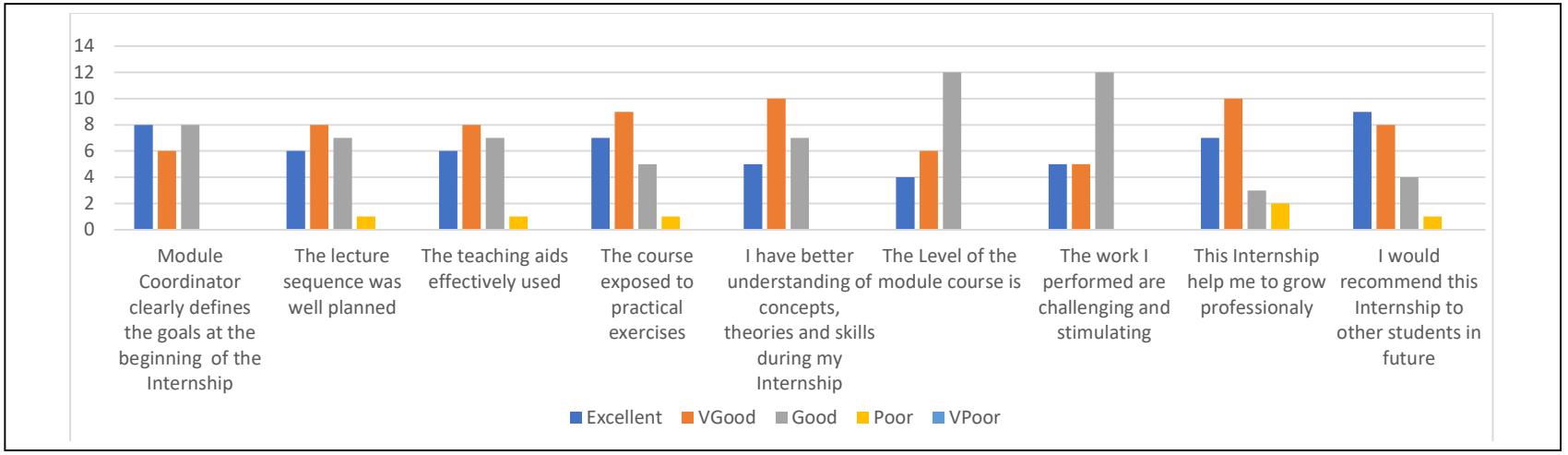
Department	Architechure
Name of Module	Earth Workshop(Raw and Rammed earth)
Name of Faculty Coordinators	Ar.Priya Gupta & Ar.Shefali Yadav

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	5	5	5	6	5	3	3	4	4
VGood	1	0	1	0	1	3	3	1	2
Good	0	1	0	0	0	0	0	0	0
Poor	0	0	0	0	0	0	0	1	0
VPoor	0	0	0	0	0	0	0	0	0
	4.8	4.7	4.8	5.0	4.8	4.5	4.5	4.3	4.7
Average	**4.7**								



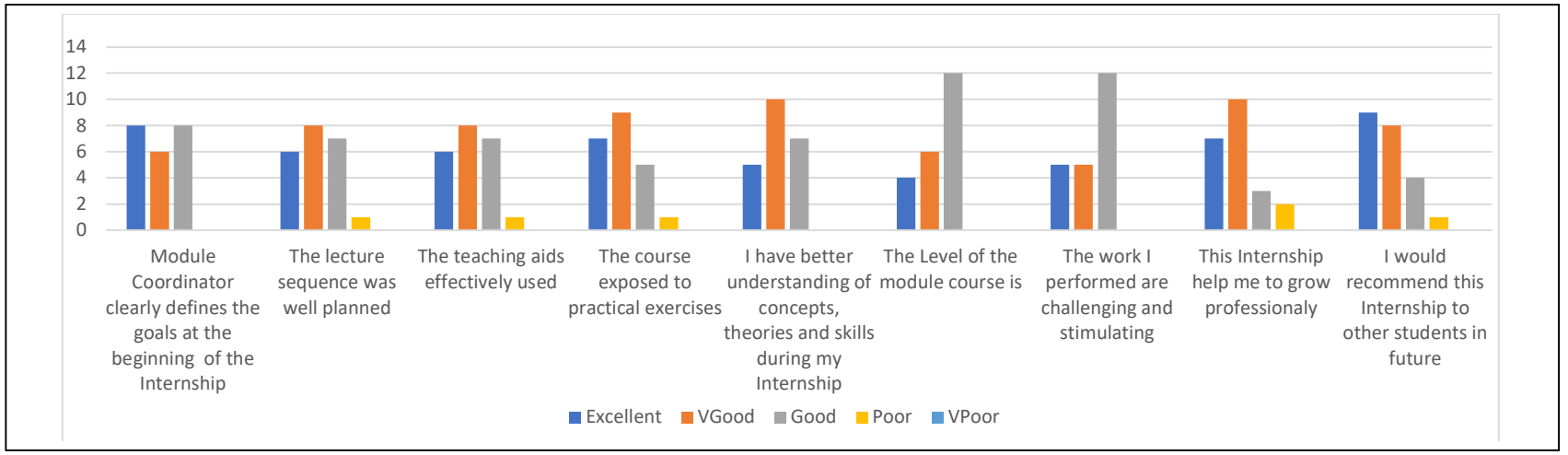
Department	Architecture
Name of Module	Bamboo Workshop(Geodesic dome)
Name of Faculty Coordinators	Ar.Priya Gupta & Ar.Shefali Yadav

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	2	2	3	5	3	2	4	3	1
VGood	2	2	3	1	3	1	2	3	2
Good	1	1	0	0	0	2	0	0	2
Poor	1	0	0	0	0	1	0	0	0
VPoor	0	1	0	0	0	0	0	0	1
	3.8	3.7	4.5	4.8	4.5	3.7	4.7	4.5	3.3
Average	**4.2**								



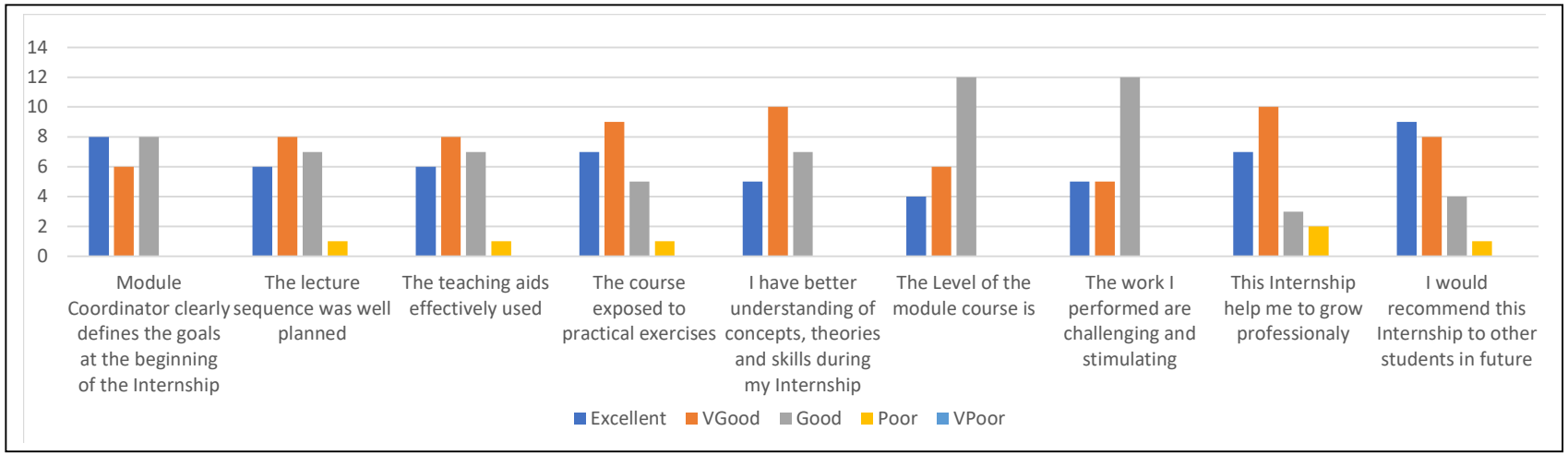
Department	Chemical Engineering
Name of Module	Introduction to Analytical Instruments
Name of Faculty Coordinators	Dr. Antaram N. Sarve

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	3	4	3	3	3	1	2	3	3
VGood	2	1	2	1	2	4	2	2	2
Good	0	0	0	1	0	0	1	0	0
Poor	0	0	0	0	0	0	0	0	0
VPoor	0	0	0	0	0	0	0	0	0
	4.6	4.8	4.6	4.4	4.6	4.2	4.2	4.6	4.6
Average	**4.5**								



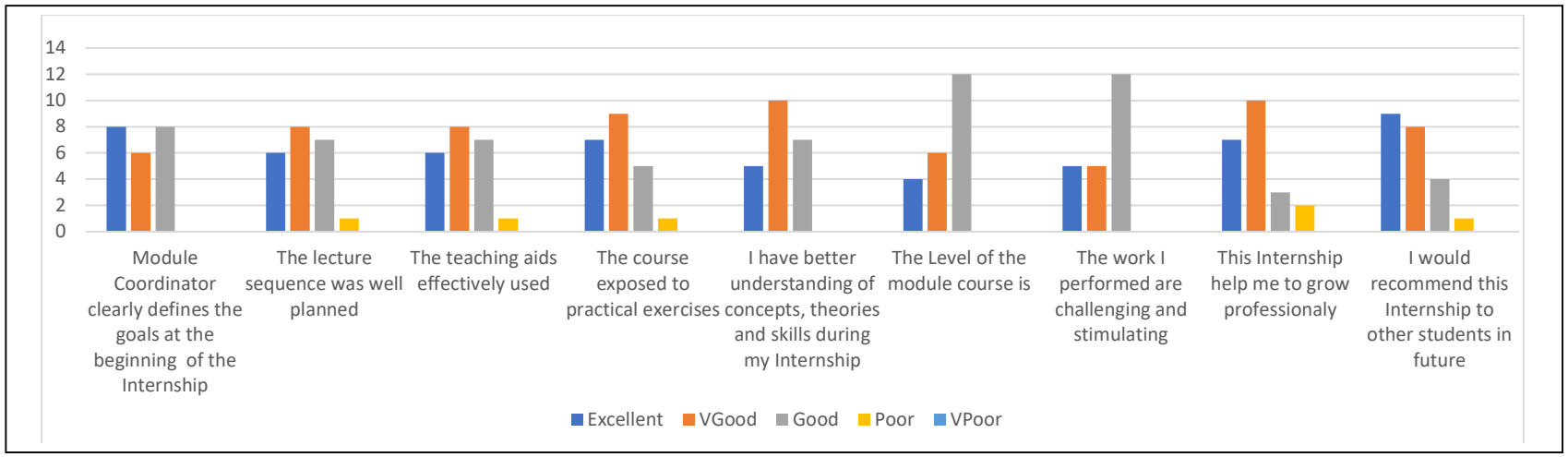
Department	Electronics Engineering
Name of Module	Training on Digital Circuit Design
Name of Faculty Coordinators	Prof. Aruna Chauhan, and Prof. Santosh Sharma

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	2	3	2	3	2	2	2	2	2
VGood	4	2	3	3	4	2	3	4	2
Good	0	1	1	0	0	2	1	0	2
Poor	0	0	0	0	0	0	0	0	0
VPoor	0	0	0	0	0	0	0	0	0
	4.3	4.3	4.2	4.5	4.3	4.0	4.2	4.3	4.0
Average	**4.2**								



Department	Civil Engineering
Name of Module	In-house Testing of Engineering Materials
Name of Faculty Coordinators	Prof. Nupur Verma & Prof. Nishi Gangwar

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	2	2	3	2	2	2	2	2	2
VGood	3	2	2	3	3	2	1	3	3
Good	0	1	0	0	0	1	1	0	0
Poor	0	0	0	0	0	0	1	0	0
VPoor	0	0	0	0	0	0	0	0	0
	4.4	4.2	4.6	4.4	4.4	4.2	3.8	4.4	4.4
Average	**4.3**								

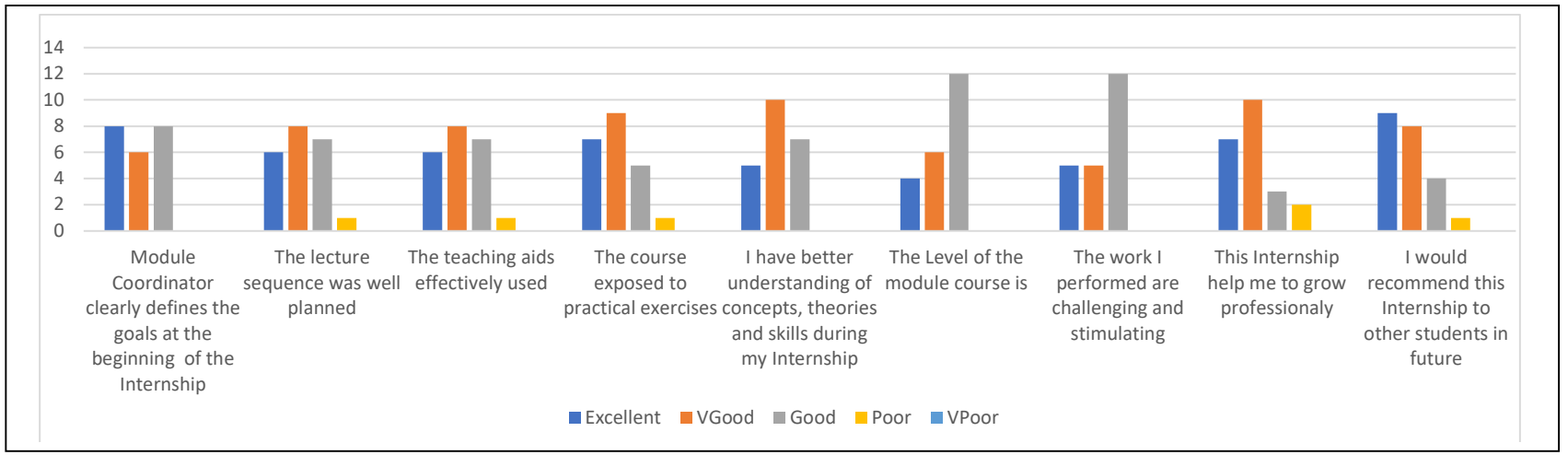


Department	Electrical Engineering
Name of Module	Hands on Training on Signal/ Image Processing Toolbox in MATLAB
Name of Faculty Coordinators	Dr. Vikram and Prof. Bhavna rathore

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	9	8	6	4	6	5	6	8	9
VGood	1	2	3	5	4	4	4	2	1
Good	0	0	1	1	0	1	0	0	0
Poor	0	0	0	0	0	0	0	0	0
VPoor	0	0	0	0	0	0	0	0	0
	4.9	4.8	4.5	4.3	4.6	4.4	4.6	4.8	4.9
Average	**4.6**								

Department	Electronics Engineering
Name of Module	Training on MATLAB
Name of Faculty Coordinators	Dr. Ashish Gupta and Prof. Deepak Batham

	Module Coordinator clearly defines the goals at the beginning of the Internship	The lecture sequence was well planned	The teaching aids effectively used	The course exposed to practical exercises	I have better understanding of concepts, theories and skills during my Internship	The Level of the module course is	The work I performed are challenging and stimulating	This Internship help me to grow professionaly	I would recommend this Internship to other students in future
Excellent	5	4	5	10	6	1	4	4	9
VGood	14	9	9	11	6	9	14	9	10
Good	7	14	12	9	13	17	9	11	10
Poor	5	3	3	1	5	2	3	6	2
VPoor	0	1	2	0	1	2	1	1	0
	3.6	3.4	3.4	4.0	3.4	3.2	3.5	3.3	3.8
Average	**3.5**								



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Summer Internship Program for UG I Year Students

May-June 2020

Department has organized summer internship program for UG I year students on 11th May to 28th May 2020.

Two Week Online Summer Internship Programme– 2020

For

B.E/ B.Tech/BArch Students

For I Year : 11th May to 28th May 2020
For II Year: 11th May to 28th May 2020

SUMMER INTERNSHIP

Estd. 1957

Organized by
Madhav Institute of Technology & Science, Gwalior, M.P.
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to R.G.P.V. Bhopal, M.P.)
www.mitsgwalior.in

ABOUT SUMMER INTERNSHIP

Internships are educational and career development opportunities, providing practical experience in a field or discipline. Following are the intended objectives of online internship training

- Provide possible opportunities to learn, understand and sharpen the real time technical skills required at the job
- Get exposed to the current technological developments relevant to the subject area of training.
- Use the experience gained form the Internship in discussions held in the online classrooms
- Create conditions conducive to quest for knowledge and its applicability on the job.
- Learn to apply the Technical knowledge in real life situations.
- Gain experience in writing reports in Technical works/projects.
- Expose students to the engineer's responsibilities and ethics
- Soft Skills

ORGANIZING COMMITEE

Patron
Er. Ramesh Agrawal — Secretary, Scindia Engg. College Society

Chairman
Dr.R.K. Pandit — Director

Coordinator
Dr. Rajeev Kansal — Dean Student Welfare

Co-Coordinator I Year
Prof. Praveen Bansal — Assistant Professor ,EED
Prof. Swati Gupta — Assistant Professor ,Ch.ED

Co-Coordinator II Year
Dr. Sanjeev Khanna — Associate Professor, Humanities

ELIGIBILITY

Students pursuing I & II Year BE/BTech in any branch of Engineering & B Arch from recognized Academic Institutions/ Universities.

ABOUT THE INSTITUTE

Madhav Institute of Technology & Science, Gwalior was established in 1957 by His Highness Late Sir Jiwaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior.

The foundation stone of the Institute was laid by Late Dr. Rajendra Prasad, on 20th October, 1956 and the building was inaugurated by Late Dr. S. Radha Krishnan on 11th December, 1964. The president of India, Dr. Pratibha Devi Singh Patil graced the Golden Jubilee Celebrations of the Institute as Chief Guest on 30th June, 2008.

The Institute has a campus of around 45 acres. The Institute offers education in eleven undergraduate programmes and twenty-one PG programmes. The prime objective of the Institute is to provide quality technical education at undergraduate and postgraduate levels. Recently the Institute is also funded by World Bank under TEQIP-III to strengthen the quality of technical education.

RESOURCE PERSONS

The various sessions of this internship program will be conducted by Faculty members of MITS Gwalior.

INTERNSHIP MODULES

Modules offered for I Year (BE/B.Tech/BArch)

1. Civil Engineering Department
- *Advancing From BASICS By Practicing Through "VIRTUAL LABS" In Civil Engineering*
- *Basics Of Python and Its Applications In Civil Engineering*
- *Civil Engineering Structural Elements Drawing Using Autocad*

2. Mechanical Engineering Department
- *State Of Art Of Ground Vehicles*
- *Introduction to Auto CAD For Engineering Applications*
- *Solid works with GD&T*
- *Visualization And Learning Of Repair And Maintenance of a Vehicle*
- *Descriptive Statistics With Python*

3. Electrical Engineering Department
- *Hands On Training On MATLAB / SIMULINK*
- *Introduction To Solar Systems & Solar Photovoltaic (PV) Modelling Using PV-syst Software & Simulink*
- *Numerical Computational Techniques Using MATLAB*
- *Hands On Training On OCTAVE (An Open Source Software)*
- *Electricity Usage for Domestic & Industrial Applications.*

4. Electronics Department
- *Electronic Circuit Design Using LT-spice*
- *Python For Engineers*
- *Training On Sci-Lab*

5. CSE & IT Department
- *Analytics Using R Tool*
- *Internet Of Things (IoT)*
- *Python Programming With Applications To Machine Learning*
- *Front end web developer*
- *Google Services*

6. Chemical Engineering Department
- *Chemical Reaction Engineering: A Flyover Between Nano And Macro World*
- *Introduction To Analytical Instruments*
- *Introduction Of Mineral Processing And Challenges*

7. Applied Science Department
- *Chromatographic Techniques And It's Application*
- *Uses Of Fiber Optics In Current Scenario*
- *Applications Of Lasers In Engineering , Technology, Space & Medical Science*
- *Differential Equations And Its Application*
- *Discrete Mathematics And It's Application*

8. Architecture Department
- *Digital Painting*
- *Built & Cultural Heritage*

9. Counselling Cell
- *Pro Social Behaviour*
- *Personal Growth: Becoming A Better "You"*

Modules offered for II Year (BE/B.Tech/BArch)
- **Humanities Department**
  - *Soft Skills*

HOW TO APPLY/REGISTRATION

MITS STUDENTS

It is mandatory for all students of I & II year B.Tech./ B.Arch. to attend the online Summer Internship. For registration link is available on institute website. **No fees is to be paid.**

For I Year: Registration will start at 11.00 AM on 28th April 2020.

For II Year: All regular students are automatically registered.

STUDENTS OTHER THAN MITS

Students of other Institutes interested to enrol for the online Internship are required to do online registration through link available on Institute Website www.mitsgwalior.in. They are required to make payment of the fees applicable for Internship as follows:

I Year: Internship fee Rs. 1000/-+ GST(18%)
II Year: Internship fee Rs. 1000/-+ GST(18%)

Payment has to been done online and only after successful payment, the registration process will be completed.

Fees once paid will not be refunded.

Registration will start at 11.00 AM on 28th April 2020.

The selection is **on first come first served basis,** depending upon the availability of the seats.

Last Date of Registration is 5th May 2020.

Dates

- For I Year : 11th May to 28th May 2020
- For II Year: 11th May to 28th May 2020

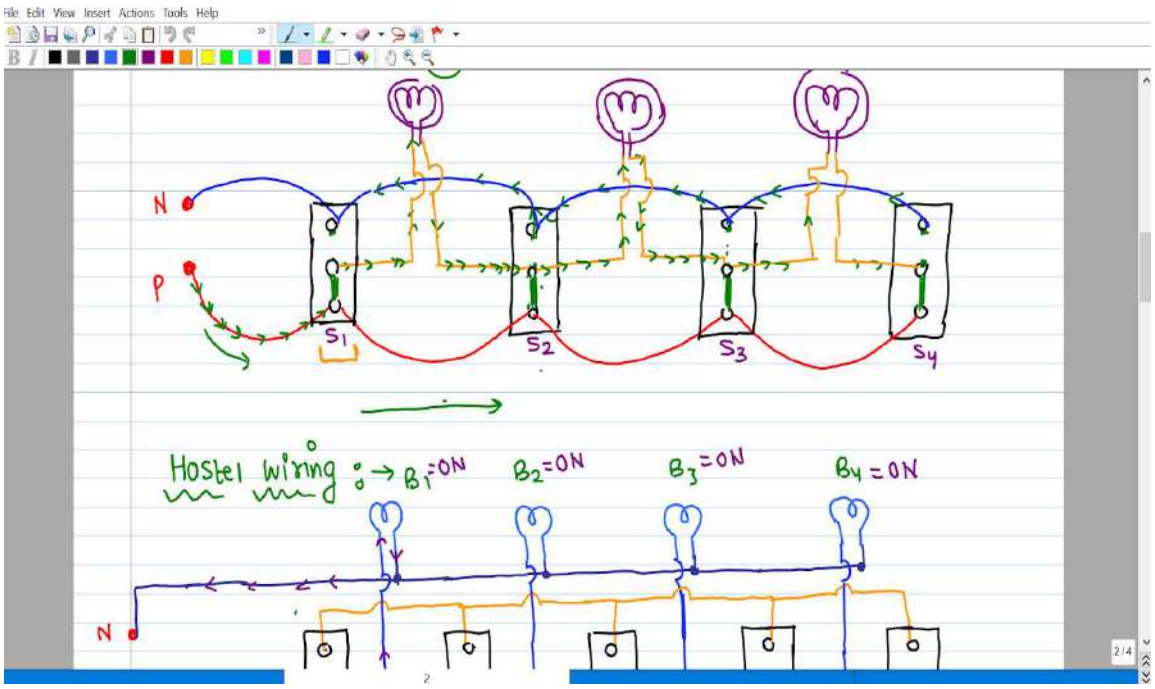
Assessment

Assessment and evaluation of the performance will be done by respective Module Coordinator. E-certificate will be issued to outside students after successful completion of course.

For more information contact :

Prof. Praveen Bansal (9827577549) — I Year
Prof. Swati Gupta (9977820544) — I Year

Prof.Praveen Bansal
Assistant Professor
EED


File Edit View Insert Actions Tools Help
N
P
S1
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Hostel wiring :→ B1=ON
B2=ON
B3=ON
B4=ON
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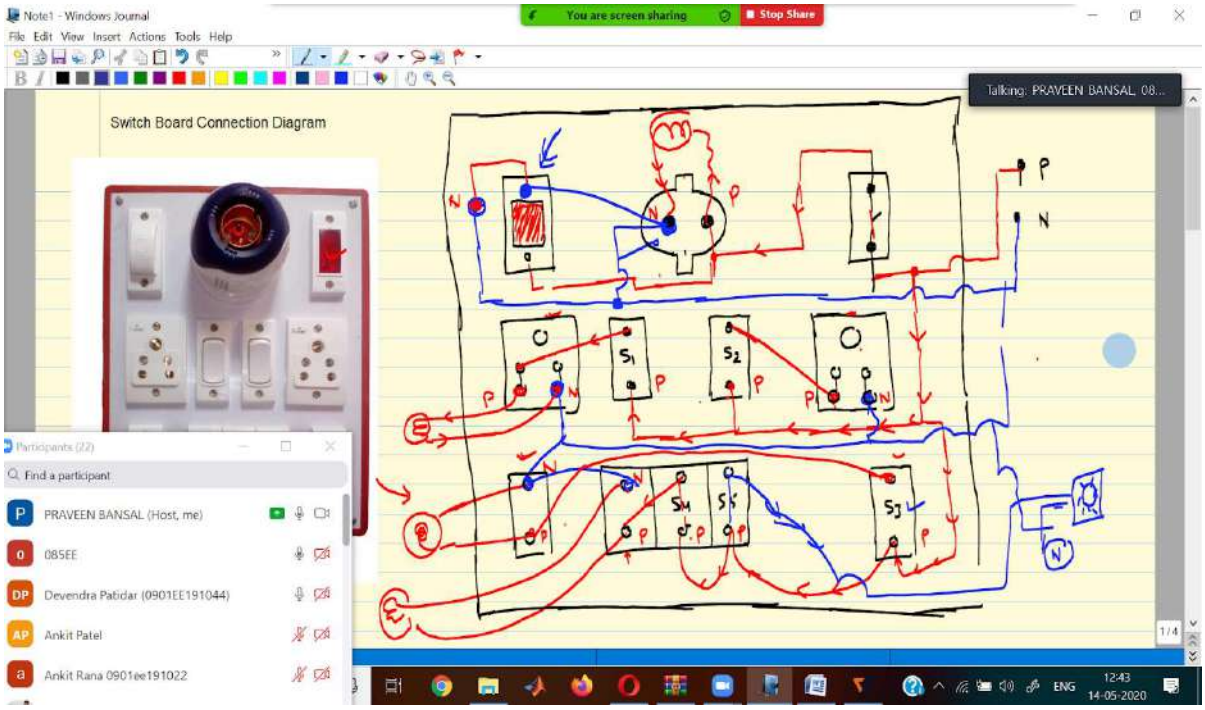
2/4


Note1 - Windows Journal
You are screen sharing
Stop Share
File Edit View Insert Actions Tools Help
Talking: PRAVEEN BANSAL 08...
Switch Board Connection Diagram
Participants (22)
Find a participant
PRAVEEN BANSAL (Host, me)
085EE
Devendra Patidar (0901EE191044)
Ankit Patel
Ankit Rana 0901ee191022
1/4
ENG
12:43
14-05-2020

S.No.	Name of Department	Name of Modules	Module Coordinators	Email ID	Registration till date
1.	**Electrical Engineering**	Hands on Training on MATLAB / SIMULINK	Ms. Bhavna Rathore Mr. Rahul Sagwal Mr. Shailendra Pratap Singh	rathore.puja@mitsgwalior.in rahul.sagwal90@mitsgwalior.in sh1ile9dr1@mitsgwalior.in	49
2.		Introduction to Solar systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink	Prof Saurabh K Rajput Prof. AparajitaKumari Prof. ShwetaKumari	saurabh9march@mitsgwalior.in, Aprajita.iitdhn@gmail.com, shweta.in33@gmail.com	12
3.		Numerical Computational Techniques using MATLAB	Dr. Vikram, Mr. G. K. Naveen Mr. Nipun Gupta	ivikramsaini@mitsgwalior.in, gknaveenkmr2013@mitsgwalior.in, nipun.gupta2212@mitsgwalior.in	09
4.		Electricity usage for Domestic & Industrial applications.	Prof. Vishal Chaudhary Prof. Praveen Bansal Prof. KuldeepSwankar	kuldeepkumarsony@mitsgwalior.in vishal.chaudhary30@mitsgwalior.in pbansal444@mitsgwalior.in	26
5.	**Mechanical Engineering/ Automobile**	State of art of ground Vehicles	Dr. Dharmendra Jain, Prof. Krishan Kumar Yadav & Prof. Ajay Singh Rajput	dharma.auto@mitsgwalior.in kkmnnit2k13@mitsgwalior.in asrajput1992@gmail.com	19
6.		Introduction to Auto CAD for Engineering Applications	Prof.SharadAgrawal Prof.UtkarshSrivastava	sharad.mits03@gmail.com utkarshsri.mits@gmail.com	62
7.		SOLIDWORKS with GD&T	Prof.Vaibhav Gupta Prof. Narindra Singh Sikharwar	Vaibhavgupta77642@gmail.com iitr.narendra@gmail.com	19
8.		Visualization and learning of repair and maintenance of a vehicle	Prof. Shubham Shrivastava, Prof. Subhash Chand Pal Prof. Sumeetkumar singh	shubham@mitsgwalior.in, subashmiet105@gmail.com, smt19990@gmail.com	72
9.		Descriptive Statistics with Python	Prof. Sarvesh Kumar Yadav Prof. Gayanesh Saran	sarveshyadav2820@gmail.com, amratkumardhamneya@gmail.com, gyaneshsharan@gmail.com	13

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			Dr. Amrat Dhamniya		
10.	**CSE&IT**	Analytics using R Tool	Prof. Arun Kumar	arun.vsrana@mitsgwalior.in	21
11.		Internet of Things (IoT)	Prof. Sneha Garg & Prof. PoojaAgrawal	snehagarg229@mitsgwalior.in, pooja.agrawal2308@mitsgwalior.in	74
12.		Python Programming with Applications to Machine Learning	Prof. Mir Shahnawaz Ahmad. Prof. Mohit Jain	mirshahnawaz888@mitsgwalior.in	81
13.		FRONT END WEB DEVELOPER	Prof. LavUpadhyay Prof. NamrataAgarwal	lavupadhyay@gmail.com namrataagrawal@mitsgwalior.in	76
14.		Google Services	Prof. AbhilashSonker Prof. Amit K Manjhvar	abhilashsonkerit@gmail.com mtechsati@gmail.com	94
15.	**Electronics Engineering**	Electronic Circuit Design Using LTSPICE	Dr. VikasMahor Prof. Rakesh Naik	vikas@mitsgwalior.in, rakeshbitelex@gmail.com	29
16.		Python for Engineers	Prof. Saurabh Singh Raghuvanshi	ssraghuvanshi1989@gmail.com	80
17.	**Civil Engineering**	Advancing from BASICS by Practicing through “VIRTUAL LABS" in Civil Engineering	Prof. Shivam Gupta	shivamg25@mitsgwalior.in	14
18.		Basics of Python and its applications in Civil Engineering	Dr. Chetan Sharma	chetan.cvl@mitsgwalior.in	25
19.		Civil Engineering Structural elements drawing using AutoCAD	Dr. Pankaj Kumar	Pankaj437@mitsgwalior.in	63
20.	**Chemical Engineering**	Chemical Reaction Engineering: A flyover between Nano and Macro world	Dr. Arti Sahu Prof. Pratap Singh	artisahu7@gmail.com prataphbti@gmail.com	33
21.		Introduction of Mineral Processing and Challenges	Dr. R. K. Dubey Dr. S.R. Geed	dubeyable@gmail.com sachingeed23@gmail.com	07
22.	**Applied Science**	Applications of Lasers in Engineering ,	Dr. Prachi Sharma	ps5739@gmail.com	09

		Technology, Space & Medical Science			
23.	**Architecture**	DIGITAL PAINTING	Ar. Noopur Gupta Ar. VershaSinha	noopurgupta.ng@gmail.com versha.data@gmail.com	31
24.		BUILT & CULTURAL HERITAGE	Ar. Pranshi Jain Ar. Richa Mishra	prranshijain@gmail.com richarch11@gmail.com	09
25.	**Counselling Cell**	Personal Growth: Becoming a better "YOU"	DR. SAPNA KUMARI	counsellordrsapna@mitsgwalior.in	26
26.	Total Registrations				**953**

Prof.Praveen Bansal
Co-Coordinator, SIP-I

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		Feedback of First year online Summer Internship				
S. NO.	**Name of Department**	**Name of Modules**	**Module Coordinators**	**Average**	**No. of Feedback Received**	**Total no. of students registered in the module**
1	**Electrical Engineering**	Hands on Training on MATLAB / SIMULINK	Ms. Bhavna Rathore ,Mr. Rahul Sagwal andMr. Shailendra Pratap Singh	**4.3**	36	49
2		Introduction to Solar systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink	Prof Saurabh K Rajput Prof. AparajitaKumari Prof. ShwetaKumari	**4.3**	10	12

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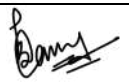
EED

3		Numerical Computational Techniques using MATLAB	Dr. Vikram, Mr. G.K. Naveen and Mr. Nipun Gupta	**4.5**	6	9
4		Electricity usage for Domestic & Industrial applications.	Prof. Vishal Chaudhary, Prof. Praveen Bansal and Prof. Kuldeep Swankar	**4.4**	19	26
5	**Mechanical Engineering/ Automobile**	State of art of ground Vehicles	Dr. Dharmendra Jain, Prof. Krishan Kumar Yadav & Prof. Ajay Singh Rajput	**3.7**	11	19
6		Introduction to Auto CAD for Engineering Applications	Prof.SharadAgrawal & Prof. Utkarsh Srivastava	**4.1**	39	62
7		SOLIDWORKS with GD&T	Prof.Vaibhav Gupta & Prof. Narindra Singh Sikharwar	**3.6**	10	19
8		Visualization and learning of repair and maintenance of a vehicle	Prof. Shubham Shrivastava, Prof. Subhash Chand Pal & Prof. Sumeet Kumar Singh	**4**	36	72

9		Descriptive Statistics with Python	Prof. Sarvesh Kumar Yadav, Prof. Gayanesh Saran, Dr. Amrat Dhamniya	4.3	7	13
10	**CSE&IT**	Analytics using R Tool	Prof. Arun Kumar	4.4	11	21
11		Internet of Things (IoT)	Prof. Sneha Garg & Prof. PoojaAgrawal	4.2	49	74
12		Python Programming with Applications to Machine Learning	Prof. Mir Shahnawaz Ahmad & Prof. Mohit Jain	4.4	63	81
13		FRONT END WEB DEVELOPER	Prof. LavUpadhyay & Prof. Namrata Agrawal	4	36	76
14		Google Services	Prof. AbhilashSonker & Prof. Amit K Manjhvar	4	46	94
15	**Electronics Engineering**	Electronic Circuit Design Using LTSPICE	Dr. VikasMahor & Prof. Rakesh Naik	4.1	14	29
16		Python for Engineers	Prof. Saurabh Singh Raghuvanshi	4.2	43	80

Prof.Praveen Bansal
Assistant Professor
EED

17	**Civil Engineering**	Advancing from BASICS by Practicing through "VIRTUAL LABS" in Civil Engineering	Prof. Shivam Gupta	**4.7**	6	14
18		Basics of Python and its applications in Civil Engineering	Dr. Chetan Sharma	**4.3**	16	25
19		Civil Engineering Structural elements drawing using AutoCAD	Dr. Pankaj Kumar	**3.6**	25	63
20	**Chemical Engineering**	Chemical Reaction Engineering: A flyover between Nano and Macro world	Dr. Arti Sahu & Prof. Pratap Singh	**3.8**	9	33
21		Introduction of Mineral Processing and Challenges	Dr. R. K. Dubey & Dr. S. R. Geed	**4.8**	4	7



22	**Applied Science**	Applications of Lasers in Engineering , Technology, Space & Medical Science	Dr. Prachi Sharma	**4.6**	2	9
23	**Architecture**	DIGITAL PAINTING	Ar. Noopur Gupta & Ar. Versha Sinha	**4.4**	12	31
24		BUILT & CULTURAL HERITAGE	Ar. Pranshi Jain & Ar. Richa Mishra	**3.8**	5	9
25	**Counselling Cell**	Personal Growth: Becoming a better "YOU"	DR. SAPNA KUMARI	**4.5**	11	26
					526	**953**

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MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR-05

(A Government Aided UGC Autonomous & NAAC Accredited Institute Affiliated to R.G.P.V. Bhopal)

Report of Summer Internship Program 2021

Institute has organized online summer internship Program during 22nd July to 31st July 2021.In total forty modules have been offered for registration of B. Tech / B. Arch UG I year students. Out of which, **twenty-nine modules** have been successfully run. The intended objectives of internship training are as follows:

- ✓ Provide possible opportunities to learn, understand and sharpen the real time technical skills required at the job
- ✓ Get exposed to the current technological developments relevant to the subject area of training.
- ✓ Use the experience gained form the Internship in discussions held in the online classrooms
- ✓ Create conditions conducive to quest for knowledge and its applicability on the job.
- ✓ Learn to apply the technical knowledge in real life situations.
- ✓ Gain experience in writing reports in technical works/projects.
- ✓ Expose students to the engineer's responsibilities and ethi

ABOUT SUMMER INTERNSHIP

Internships are educational and career development opportunities, providing practical experience in a field or discipline. Following are the intended objectives of internship training

- Provide possible opportunities to learn, understand and sharpen the real time technical skills required at the job
- Get exposed to the current technological developments relevant to the subject area of training.
- Use the experience gained form the Internship in discussions held in the online classrooms
- Create conditions conducive to quest for knowledge and its applicability on the job.
- Learn to apply the technical knowledge in real life situations.
- Gain experience in writing reports in technical works/projects.
- Expose students to the engineer's responsibilities and ethics

MITS, GWALIOR

Madhav Institute of Technology and Science (MITS), Gwalior was established by His Highness Sir Jiwaji Rao Scindia, Maharaja of Erstwhile State of Gwalior, with an aim to create world class quality Engineers and technocrats capable of providing leadership in all spheres of life and society. Founded as Madhav Engineering College in 1957. Since its inception, the institute has constantly strived for excellence and quality. Today the institute offers fifteen UG programes along with research programes leading to Master's degree in thirteen specializations and Ph.D. in various technical streams. Various departments of the institute have well equipped laboratories and experienced faculty. The institute is a minor QIP centre for Ph.D. programes in five disciplines. The institute is also funded by the World Bank under TEQIP phase III to strengthen the quality of technical education.

ORGANIZING COMMITTEE

Coordinator

Dr. Rajeev Kansal	Professor, Department of Civil Engineering

Co-Coordinator(s)

Prof.Praveen Bansal	Assistant Professor, EED
Prof.Swati Gupta	Assistant Professor ,EED

Two Week
Online Summer Internship Programme- 2021
For
B.E/ B.Tech/BArch Students

(22th July to 31st July 2021)

(In Virtual Mode)

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
(A Govt. Aided UGC autonomous & NAAC Accredited institute affiliated to RGPV, Bhopal)
Race Course Road, Gola Ka Mandir,
Gwalior, M.P. 474005
website: www.mitsgwalior.in

Prof.Praveen Bansal
Co-Coordinator, SIP-I

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR-05

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List of Modules offered

S.No.	Name of Department	Name of Modules
1.	**Electrical Engineering**	Hands on Training on MATLAB / SIMULINK
2.		Introduction to Solar systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink
3.		Numerical Computations in Electrical Engineering using MATLAB
4.		Electricity usage for Domestic & Industrial applications.
5.		Hands on Training on LABVIEW
6.	**Mechanical Engineering/ Automobile**	3D Printing with AutoCAD
7.		SOLIDWORKS with GD&T
8.		Robotics and Automation
9.		Hand's on Experience on Conventional Machine
10.		Visualization and learning of repair and maintenance of a vehicle
11.		State Of The Art Of Ground Vehicles
12.	**IT**	Machine Learning for Everyone
13.		Python for Beginners
14.		Cyber Security
15.	CSE	Machine Learning using Python
16.		Cyber Security
17.		Internet of Things
18.		Python Programming & its Applications
19.		Wireless Communication and mobile computing

20.	**Electronics Engineering**	Programming in Scilab
21.		Tinkercad & Programming in MATLAB
22.		Electronic Circuit design and Simulation using LTSpice and Simulink
23.	**Civil Engineering**	In-House Testing of Engineering Materials
24.		Basic Structural elements drawing using AutoCAD
25.		Modelling and Simulation using MATLAB
26.	**Mathematics & Computing**	Linux basics
27.		Differential Equations and Its Application
28.		Discrete Mathematics and It's Application
29.		Descriptive Statistics with R
30.		Introduction of Soft Computing
31.		Spreadsheet experience and technology
32.	**Chemical Engineering**	Introduction to Analytical Instruments
33.		Environment Aspect and Related Issue's
34.		Introduction of Mineral Processing and Challenges
35.	**Applied Science**	Atmospheric and Space Physics
36.		Chromatographic Techniques used in identification
37.		Preparation of Soap Using Different Types of Oils and Exploring its Properties
38.	**Architecture**	Digital Painting
39.		Graphic Thinking
40.		Heritage & Tourism

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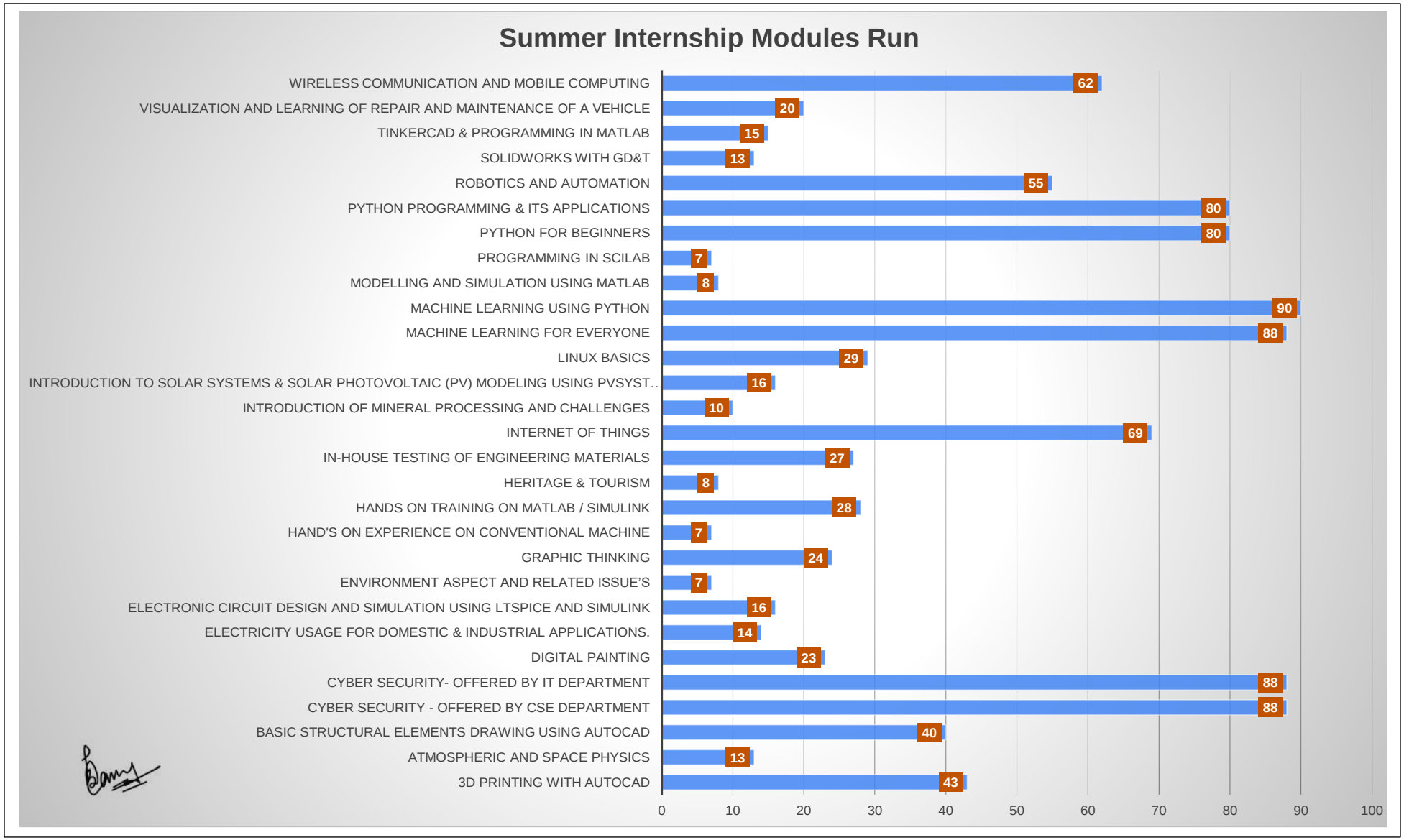
List of modules run and details of Registration

Total no. of Registrations: 1068

Total no, of module run: 29



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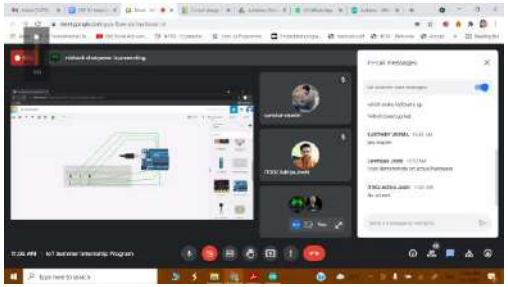
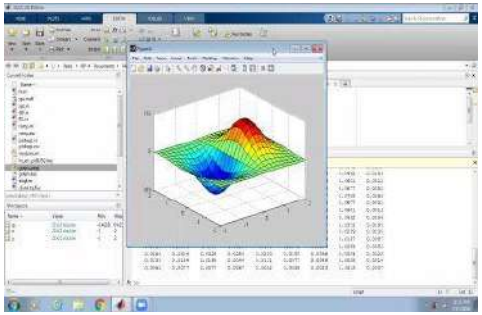
Glimpses of Internship

Internet of Things

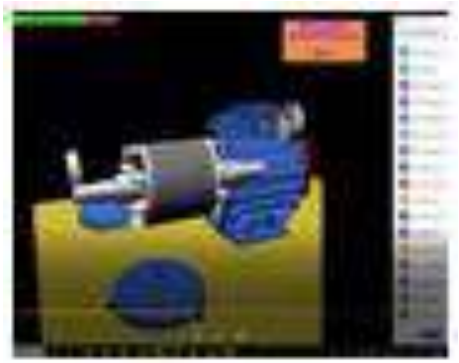


Hands on Training on MATLAB / SIMULINK

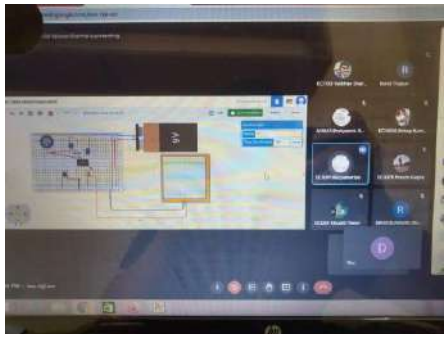


Introduction to Solar systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink

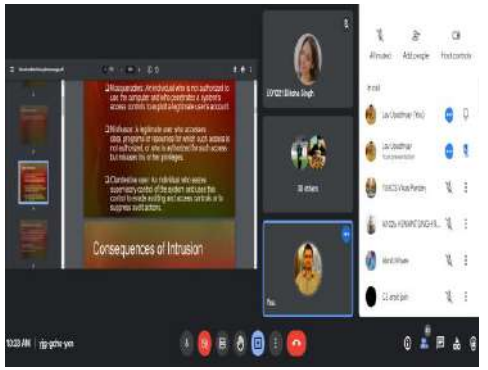
Electricity usage for Domestic & Industrial applications.



Tinkercad & Programming in Matlab



Cyber Security



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Feedback of Summer Internship -1 2021

Feedback Points:

F1	**Module Coordinator clearly defines the goals at the beginning of the Internship**
F2	**The lecture sequence was well planned**
F3	**The teaching aids effectively used**
F4	**The course exposed to you new knowledge and practices**
F5	**The quality of digital lectures/slides available through MOODLE, youtube and otheronline platforms was good**
F6	**The Level of the module course is**
F7	**The work I performed are challenging and stimulating**
F8	**This Internship help me to grow professionaly**
F9	**I would recommend this Internship to other students in future**
F10	**Suggestions**

List of Modules (Feedback Received)

M1	3D Printing with AutoCAD
M2	Atmospheric and Space Physics
M3	Basic Structural elements drawing using AutoCAD
M4	Cyber Security - offered by CSE department
M5	Cyber Security- offered by IT department
M6	Digital Painting
M7	Electricity usage for Domestic & Industrial applications.
M8	Electronic Circuit design and Simulation using LTSpice and Simulink
M9	Environment Aspect and Related Issue's
M10	Graphic Thinking
M11	Hand's on Experience on Conventional Machine
M12	Hands on Training on MATLAB / SIMULINK
M13	Heritage & Tourism
M14	In-House Testing of Engineering Materials

M15	Internet of Things
M16	Introduction of Mineral Processing and Challenges
M17	Introduction to Solar systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink
M18	Machine Learning for Everyone
M19	Machine Learning using Python
M20	Modelling and Simulation using MATLAB
M21	Programming in Scilab
M22	Python for Beginners
M23	Python Programming & its Applications
M24	Robotics and Automation
M25	SOLIDWORKS with GD&T
M26	Tinkercad & Programming in Matlab
M27	Visualization and learning of repair and maintenance of a vehicle
M28	Wireless Communication and mobile computing

Feedback Received

S.No.	Module	F1	F2	F3	F4	F5	F6	F7	F8	F9	Average	No. of students registered	No. of students given Feedback
1	M1	4.5	4.4	4.5	4.5	4.3	3.9	4.2	4.3	4.4	4.3	43	35
2	M2	4.5	4.8	4.8	4.8	4.6	3.9	4.2	4.3	4.8	4.5	13	12
3	M3	4.7	4.7	4.6	4.8	4.7	4.4	4.7	4.7	4.9	4.7	43	40
4	M4	4.5	4.5	4.3	4.4	4.3	3.9	4.3	4.2	4.2	4.3	88	63
5	M5	4.3	4.5	4.4	4.5	4.5	3.9	4.2	4.1	4.2	4.3	88	35
6	M6	4.6	4.8	4.8	4.9	4.8	4.4	4.5	4.9	4.9	4.7	23	14
7	M7	4.9	4.9	5.0	4.8	4.9	4.5	4.8	4.8	4.8	4.8	14	8
8	M8	4.4	4.2	4.3	4.7	4.4	4.2	4.3	4.6	4.6	4.4	16	9
9	M9	4.5	4.7	4.6	4.8	4.7	4.6	4.3	4.8	5.0	4.7	11	9
10	M10	4.8	4.8	4.7	4.6	4.6	4.1	4.6	4.5	4.6	4.6	24	20
11	M11	5.0	4.7	4.7	4.7	4.7	4.0	3.7	4.3	5.0	4.5	7	3
12	M12	4.7	4.6	4.6	4.7	4.6	4.1	4.4	4.6	4.7	4.6	35	28
13	M13	5.0	4.8	4.9	5.0	4.6	4.6	4.8	4.8	4.8	4.8	8	8

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14	M14	4.6	4.6	4.4	4.5	4.5	4.2	4.4	4.7	4.6	4.5	27	34
15	M15	4.5	4.5	4.5	4.6	4.5	4.1	4.3	4.3	4.4	4.4	69	59
16	M16	4.9	4.7	4.7	4.8	4.4	4.2	4.4	4.4	4.6	4.6	10	10
17	M17	4.7	4.6	4.4	4.6	4.3	4.1	4.1	4.2	4.4	4.4	16	15
18	M18	4.5	4.5	4.4	4.4	4.3	3.9	4.2	4.1	4.3	4.3	88	77
19	M19	4.5	4.5	4.4	4.5	4.4	3.9	4.3	4.2	4.2	4.3	90	67
20	M20	4.8	4.8	4.5	4.8	4.8	4.8	4.5	4.5	4.3	4.6	8	4
21	M21	3.7	3.6	3.8	3.4	3.6	3.0	3.7	3.3	3.7	3.5	7	9
22	M22	4.3	4.3	4.2	4.2	4.2	3.9	4.0	4.1	4.3	4.2	80	43
23	M23	4.7	4.8	4.7	4.7	4.7	4.1	4.6	4.6	4.7	4.6	80	75
24	M24	4.2	4.2	4.2	4.1	4.3	4.1	4.0	4.0	4.1	4.1	55	36
25	M25	4.5	4.9	4.5	4.6	3.9	4.2	3.9	4.5	4.6	4.4	13	11
26	M26	5.0	5.0	4.9	5.0	4.8	4.4	4.3	4.8	4.9	4.8	15	15
27	M27	4.7	4.6	4.7	4.5	4.3	4.2	4.4	4.4	4.6	4.5	20	19
28	M28	4.7	4.8	4.7	4.8	4.6	4.2	4.4	4.5	4.5	4.6	60	52

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Prof.Praveen Bansal
Co-Coordinator, SIP-I

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR-05

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Summer Internship Feedback Report-2022

List of Modules offered for Summer Internship Program 2022

S.No.	Department	Name of Module	Module Coordinators
1.	**Civil Engineering**	Application of MATLAB and SPSS in Engineering Problems	Dr.Prachi Singh Dr. Hemant Shrivastava
2.		Introductory Course on Microsoft Office	Dr.Chayan Gupta & Dr.Jayvant Choudhary
3.		Introduction to Sustainable Engineering	Dr.Abhilash Shukla
4.	**Information Technology**	Programming using Python	Prof. Abhishek Dixit, Dr.Saumil Maheshwari
5.		Imbalanced Learning for classification	Dr.Bhagat Singh Raghuwanshi
6.		Problem Solving through programming	Dr Dhananjay Bisen
7.		JAVA (Core)	Dr.Vikram Rajpoot , Prof.Namrata Agrawal
8.		Data Handling Through MATLAB programming	Dr.Pawan Dubey, Dr.Tej Singh
9.		Scientific Writing Tools	Dr.Nidhi Saxena
10.	**Computer Science Engineering**	Introduction to SQL in Relational Database	Prof. KhushbooAgarwal Prof. Jaimala Jha
11.		Python Programming & its Applications	Prof.Mir Shahnawaz Ahmad & Prof.Arun Kumar
12.		Introduction to MATLAB Programming	Dr.Ranjeet Kumar Singh

13.	**Electrical Engineering Department**	Green Vehicle Technology	Prof. Ankit Tiwari Prof. Nikhil Paliwal
14.		Hands on training on MATLAB: Basics to Intermediate	Prof. Rahul Sagwal Dr. Vikram -
15.		Solar Photovoltaic (PV) DESIGN & Analysis using RETScreen	Prof. Saurabh Kumar Rajput Prof. Nipun Gupta
16.		Arduino Programming and Hardware Fundamentals	Prof.KuldeepSwarnkar, Dr.Yashwant Sawle Prof.BhavnaRathore
17.		Design of Electrical Circuits using Matlab/Simulink	Prof.Praveen Bansal Prof.Manoj Kumar
18.	**Electronics Engineering Department**	Microsoft Excel	Dr.Vandana vikas thakare, Dr.Karuna markam Prof.Pooja sahoo
19.		Training on Electronic Circuits Design using P-Spice along with PCB design	Dr. Varun Sharma Dr.Sushmita chaudhari
20.		Simulation using MATLAB/TinkerCad	Dr. Sandeep Sharma Dr Hemant Choubey
21.		Analog Circuits Simulation using LT-Spice	Prof.Madhav Singh Prof. Dinesh Rano
22.	**Mechanical**	Hands on practice on conventional machining and 3D printing	Dr. Dinesh Kumar Rathore Dr.Surendra Kumar Chourasiya
23.		Solar Energy Applications	Dr. Ravi Kant Ranjan
24.		Introduction to AUTOCAD for Engineering Applications	Mr. Sharad Agrawal Mr. UtkarshShrivastava

25.	**Mathematics and Computing Department**	Applications of Optimization Techniques	Dr.Divya Chaturvedi
26.		Discrete Mathematics and It's Application	Prof.Angad Singh Ojha
27.	**Architecture Department**	GRAPHIC THINKING	Ar. Richa Mishra Ar. Satyam Shukla
28.		Heritage & Tourism	Ar. Ankit Kumar, Ar. Versha Sinha
29.	**Chemical Engg. Department**	Environment Aspect and Related Issue's	Dr.Shourabh Singh Raghuwanshi
30.		Energy Generation from Waste	Prof. Anish P.Jacob
31.	**EDC cell**	Entrepreneurial skills	Dr. Prabhakar Singh Bhadouria

Feedback of Summer Internship -1 for Year 2022

Feedback Points:

F1	**Module Coordinator clearly defines the goals at the beginning of the Internship**
F2	**The lecture sequence was well planned**
F3	**The teaching aids effectively used**
F4	**The course exposed to you new knowledge and practices**
F5	**The quality of digital lectures/slides available through MOODLE, Youtube and other online platforms was good**
F6	**The Level of the module course is**
F7	**The work I performed are challenging and stimulating**
F8	**This Internship help me to grow professionally**
F9	**I would recommend this Internship to other students in future**
F10	**Suggestions**

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List of Modules (Feedback Received)	
M1	Analog Circuits Simulation using LT-Spice
M2	Application of MATLAB and SPSS in Engineering Problems
M3	Applications of Optimization Techniques
M4	Arduino Programming and Hardware Fundamentals
M5	Data Handelling Through MATLAB programming
M6	Designing of Electrical Circuits using Matlab Simulink
M7	Discrete Mathematics and It's Application
M8	Energy Generation from Waste
M9	Entrepreneurial skills
M10	Environmental Aspect & related issues's
M11	GRAPHIC THINKING
M12	Green Vehicle Technology
M13	Hands on training on MATLAB: Basics to Intermediate
M14	Imbalanced Learning for classification
M15	Introduction to AUTOCAD for Engineering Applications
M16	Introduction to MATLAB Programming
M17	Introduction to SQL in Relational Database
M18	Introduction to Sustainable Engineering
M19	Introductory Course on Microsoft Office
M20	JAVA (Core)
M21	Microsoft Excel
M22	Problem Solving through programming
M23	Programming using Python
M24	Python Programming & its Applications
M25	Scientific writing Tools
M26	Simulation using MATLAB/TinkerCad
M27	Solar Energy Applications
M28	Solar Photovoltaic (PV) DESIGN & Analysis using RETScreen
M29	Training on Electronic Circuits Design using P-Spice along with PCB design

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Feedback Received

S.No.	Module	F1	F2	F3	F4	F5	F6	F7	F8	F9	Average	No. of students registered	No. of students given Feedback
1	M1	4.7	4.8	4.7	4.6	4.6	4.6	4.8	4.6	4.7	4.7	17	8
2	M2	4.5	4.5	4.6	4.4	4.1	4.2	4.4	4.5	4.3	4.4	45	27
3	M3	4.8	4.8	4.8	4.8	4.4	4.5	4.7	4.5	4.4	4.6	29	13
4	M4	4.5	4.2	4.2	4.6	4.3	4.3	4.4	4.6	4.6	4.4	44	38
5	M5	4.6	4.4	4.4	4.7	4.3	4.2	4.4	4.5	4.7	4.5	41	32
6	M6	4.6	4.6	4.5	4.7	4.4	4.3	4.5	4.4	4.5	4.5	37	29
7	M7	4.5	3.9	4.2	4.3	3.8	3.7	3.9	3.9	4.0	4.0	41	32
8	M8	4.5	4.7	4.5	4.5	4.6	4.0	4.4	4.4	4.5	4.5	42	25
9	M9	4.9	4.9	4.7	4.8	4.6	4.3	4.6	4.7	4.7	4.7	43	41
10	M10	4.9	4.7	4.7	4.8	4.7	4.2	4.4	4.5	4.7	4.6	26	23
11	M11											48	1
12	M12	4.8	4.7	4.7	4.8	4.6	4.3	4.4	4.4	4.5	4.6	44	24
13	M13	4.3	4.0	4.3	4.4	4.2	4.1	4.1	4.1	4.1	4.2	40	38
14	M14	4.6	4.5	4.3	4.4	4.6	4.4	4.4	4.4	4.5	4.4	41	20
15	M15	4.4	4.1	4.3	4.4	4.1	4.0	4.2	4.2	4.3	4.2	47	22
16	M16	4.7	4.7	4.7	4.7	4.7	4.3	4.5	4.5	4.6	4.6	45	39
17	M17	3.3	3.0	3.0	4.0	3.3	3.0	3.7	3.3	3.0	3.3	50	3
18	M18	4.8	4.7	4.8	4.8	4.5	4.5	4.7	4.8	4.7	4.7	49	26
19	M19	4.6	4.7	4.4	4.5	4.3	4.1	4.4	4.4	4.3	4.4	46	14

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20	M20	4.6	4.1	4.2	4.3	4.3	3.8	4.1	4.2	4.4	4.2	48	36
21	M21	4.7	4.6	4.5	4.8	4.5	4.2	4.4	4.5	4.5	4.5	44	26
22	M22	4.4	4.6	4.5	4.6	4.4	4.2	4.4	4.4	4.5	4.4	50	34
23	M23	4.7	4.3	4.5	4.6	4.4	4.1	4.4	4.3	4.6	4.4	55	31
24	M24	4.6	4.6	4.6	4.5	4.5	4.2	4.4	4.4	4.6	4.5	55	40
25	M25	4.5	4.5	3.8	4.3	4.3	3.3	3.5	4.3	4.5	4.1	42	4
26	M26	4.6	4.6	4.7	4.5	4.3	4.3	4.5	4.4	4.4	4.5	42	38
27	M27	4.4	4.5	4.6	4.5	4.4	4.2	4.4	4.3	4.6	4.4	42	24
28	M28	4.9	4.9	4.8	4.9	4.9	4.5	4.7	4.7	4.8	4.8	45	35
29	M29	4.5	4.5	4.3	4.4	4.2	4.1	4.1	4.5	4.3	4.3	50	10

Prof.Swati Gupta
Co-Coordinator

Prof.Praveen Bansal
Co-Coordinator

Dr.Rajeev Kansal
Dean Student Welfare
Coordinator, SIP-I

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