

Report
on
Student Orientation Program
For
Batch in Internet of Things
(Offered by Department of Electrical Engineering)

IV Year
Academic Session: July-Dec 2023

Dated: 24/07/2023



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

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Department of Electrical Engineering

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Dr. Bhavna Rathore
EE-IoT IV Year Class
Coordinator

Dr. Praveen Bansal
Internet of Things (EE)
Coordinator



About the Program

The Electrical Engineering Department organized an orientation programme for the final-year B. Tech students (EE-IoT) on July 24th, 2023. The programme encompassed a wide range of sessions presented by esteemed faculty members. These sessions covered various topics, including the flexible curriculum scheme, OBE (CO, PO, PEO), internship program/modules, career opportunities, NPTEL, NEP-2020, NEC courses, Proficiency evaluation and assessment rubrics, mentor-mentee activities, institute guidelines for plagiarism, feedback, and lab visits. They were also introduced to students' clubs and achievements. At the end of the sessions, they were encouraged to share their overview of their experiences in the previous semesters and were also instructed to give their feedback on the orientation program.



Objective

1. Familiarize students with the Institute's and Department's Vision and Mission.
2. Inform students about the flexible curriculum scheme, student achievements, and engagement in student clubs & activities.
3. Discuss the significance of professional development and explore diverse career opportunities for future graduates.
4. Provide insights into the key aspects of the National Education Policy 2020 (NEP 2020).
5. Highlight the importance of NPTEL courses, NEC offerings, internships, and related opportunities.
6. Address examination-related inquiries and concerns raised by the students.
7. Create awareness among students about the options available for pursuing minors and honors programs.



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Schedule of Orientation Program of B. Tech EE (IoT) IV Year

Room No. - Seminar Hall 3

S. No.	Activity	Timing	Faculty In charge
1	Introduction to OBE (CO, PO, PEO)	12:00 to 12:10	Dr. Bhavna Rathore Dr Saurabh Kumar Rajput
2	Scheme/Courses/ Evaluation Process Curriculum & Various Electives	12:10 to 12:20	Class coordinator
3	Examination related discussion	12:20 to 12:30	Dr. Vijay Bhuria Dr Murli Manohar
4	Proficiency Evaluation and Assessment Rubrics for Laboratory Courses	12:30 to 12:45	Dr Bhavna Rathore
5	NPTEL: Registration, Passing Criteria, and Assignment Submissions, Honors & Minors Requirements	12:45 to 01:00	Dr. Praveen Bansal Dr Vikram
Lunch Break (1:00 to 1:30)			
6	Importance of Feedback (CO, PO, Faculty, Curriculum, Lab etc.,)	01.30 to 01.40	Dr Rakesh Narwey Dr Yashwant Sawle
7	Importance of Weekly Special Classes for Remedial Purpose	01.40 to 01.50	Prof. Kuldeep Kumar Swarnkar Dr Kaushal Pratap Senger
8	Importance of Student Chapters and Clubs	01.50 to 02.00	Prof. Vishal Chaudhary Dr Bhavna Rathore
9	Importance of Taking Participation in Technical Activities Outside the Institute	02:00 to 02:30	Dr Ankit Tiwari Dr Gaurav Khare
10	(a) Minor Projects	02:30 to 02:40	Dr Yahwant Sawle Dr Vijay Bhuria
	(b) Internship	02:40 to 03:00	Prof. Saurabh Kumar Rajput Dr. Vikram
16	Lab Visits	03:00 to 04:00	Class Coordinators and Concerned Technical Lab Staff
17	Feedback on Orientation Program	04:00 to 04:15	Class Coordinators



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Welcome of all students:

Dr. Bhavna Rathore initiated the program with a warm welcome of the students and faculties. Dr. Bhavna gave a brief overview of the program and its objectives.





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Introduction of the department:

Dr. Bhavna Rathore gave a brief history of the Department. She provided a concise overview of the Department's historical background and proceeded to introduce each faculty member, elucidating their respective roles and responsibilities. Furthermore, the students were familiarized with the institution's branding statement, followed by a comprehensive presentation of its vision and mission. The orientation also emphasized the alignment of the department's vision and mission with that of the institute, ensuring a cohesive and unified approach towards academic pursuits and goals.



Session given by Dr. Bhavna Rathore on Scheme of VII Semester



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Introduction to OBE (CO, PO, PEO)

Dr. Saurabh Kumar Rajput told the students about the department's OBE and NBA accreditation. He also talked about how the NBA accreditation would help them in their future studies and careers. Dr. Saurabh Kumar Rajput emphasized the significance of OBE-based education, CO, PO, and PEO mapping, and how our department maps CO with PO and PO with PEO. He also described how to compute the CO, PO, and PEO attainments.



Session given by Dr.Saurabh Rajput on Co/PO/PEO Attainment



Overview of Scheme/Courses/ Evaluation Process Curriculum & Various Electives

Dr. Bhavna Rathore introduced the seventh semester curriculum plan for Internet of Things students. She highlighted the direct relevance of the coursework in this semester to both academic excellence and future professional accomplishments. She discussed the significance of additional courses in their jobs, as well as how to obtain the requisite credits and CGPA for their degree with honours or minors.





Importance of Student Chapters and Clubs

In this session, Prof. Vishal Chaudhary exposed the students about the student clubs and their successes in extracurricular activities, such as cultural, sports, research, and NPTEL examinations, at the institute/state/national level.



Session given by Prof. Vishal Chaudhary on Club activities of the department



Importance of Taking Participation in Technical Activities Outside the Institute

During this session, Dr. Ankit Tiwari acquainted the students with various technical activities hosted by MITS Gwalior and esteemed institutions. He emphasized the pivotal role these technical activities play in providing career opportunities and furthering higher education prospects. Dr. Tiwari highlighted the significance of active participation in these activities to enhance their technical acumen and skillset.



Session given by Dr.Ankit Tiwari on Start-Up/In-house and outside extra curricular Activities



Importance of minor project and internship

During this session, Dr. Saurabh Kumar Rajput highlighted the importance of both minor projects and internship programs for students' academic and professional growth. He shed light on the valuable contributions these experiences make to their overall development. Dr. Rajput provided a comprehensive overview of the diverse internship programs available, tailored to align with the flexible curriculum system. He emphasized that to progress from the third to the fourth year, students must complete the soft skills internship program offered by the institute at the end of the second year, emphasizing its significance in their journey. Moreover, Dr. Rajput emphasized the significance of a final-year internship for enhancing placement opportunities and preparing students for their future careers.



Session given by Dr.Saurabh Rajput on Internship



Examination related discussion

During this informative session, Dr. Murli Manohar provided a detailed explanation of the credit requirements necessary to obtain a graduate degree from the institute. He also familiarized the students with the various modes of exam papers, ensuring they understood the examination process thoroughly. Furthermore, He conscientiously addressed common mistakes that students often make while filling out exam forms and during the examination itself, aiming to help them avoid potential pitfalls. He cautioned the students against engaging in any form of academic dishonesty, emphasizing that cheating in exams could lead to UFM.

Proficiency evaluation and assessment rubrics for laboratory courses

During this session, Dr. Bhavna Rathore elaborated on the guidelines and assessment criteria for the proficiency seminar and one-minute paper writing. She emphasized the importance of adhering to these criteria for a comprehensive evaluation. Dr. Rathore explained that the distribution of marks for the assessment would be divided as follows: 5 marks for the Course End Seminar, 3 marks for the One-Minute Paper Writing, and 2 marks for the Outcome based on the development of a product, research, or paper publication aligned with the respective courses. By adhering to these guidelines and rubrics, students could ensure a fair and balanced evaluation of their proficiency seminar and one-minute paper writing, aligning their efforts with the specific learning objectives of the course.



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NPTEL: registration, passing criteria, and assignment submissions, honors & minors' requirements

During the session, Dr. Praveen thoroughly explained the test pattern, enrolment process of SWAYAM/NPTEL/MOOCs/Placement courses for DE course registration; He also explained the credit transfer options from SWAYAM/NPTEL/MOOCs courses for degrees with minor or honor. He highlighted the significance of these supplementary courses in enriching their academic journey.



Session given by Dr.Praveen Bansal on Placement/MOOCs



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Importance of feedback (CO, PO, Faculty, Curriculum, Lab, etc.)

Prof. Rakesh Narvey highlighted the importance feedback on CO, PO, Faculty, Curriculum, Lab, etc. He also encouraged students to provide feedback whenever requested, since feedback is a vital element of improving our education system.



Session given by Prof. Rakesh Narvey on various Feedbacks



Lab visits

In this session, Laboratory of seventh semester were explained.

1. Visit of Advanced IoT Application Lab was conducted by Dr. Bhavna Rathore and Ms. Shashi Goel. They showcased and explained various equipment available in these labs to perform practical.
2. The Computer Lab and Industrial Automation Excellence Centre visits were conducted by Dr. Gaurav Khare and Dr. Praveen Bansal, respectively. Dr. Praveen Bansal explained the working and operation of different panels available in Industrial Automation Excellence Centre.
3. These lab visits provided students with hands-on exposure to practical applications and essential tools, enhancing their understanding and knowledge in their respective fields of study.



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Attendance

IoT (EE)Fourth Year

Number of students who attended program: 16

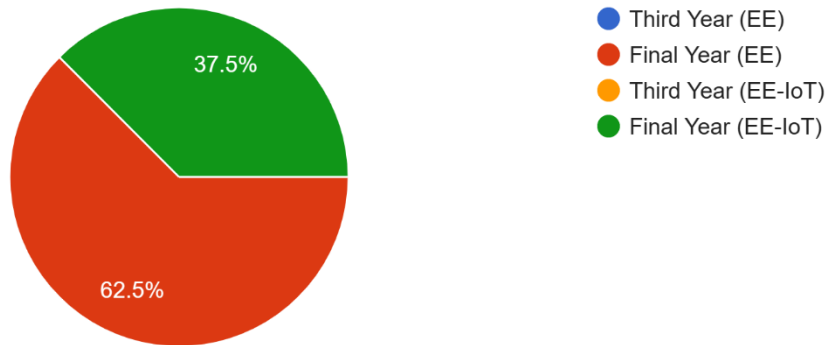
Name	Roll No.	Signature
Supriya Srivastava	0901E0201061	<u>Supriya</u>
Gauri Singhal	0901E0201023	<u>Gauri</u>
Shubham Bansal	0901E0201057	<u>Shu</u>
Utkarsh Pokhri	0901E0201064	<u>U</u>
Ishan Singh Bhadousia	0901E0201028	<u>Ishan</u>
Vanshika Patel	0901E0201065	<u>Vanshi P</u>
Abhay Singh Tomar	0901E0201071	<u>Abhay</u>
Neharika Mittal	0901E0201037	<u>Neharika</u>
Geetika Sharma	0901E0201044	<u>Geetika</u>
Rahul Sharma	0901E0201045	<u>Rahul</u>
Jai Raj Kiran	0901E0201029	<u>Jai Raj</u>
Dishant Singh	0901E0201022	<u>Dishant</u>
Yashika Agrawal	0901E0201068	<u>Yashika</u>
Shivangi Bikaneria	0901E0201055	<u>Shivangi</u>
Shradha Baijani	0901E0201020	<u>Shradha</u>
Anany Verma	0901E0201009	<u>Anany</u>



Student Feedback

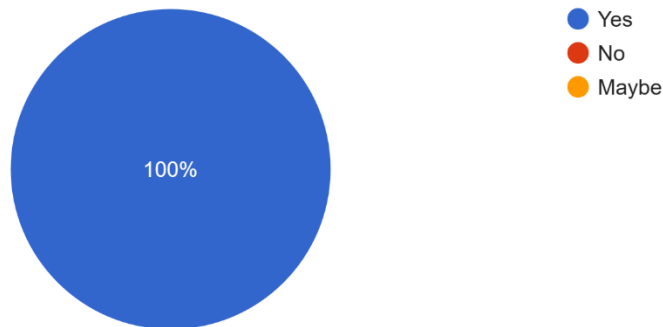
Year

16 responses



Do you know vision and mission of the institute and department?

16 responses





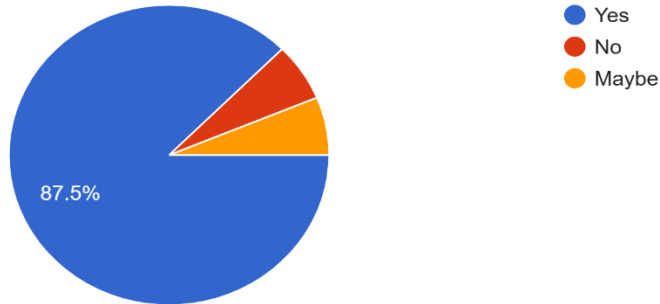
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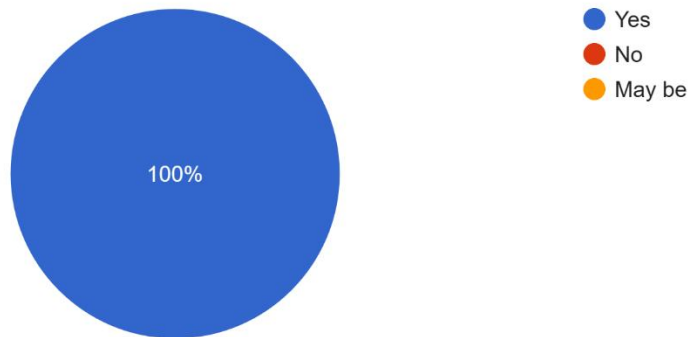
Did you get the information regarding CO, PO, PEO and PSO?

16 responses



Did you get the information regarding your scheme?

16 responses





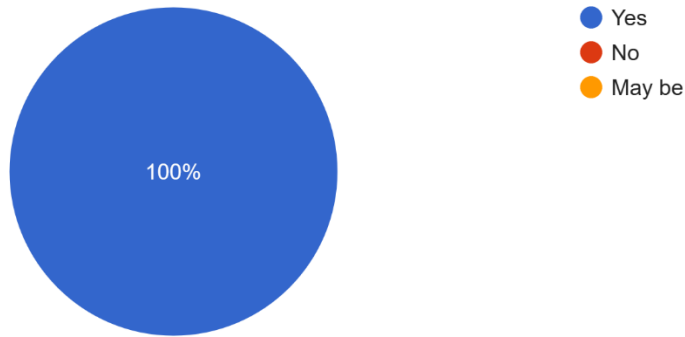
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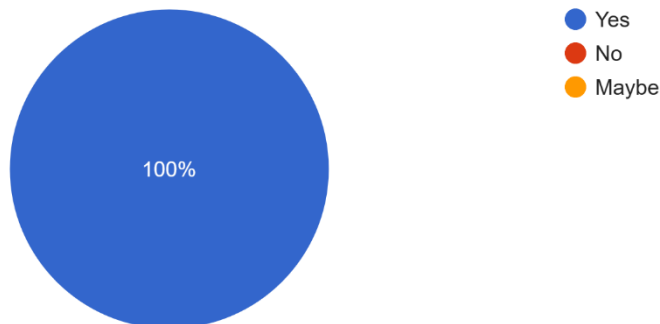
Did you get the information regarding your DE3 and DE4 courses (Offered by NPTEL)?

16 responses



Did you get the information regarding your OC2 Courses?

16 responses





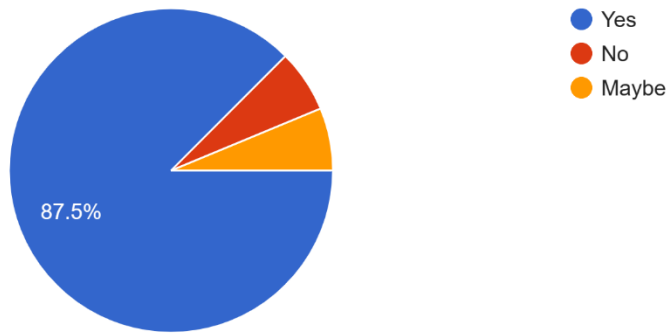
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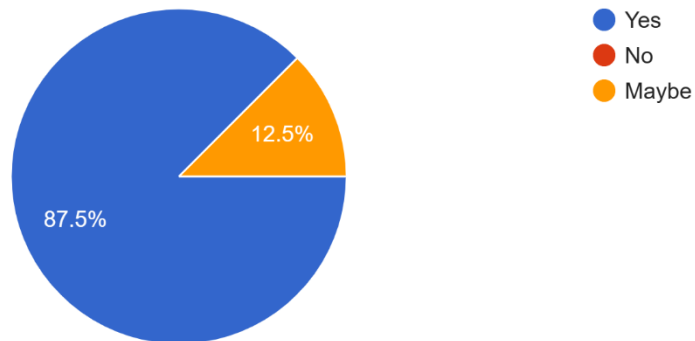
Did you get the information regarding Minors and Honors courses?

16 responses



Did you get the information regarding Minor Project/Major Project/ Internship?

16 responses





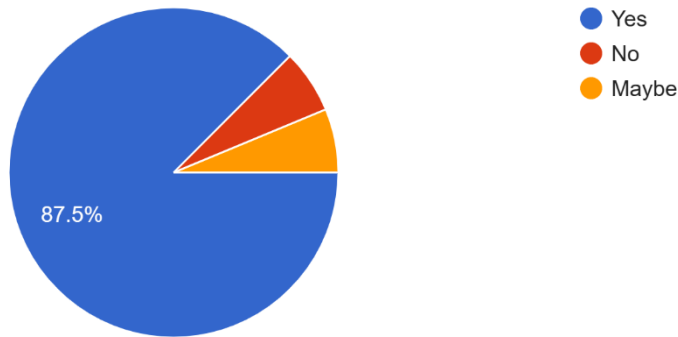
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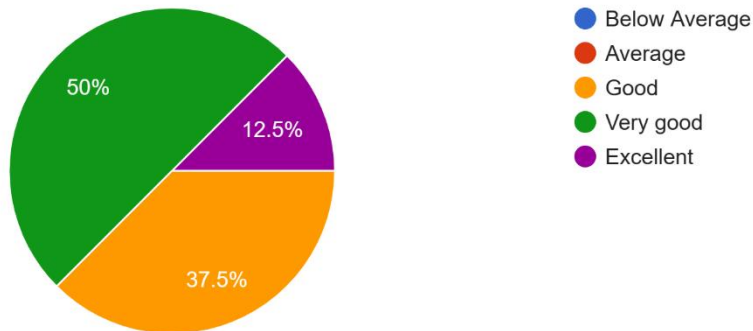
Did you get the information regarding PDC marks calculation?

16 responses



Rate overall orientation program.

16 responses



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