A Report
On
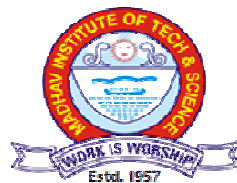# Orientation Program

For

B.Tech. III Semester
Electrical Engineering
(Batch 2022-26 Admitted Students)
On
1st August 2023

Organized By:

Department of Electrical Engineering

Schedule of Orientation Program
Electrical Engineering

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to RGPV, Bhopal
DEPARTMENT OF ELECTRICAL ENGINEERING

Schedule: Orientation Program for B. Tech. EE II Year

Room No. 107
Date: 01st August, 2023

S. No.	Activity	Timing	Faculty In charge
1	Introduction to Department, Faculty & Staff	11:00 AM - 11:15 AM	Prof. Vishal Chaudhary/ Dr. Nikhil Paliwal
2	Introduction to OBE (CO, PO, PEO)		
3	Scheme/Courses/ Evaluation Process Curriculum & Various Electives		
4	Road map of EE Curriculum	11:15 AM - 11:30 AM	Dr. Vijay Bhuria
5	Time Table	11:30 AM - 11:45 PM	Prof. Kuldeep Kumar Swarnkar
6	Importance of Weekly Special Classes for Remedial Purpose		
7	Proficiency Evaluation and Assessment Rubrics for Laboratory Courses	11:45 AM - 12:00 PM	Dr. Vikram
8	NPTEL: Registration, Passing Criteria, and Assignment Submissions, Honors & Minors Requirements		
9	Examination related discussion	12:00 PM - 12:30 PM	Dr. P.K. Singhal
10	Placement & Internship	12:30 PM - 01:00 PM	Mr. Vikram Rajput, Head, T&P Cell
Lunch Break (01:00 to 02:00 PM)			
11	Importance of Taking Participation in Technical Activities Outside the Institute. Industry Academia Interaction	02:00 PM - 02:15 PM	Dr. Ankit Tiwari
12	Importance of Feedback (CO, PO, Faculty, Curriculum, Lab etc.,)	02:15 PM - 02:30 PM	Prof. Rakesh Narvey
13	Importance of Student Chapters and Clubs	02:30 PM - 02:45 PM	Prof. Vishal Chaudhary
14	Lab Visits	02:45 PM - 03:30 PM	Prof. Asish Patra/ Dr. Himmat Singh
15	Feedback on Orientation Program	03:30 PM - 04:00 PM	Dr. Nikhil Paliwal

Note: As per the availability of activity in charge, the timing of activities can be changed

Prof. Vishal Chaudhary
Class Coordinator

Dr. Nikhil Paliwal
Class Coordinator

Dr. Sulochana Wadhwani
Prof. & Head, EED

Objectives

❖ To make students, who are admitted in **Electrical Engineering second-year**, feel comfortable in the new environment.

❖ To make the second-year students aware about the curriculum, labs, and other aspects of **Electrical Engineering Department**.

❖ To allow the second-year students admitted in **Electrical Engineering** to explore their academic interests through various activities and sessions.

Salient Points - Session Details
List of activities conducted during orientation program
01ˢᵗ August 2023 (Morning Session)

1. **Introduction to OBE (CO, PO, PEO, Vision, Mission)**

The students of Second year *Electrical Engineering* were warmly welcomed by *Prof. Vishal Chaudhary* who is the second-year class coordinator. He congratulated all the students on being promoted to second year and wished them good luck for the upcoming academic year. He introduced the faculty and the staff members who are presently working in the department of *Electrical Engineering* to the students.

Dr. Nikhil Paliwal briefed the students about the field of electrical, emerging technologies inthis field and provided them with departmental highlights. He also encouraged all the students to attend the classes regularly.

Then *Dr. Ankit Tiwari* continued the session and discussed the *Vision and Mission* of the department with the students. She laid emphasis on how *attitude and skill*mixed with knowledge are important for professional development. She discussed about the *course outcomes, program outcomes and program educational objectives* through which she attempted to make students understand about the course objectives and provided a vivid picture about what department is aiming through the **Electrical Engineering** program.

2. **Scheme/Courses/ Evaluation Process Curriculum and Various Electives (Course introduction, Credits, Commencement of classes, Mode of teaching)**

Prof. Vishal Chaudhary in this session introduced the courses of the semester with the students. He started by discussing the *scheme and the syllabus and the credit each course carries* and then began to briefly explain about the *Departmental core courses, Departmental Lab courses, MOOC platforms, and various electives of the **Electrical Engineering** branch.*

The importance of *online teaching and blended mode of classes* were also discussed by him. He reminded students about the commencement of classes in offline mode.

The process of *continuous evaluation* was discussed which presented the fact that students are being assessed regularly on the basis of quiz, assignments, provided to them and their response during the classes and not just on the basis of pen and paper mode exam. Through this he made students clear about the importance of attentiveness during the lectures.

3. **Road map of EE Curriculum**

This activity was performed by *Dr. Vijay Bhuria*. He discussed the agenda of the curriculum, about how it is planned to meet the program objectives.He elaborated about the present IoT curriculum and about its utility in the current employment scenario.

Recent advances in the curriculum were briefed. Also, the special importance was given to software languages for EE learning. **He discussed about various carrier opportunities in the**

field of EE and job searching methods were also discussed in detail in this session. The importance of resume building was also highlighted.

Employment opportunities through All India GATE,IES, etc were explained by *Dr. Vijay Bhuria*. At the end of the session students also made queries which were effectively answered by him.

4. **Time Table**

Time Table for the third semester was discussed by *Prof. Kuldeep Kumar Swarnkar*. He described the importance of weekly special classes for remedial purpose for *identifying slow, medium and fast learners and for problem solving and discussion.*

He emphasized on adhering to time-table for efficient learning.

The time table is as follows-

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TIME TABLE

| Session: July – Dec 2023 | | B. Tech./EE/II Year/III Semester | | | | w.e.f. 01.08.2023 | |

Time/ Day	10:00 AM to 11:00 AM	11:00 AM to 12:00 Noon	12:00 Noon to 01:00 PM		02:00 PM to 03:00 PM	03:00 PM to 04:00 PM	04:00 PM to 05:00 PM	05:00 PM to 06:00 PM
Monday	2100025 (Mathematics)	2130311 KKS	2130314 MK	**LUNCH**	3000003 (Batch B) AG 2130312 (Batch A) AL+ AP + RaS 2130314 (Batch C) MK + NP + RSY		3000003 (Batch A) AG 2130314 (Batch B) MK + NP + RSY 2130313 (Batch C) PS + SD + RPG	
Tuesday	2130313 PS	2130312 AL	2100025 (Mathematics)		2130312 (Batch C) AL+ AP + RaS 2130313 (Batch B) PS + SD + RPG 2130314 (Batch A) MK + NP + RSY		2130314 MK	NEC Concerned Faculty
Wednesday					2130315 Computer Lab -I AL/NP/DS		ICTK - 1000001 SK	
Thursday		2130312 AL	2130313 PS		2130314 MK	2130311 KKS	2130312 AL	
Friday	2100025 (Mathematics)	2130311 KKS	2130313 PS		3000002 AG	3000003 (Batch C) AG 2130312 (Batch B) AL+ AP + RaS 2130313 (Batch A) PS + SD + RPG		

Category Code	Course Code	Course Name	Faculty	Room No.	
BSC	2100025	Engineering Mathematics-II	Concerned Faculty	107	**Batch A** = Roll No. 01 – 35
DC	2130311	Electromagnetic Field Theory	Prof. Kuldeep K. Swarnkar		**Batch B** = Roll No. 36 – 70
DC	2130312	Electrical Machine-I	Prof. Anuj Lodhi/Prof. Ashish Patra/Mr. Rajesh Sharma		**Batch C** = Roll No. 70 Onwards
DC	2130313	Power System -I	Prof. Poonam Singh/ Dr. Shishir Dixit/Er. R.P. Gupta		
DC	2130314	Analog & Digital Electronics	Prof. Manoj Kumar/ Dr. Nikhil Paliwal/Er. R.S. Yadav		
NSS	3000002	Engineering Chemistry	Concerned Faculty		
DLC	2130315	Self-learning/ Presentation (SWAYAM/NPTEL/MOOC)	Prof. Anuj Lodhi/ Dr. Nikhil Paliwal	Computer Lab	
CLC	200xxx	Novel Engaging Course	Concerned Faculty		

Dr. Sulochana Wadhwani
Prof & Head, EED

5. **Proficiency Evaluation and Assessment Rubrics for Laboratory courses**

Dr. Vikram in this session stressed on *proficiency in professional development courses*. He also discussed about the guidelines for the *continuous evaluation of lab courses*. *The rubrics*for lab courses- *preparation, Report, Observation, Behaviour and Viva,*were briefly discussed by her.

He strictly spoke about *maintaining attendance* which is not only compulsory for writing examination but also for effective learning.

6. **NPTEL: Registration, Passing Criterion, and Assignment Submission, Honors &minor's requirements.**

Dr. Vikram continued the session wherein he elaborated about **SWAYAM/ NPTEL** courses in curriculum, their registration, passing criterion, exam and certification.

He explained to students about self-learning through such illustrous platforms and its various benefits in terms of achieving honours and minor certification.

7. Examination related discussion

The procedure of the examination was explained in detail to the students of second year by ***Dr. P.K. Singhal - exam controller***. He presented the *code of conduct* to be maintained during the exam strictly by the student. The care that must be taken while handling examination answer books, etc. were discussed by him. He also answered all the questions asked by the students during the discussion. The following points have been specifically discussed with the second-year students:

      A. ***The COs and Bloom's level taxonomy mapped question papers.***
      B. ***Structure of question papers.***
      C. ***Timely submission of exam form.***
      D. ***Criteria for forwarding the examination form by the department.***

8. Placement and Internship

Mr. Vikram Rajput*, the head of training and placement cell explained to students about various placement activities of the cell. He alsodescribed very well about how to embrace the**internship opportunities in leading MNCs and PSUs**. Students came to know about the **skills, attitude and mannerisms**to be developed by them, both on the personal and professional fronts to achieve the employment opportunities.

9. Importance of participating in technical activities outside the Institute

This activity was performed by ***Dr. Ankit Tiwari***. He on a light note to students said that all the answers cannot be found in class therefore student participation is mandatory outside the Institute to understand the culture of different spheres which will in turn bring laurels to the Institute and will certainly add to their personalities in a positive manner.

He emphasized on the fact that the certificates gathered in all such activities will strengthen the resume of the students which will benefit them in the long run.

Students were enlightened about government fellowships, their guidelines, procedure of applying for such fellowships, etc. were highlighted by him.

10. Importance of Feedback (CO,PO, Faculty, Curriculum, Lab)

Prof. Rakesh Narvey*during his session asked students to give regular feedback on faculty, curriculum, etc. He pressed on the point that how feedback is important in filling the gaps, learning from the mistakes and improving them.

He claimed that student and parent feedback is important for improving labs, class rooms, overall infrastructure and also the course and program outcomes. He concluded by saying that feedback improves motivation to learn and one must sincerely provide it when asked to do so.

11. Importance of Student Chapters and Clubs

How a student chapter serves as a gateway to student's professional development was explained by ***Prof. Vishal Chaudhary***. He underlined that the clubs and student chapters so formed within and outside the Institute will provide*social development and personal growth. The sense of sportsmanship is developed through these activities which helps people in growing as team players as well as individuals.*
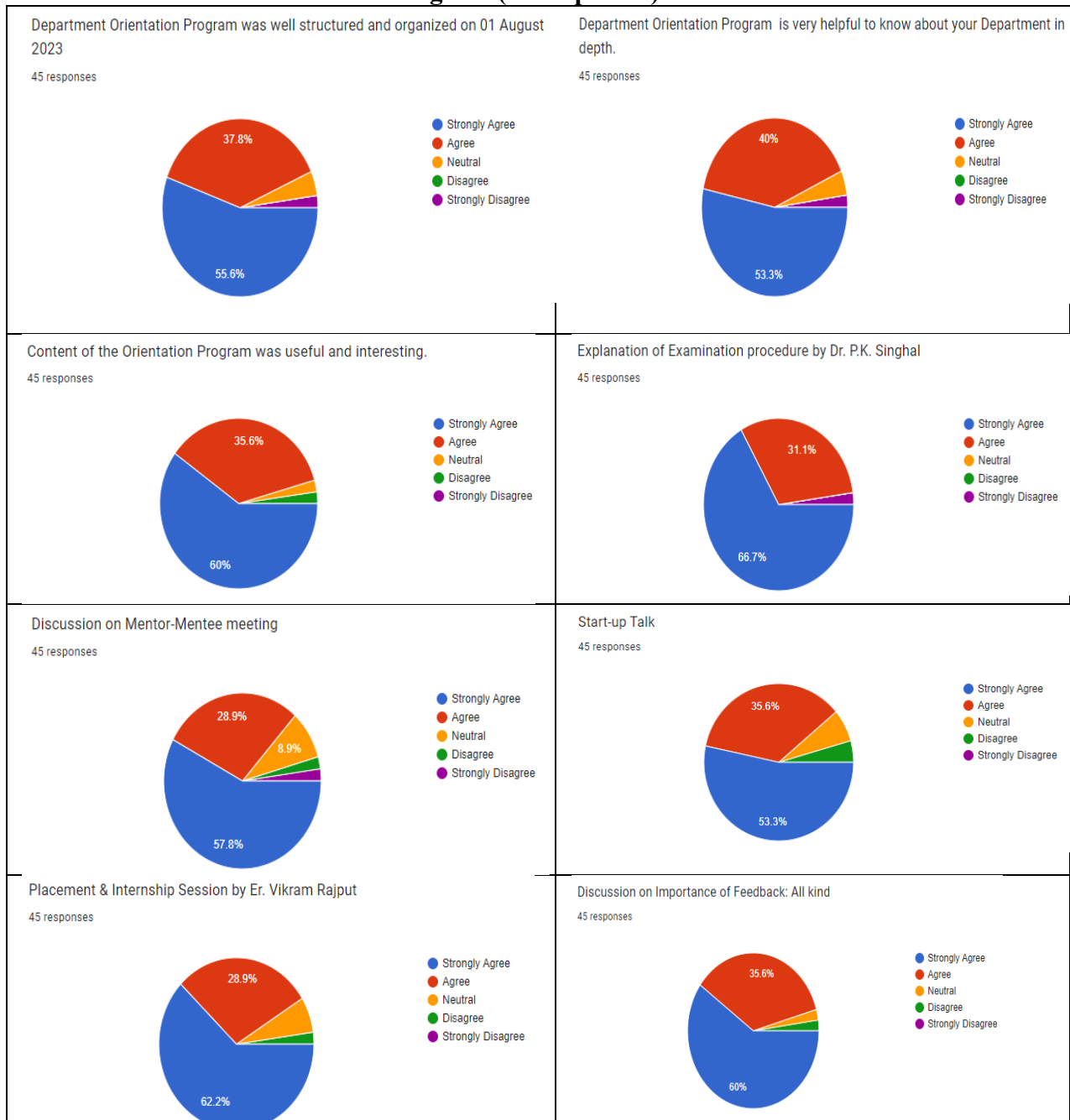
He spoke about how various clubs help in developing ambition and friendship among people.

12. Lab Visits

Students with the help of faculties and staff have visited the following labs during this session:

a) **Power system lab** by *Prof. Poonam Singh*, Assistant Professorand Er. R.P. Guptalab instructors

b) **Electrical machineslab** by *Prof. Anuj Lodhi*, Assistant Professorand Mr. Rajesh Sharmalab instructors,and.

c) **Analog and Digital Electronics** *lab* by Prof. Richa Sharma, Assistant Professor and Er. R.S. Yadav lab instructors

d) **Computer lab** by *Prof. Asish Patra,* Associate Professorand *Dr. Himmat Singh*, Assistant Professor

13. Feedback on Orientation Program (45 responses)

Department Orientation Program was well structured and organized on 01 August 2023

45 responses

- Strongly Agree — 55.6%
- Agree — 37.8%
- Neutral
- Disagree
- Strongly Disagree

Department Orientation Program is very helpful to know about your Department in depth.

45 responses

- Strongly Agree — 53.3%
- Agree — 40%
- Neutral
- Disagree
- Strongly Disagree

Content of the Orientation Program was useful and interesting.

45 responses

- Strongly Agree — 60%
- Agree — 35.6%
- Neutral
- Disagree
- Strongly Disagree

Explanation of Examination procedure by Dr. P.K. Singhal

45 responses

- Strongly Agree — 66.7%
- Agree — 31.1%
- Neutral
- Disagree
- Strongly Disagree

Discussion on Mentor-Mentee meeting

45 responses

- Strongly Agree — 57.8%
- Agree — 28.9%
- Neutral — 8.9%
- Disagree
- Strongly Disagree

Start-up Talk

45 responses

- Strongly Agree — 53.3%
- Agree — 35.6%
- Neutral
- Disagree
- Strongly Disagree

Placement & Internship Session by Er. Vikram Rajput

45 responses

- Strongly Agree — 62.2%
- Agree — 28.9%
- Neutral
- Disagree
- Strongly Disagree

Discussion on Importance of Feedback: All kind

45 responses

- Strongly Agree — 60%
- Agree — 35.6%
- Neutral
- Disagree
- Strongly Disagree

Photographs/Screenshots of the Orientation Program are as under:
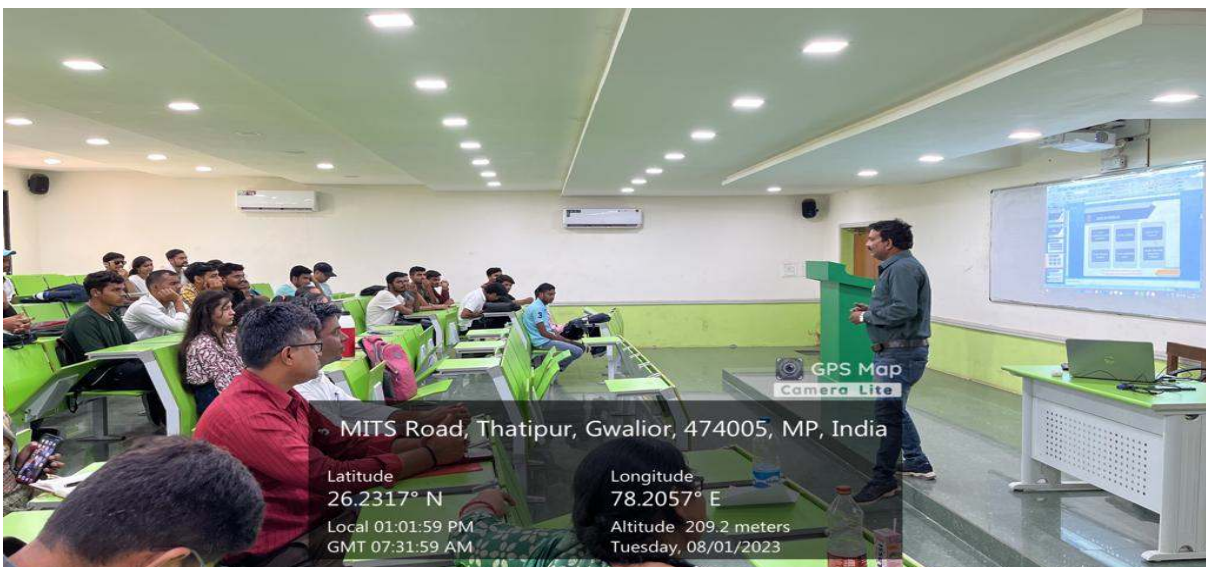
Attendance of the students of Electrical Engineering of second year, III semester
Total registered students: 101
Present: 32

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ELECTRICAL ENGINEERING DEPARTMENT

Orientation Program for B. Tech. II Year
Date: 01ˢᵗ August, 2023
Attendance Sheet

Sr. No.	Enrollment No.	Name	Signature
1.	0901EE221075	SHIVAM PATIDAR	
2.	0901EE221087	Sumit Kushwah	Sumit
3.	0901EE221096	VINAY SINGH	
4.	0901EE221086	SUBHAM RAJPUT	
5.	0901EE221046	Mohit barg.	M.K.barg
6.	0901EE221084	Sourabh Vishwakarma	Sarl
7.	0901EE221054	Pramath Nath Mishra	pramath
8.	0901 EE 221062	Rajat Khare	Khare
9.	0901EE221039	KAVI KUMAR	
10.	0901EE221017	Aman Varma	
11.)	0901EE221103	Aditya Singh Tomar	
12.)	0.901EE221041	Khushi Khandelwal	
13)	0901EE221051	Nandini Tomar	
14)	0901EE221016	Aman Sharma	
15)	0901EE221026	Ayush Singh Sengar	Ayush
16	0901EE221098	Vinayak Singh	Singh
17.)	0901EE221093	Vaishnav. V. Pillai	
18./	0901EE211091	Ribhu Pateriya	B
19)	0901EE211038	Dhruv semar	Dhruv
20)	0901EE221073	SHIKSHA GUPTA	Shiksha
21)	0901EE221104	Dinesh dubrakay	Dinesh
22)	0901 EE221082	Sonu Kumar	Sonukumar

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Sr. No.	Enrollment No.	Name	Signature
23)	0901EE221024	Avinash Kumar	Avinad.
24.	0901EE221029	Divyansh Singh	Dsingh
25.)	0901EE221074	Shinkal Kushwah	Shambhwah.
26>	0901EE221088	Sumit Singh Patel	sumit
27)	0901EE221019	ANKIT YADAV	
28)	0901EE221058	Priyanshu shivhare	Pour
29)	0901EE221007	Abhishek Sharma	
30)	0901EE221032	Gungun Sikarwar	Gungun
31)	0901EE221072	Shambhavi Sharma	Shambhavi
32)	0901EE221089	Tarun Bohare	Shamavas

Viishg.
Prof. Vishal Chaudhary
Class Coordinator

A. Paliwal
Dr. Nikhil Paliwal
Class Coordinator

Sulochana.
Dr. Sulochana Wadhwani
Prof. & Head, EED