

**A Report**  
**On**  
**Orientation Program**  
**For**  
**B.Tech. VII Semester EE**  
**(Batch 2020-24)**

**On**  
**24<sup>th</sup> July 2023**

**Organized By:**  
**Department of Electrical Engineering**



## Schedule of Orientation Program

### **MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

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

#### **Electrical Engineering Department**

**Date: 24/07/2023**

**Venue: SH-III**

#### **Schedule for EE,(VII Semester)**

<b>S. No.</b>	<b>Activity</b>	<b>Timing</b>	<b>Faculty In charge</b>
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	Dr. Himmat Singh Prof. Manoj Kumar
3	Time-Table	12:20 to 12:30	Dr. Nikhil Paliwal
4	NPTEL: Registration, Passing Criteria, and Assignment Submissions, Honors & Minors Requirements	12:30 to 1:00	Dr. Praveen Bansal Dr Bhawna Rathore
<b>Lunch Break (1:00 to 1:30)</b>			
5	Examination related discussion	01.30 to 01.40	Dr, P.K. Singhal
6	Internship	01.40 to 02:10	Dr Saurabh Kumar Rajput
7	Importance of Feedback ( Faculty, Curriculum, etc )	02:10 to 02.30	Dr. Himmat Singh
8	Importance of Taking Participation in Technical Activities Outside the Institute and PDC marks calculation	02:30 to 03:00	Dr Viktam Prof Manoj Kumar
9	Lab Visits	03:00 to 04:00	Class Coordinators and Concerned Technical Lab Staff

## Objectives

- To make the Fourth year students aware about the curriculum, different categories of open elective (OC) & Departmental Elective (DE) courses, other aspects of (EE) Department.
- To explain the importance of internship in carrier growth and brief about Honours and Minors degree.

## Salient Points - Session Details

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

Dr. Himmat Singh, conveyed a warm welcome to the Fourth year students of electrical Engineering department. He wished students for the future academic year and expressed his congratulations on their promotion to the fourth year.

The students were briefed by Dr. Saurabh Kumar Rajput about the Emerging Areas of Electrical technologies and their future impacts on society and Indian job sectors.

Dr. Bhavna Rathore resumed the discussion with the students by going over the department's vision and mission.

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

Prof. Manoj Kumar started discussing with the *scheme and the syllabus and the credit each course carries* and then began to briefly explain about the Open Elective and Departmental Elective courses and also their mode of conduction.

The concept of continuous evaluation was explored, demonstrating how students are evaluated on a regular basis not only on the basis of pen and paper exams but also on the basis of quizzes, assignments, and their participation in class.

### **3. Time Table**

Time Table for the third semester was discussed by *Dr. Nikhil Paliwal*. 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-

Session: July – Dec 2023		B. Tech./EE/Final Year/VII Semester			w.e.f. 31.07.2023				
Time/Day	10:00 AM to 11:00 AM	11:00 AM to 12:00 Noon	12:00 Noon to 01:00 PM	LUNCH	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		130720 (Batch A) RN + HS + YD] 130721 (Batch B) VC + AT + RPG			OC-2	DE-2 AKW/RN/VC			
Tuesday					OC-2	DE-2 AKW/RN/VC	130720 (Batch B) RN + HS + YD] 130721 (Batch A) VC + AT + RPG		
Wednesday					OC-2	DE-2 AKW/RN/VC			
Thursday									
Friday						DE-3/DE-4 (Online) NP/AT/KPS/BR/V			
Saturday						Universal Human Values & Professional Ethics (UHVPE) AT			

  

Category Code	Course Code	Course Name	Faculty	Room No.
DE-2	130717	Utilization of Electrical Energy	Dr. A. K. Wadhvani	SR-III
	130718	Electrical Drives	Prof. Rakesh Narvey	107
	130719	Electric Vehicle	Prof. Vishal Chaudhary	106
OC - 2	Concerned Department			
DLC	130720	Electrical Drives Lab	Prof. Rakesh Narvey/ Dr. Himmat Singh/Er. Y.D. Jaitai	Respective Lab
DLC	130721	Industrial Automation Lab	Prof. Vishal Chaudhary/ Dr. Ankit Tiwari/Er. R.P. Gupta	Respective Lab
MAC	1000008	Universal Human Values & Professional Ethics (UHVPE)	Dr. Ankit Tiwari	Online
DE-3 (SWAYAM/NPTEL/ MOOC platform)	130761	DC Microgrid And Control Systems	Dr. Nikhil Paliwal	Blended
	130762	Economic Operations And Control Of Power Systems	Dr. Himmat Singh	Blended
	130763	Sustainable Power Generation Systems	Dr. Ankit Tiwari	Blended
DE-4 (SWAYAM/NPTEL/ MOOC platform)	130764	Digital Switching	Dr. Kaushal P. Sengar	Blended
	130765	Sensor Technologies: Physics, Fabrication, And Circuits	Dr. Bhavana Rathore	Blended
	130766	Discrete-Time Signal Processing	Dr. Vikram	Blended

**Dr. Sulochana Wadhvani**  
Prof & Head, EED

#### 4. NPTEL: Registration, Passing Criterion, and Assignment Submission, Honors & minors requirements.

Dr. Bhavana Rathore continued the session wherein she elaborated about SWAYAM/ NPTEL courses in curriculum, their registration, passing criterion, exam and certification.

She explained to students about the enrolment steps and certain key points to remember for registration process. She also explains the Honours and Minor specialization with additional credit points criteria's.

#### 5. 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.

## **6. Internship**

Prof. Saurabh Kumar Rajput explains about the evolution of internship. He described about various internship programmed offered via NPTI Shivpuri, RRSL Ahmedabad etc. He also explained the role of Internship in career growth.

## **7. Importance of participating in technical activities outside the Institute**

*Dr. Vikram* describe the Importance of participating in technical activities inside and 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.

## **8. Importance of Feedback**

*Dr. Himmat Singh* 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.

## **9. Lab Visits**

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

- a). *Industrial Automation Lab* by Dr. Ankit Tiwari Assistant Professor.
- b) *Electrical Drives Lab* by Prof. Rakesh Narwey ,Assistant Professor.

Photographs/Screenshots of the Orientation Program are as under:





Attendance:

Total Registered: 135, Present 23

Name	Roll No.	Signature
1. PAKSHAM	0901EE201049	<u>Paksham</u>
2. Himanshu Arya	0901EE201056	<u>Himanshu</u>
3. Abhishek Solanki	0901EE201007	<u>Abhishek Solanki</u>
4. Om Chauhan	0901EE201085	<u>Om Chauhan</u>
5. Nikit Sharma	0901EE201020	<u>Nikit Sharma</u>
6. Aditya Mahari	0901EE201012	<u>Aditya</u>
7. Piyush Rajawat	0901EE201086	<u>Piyush</u>
8. RAHUL SHARMA	0901EE201097	<u>Rahul</u>
9. VIPIN SHARMA	0901EE201132	<u>Vipin</u>
10. Ram Gupta	0901EE201100	<u>Ram</u>
11. Neel Kamal	0901EE201078	<u>Neel Kamal</u>
12. Kunal Jolly Saxena	0901EE201067	<u>Kunal</u>
13. Nishant Shivastava	0901EE201080	<u>Nishant</u>
14. Himanshu Tiwari	0901EE201052	<u>Himanshu</u>
15. HRITYUNJ SONI	0901EE201058	<u>HRITYUNJ SONI</u>
16. Krishna Kushwaha	0901EE201065	<u>Krishna</u>
17. Aaditya Kumar Ahirwar	0901EE201001	<u>Aaditya</u>
18. Jasvendra Kumar Ahirwar	0901EE201060	<u>Jasvendra</u>
19. Harshid Gupta	0901EE201050	<u>Harshid</u>
20. Mohit Asthana	0901EE201070	<u>Mohit</u>
21. Sanjay Chaudhary	0901EE201109	<u>Sanjay</u>
22. Satya Bakeshwar Nagar	0901EE201111	<u>Satya</u>
23. Abhishek Keshavnath	0901EE201077	<u>Abhishek</u>