

**Report**  
on  
**Student Orientation Program**  
For  
**B.Tech. in Internet of Things**  
**Centre for Internet of Things**

**III Year/V Semester**  
**Academic Session: July-Dec. 2025**

**Dated: 28/07/2025**



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

**Deemed University**

**(Declared under Distinct Category by Ministry of Education, Government of India)**  
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## Orientation Schedule

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA

**Centre for Internet of Things**  
Orientation Program Schedule for B.Tech: Internet of Things, III Year (5<sup>th</sup> Sem.)  
Date: 28/07/2025, Venue: CIOT (M003)

S. No.	Activity	Timing	Faculty in charge
1	Offline Registration	10:00 AM to 10:30 AM	Dr. Murli Manohar/ Dr. Aftab Ahmed Ansari
2	Motivational Address by HoD / Representative	10:30 AM to 11:00 AM	Dr. Praveen Bansal
3	Discussion on Academic Calendar, Briefing about Curriculum, Scheme, Syllabus, and Dynamic Contents	11:00 AM to 11:20 AM	Dr. Murli Manohar/ Dr. Aftab Ahmed Ansari
4	Discussion on Evaluation and Examination Process & Summer Semester Provision	11:20 AM to 11:35 AM	Dr. Aditya Dubey
5	Significance of Communication Skills for Engineering Graduates	11:35 AM to 11:50 AM	Dr. Namita Arya
6	Introduction to Outcomes-Based Education (OBE), Course Outcomes (CO), Program Outcomes (PO), and Program Educational Objectives (PEO)	11:50 AM to 12:05 PM	Dr. Saurabh Kumar Rajput
7	Necessity of Semester Registration on IUMS / IMS	12:05 PM to 12:30 PM	Dr. Aftab Ahmed Ansari
8	Class Time Table, Evaluation procedure for 'proficiency', Importance of Attending Regular Classes	12:30 PM to 12:45 PM	Dr. Murli Manohar/ Dr. Aftab Ahmed Ansari
9	Briefing about SWAYAM /NPTEL Courses (with Credit Transfer) & for Self Learning	12:45 PM to 1:00 PM	Dr. Abhishek Narwariya
10	Importance of fair feedback	1:00 PM to 1:20 PM	Dr. Murli Manohar
11	Session by Proctor/Associate Proctor	1:20 PM to 1:30 PM	Dr. Vishal Chaudhary /Prof. Vaibhav Shivhare
<b>Lunch Break (01:30 to 02:00 PM)</b>			
12	Briefing about remedial/special /additional classes	2:00 PM to 2:20 PM	Dr. Murli Manohar
13	Session from TNP office, Communication Skill	2:20 PM to 2:30 PM	Mr. Vikram Rajput/ Ms. Hemlata Arya
14	Need of participation in student chapters and clubs' activities	2:30 PM to 2:45 PM	Dr. Kaushal Pratap Sengar
15	Importance and mechanism of Internship/Project	2:45 PM to 3:00 PM	Dr. Saurabh Kumar Rajput
16	Importance and mechanism of Minor and Honors Specialization	3:00 PM to 3:15 PM	Dr. Soumyajit Ghosh
17	Briefing about the "Professional Development" Component (Extra Curricular Activities and relating Credit Arrangement)	3:15 PM to 3:30 PM	Dr. Nookala Venu
18	Support for Placement / Higher Studies/ Competitive Exams/ Coding Proficiency	3:30 PM to 4:00 PM	Dr. Dhananjay Bisen
19	Discipline & Code of Conduct	4:00 PM to 4:15 PM	Dr. Priyanka Garg
20	Feedback on Orientation Program	4:15 PM to 4:30 PM	Dr. Murli Manohar/ Dr. Aftab Ahmed Ansari

Note: As per the availability of the activity in charge, the timing of activities can be changed  
It is mandatory for all students to attend the Orientation Program

*(Signature)* 25/07/2025  
Dr. Murli Manohar & Dr. Aftab Ahmed Ansari  
Assistant Professor  
Class Coordinator,  
3<sup>rd</sup> Year, Internet of Things

*(Signature)* 25/7/25  
Dr. Praveen Bansal  
Head,  
Centre for Internet of Things



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### Objectives

- To make students, who are admitted in Internet of Things /III year/V sem., feel comfortable in the new environment.
- To make the third-year students aware about the relevant Schemes/ Courses/ Evaluation Process Curriculum, open category & various Departmental Electives.
- To allow the students to explore their academic interests through various activities and sessions.
- To make the students aware about the relevant Schemes/ Courses/ Evaluation Process Curriculum, open category & various Departmental Electives.
- Aware about evaluation procedure through assessment rubrics for laboratory courses and PDC sheet.
- Awareness about NPTEL Courses, passing criterion in NPTEL courses, regular submission of assignments, avoiding common mistakes etc.
- Importance of feedback on (CO, PO, Faculty feedback, Curriculum) in quality improvement.
- Importance of Internships, projects for improving higher order thinking skills and also discussed procedure for assigning internship/projects to students.
- Brief about the professional skill & competencies component of scheme.

### Session Details

- **No of Registered students in the class** : **79**
- **No of students present** : **35**



## **List of activities conducted during orientation program**

### **1. Offline Registration and Welcome Address**

The Orientation program was started with offline registration of students which was done through Student IMS portal (online). The students of third-year Internet of Things were warmly welcomed by *Dr. Aftab Ansari* (EO Third-year class coordinator). He congratulated all the students on being promoted to fifth semester and wished them good luck for the upcoming academic year. He introduced the faculty and the staff members who are presently working in the Centre for Internet of Things to the students.

The session began with a motivational address by *Dr. Praveen Bansal*, Head, Centre for IoT. He emphasized the importance of professionalism, innovation, and discipline in the third year. Students were encouraged to focus on project work, internships, and placements with dedication.

*Dr. Soumyajit Ghosh* briefly explained the students about the emerging areas of IoT, and related field and provided them with departmental highlights. He also encouraged all the students to attend the classes regularly.

### **2. Introduction to the relevant Schemes/Courses/Evaluation Process Curriculum & various electives**

This session was conducted by *Dr. Aftab Ansari*. In this session, a brief overview of the courses introduced in this semester was presented and discussed with the students. He initiated the discussion with the scheme and syllabus and the credit each course carries, followed by a brief explanation regarding the Departmental Core Courses, Departmental Lab Courses of the Internet of Things branch, NEC Courses, Honors Track, and Minor Courses. The importance of online teaching and the blended mode of classes was also discussed by him. He informed the students about the commencement of classes in offline



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mode. During his session, he made students fully aware of the importance of regularity and sincerity in lectures.

### 3. Class Time Table discussion and Evaluation procedure for 'proficiency', assessment rubrics for laboratory courses and PDC sheet

The tentative Time Table of V semester (B.Tech./ Internet of Things) was discussed by *Dr.Soumyajit Ghosh*. *Dr. Ghosh* continued the session in which they focussed on proficiency Evaluation and professional development courses sheet. He discussed how students can earn PDC credits during their B.Tech degree. 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.

The process of continuous evaluation was also discussed, in which the students are assessed regularly on the basis of weekly quizzes, assignments provided to them, and their response during the classes, not just on the basis of pen-and-paper mode exams.



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### TENTATIVE TIME TABLE

Session: Jul.-Dec 2025      B.Tech./Internet of Things /III Year/V Semester      w.e.f. 28.07.2025

Day	09:00 AM to 10:00 AM	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		3220503 PG M001	3220505(A) KPS/NA M005	3220503(B) PG/SG M007			3220505(B) KPS/NA M205		3220502 NV M001	NEC Conc. F0
Tuesday		3220501 ALM001	3220505 KPS M001	3220504 RS2 M001			3220503(A) PG/SG M007			
Wednesday		3220505 KPS M001	3220504(B) RS2/AL M004	3220506(A) KPS/NA M007			3220501 AL M001	3220503 PG M001	3220504 RS2 M001	
Thursday			3220507 SG/MM M001	3220507 SG/MM M001			3220503 PG M001	3220504 RS2 M001	3220504(A) RS2/AL M004	3220506(B) KPS/NA M007
Friday			3220502 NV M001	3220501 AL M001			3220505 KPS M001			
Saturday			1000006 SG Online	1000006 SG Online						

Course Code	Category Code	Course Name	Faculty	Course Code	Category Code	Course Name	Faculty
3220501	DC	Advanced Engineering Measurements	Prof. Anuj Lodhi	3220505	MC	Data Sciences in IoT Lab	Dr. Kaushal Pratap Sengar Dr. Namita Arya
3220502	DC	Cloud Computing	Dr. Nookala Venu	3220505	MC	Data Sciences in IoT	Dr. Kaushal Pratap Sengar
3220503	DLC	IoT System Design Lab	Dr. Priyanka Garg Dr. Soumyajit Ghosh	3220506	PBL	Minor Project-I	Dr. Kaushal Pratap Sengar Dr. Namita Arya
3220503	DC	IoT System Design	Dr. Priyanka Garg	3220507	DLC	Self-learning/Presentation	Dr. Soumyajit Ghosh Dr. Murli Manohar
3220504	DLC	IoT Architecture and Protocols Lab	Prof. Rashmi Shrivastava Prof. Anuj Lodhi	1000006	MAC	Disaster Management	Dr. Soumyajit Ghosh
3220504	DC	IoT Architecture and Protocols	Prof. Rashmi Shrivastava				



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

Then *Dr. Saurabh Kumar Rajput* delivered the session and discussed the *Course curriculum* with the students. He laid emphasis on how *attitude and skill* mixed with knowledge are important for professional development. He discussed about the *course outcomes, program outcomes* through which he tried to make students aware about the course objectives and provided a deep insight regarding the vision and mission of the Internet of Things program. *Dr. Rajput* further discussed the Vision and Mission of the center with the students. Additionally, he elaborated on the course outcomes, program outcomes, and program educational objectives, providing students with a clear understanding of the course objectives.

#### **5. Awareness about NPTEL Courses, passing criterion in NPTEL courses, and Importance of Internship/Project**

*Dr. Abhishek Narwariya* conducted the session wherein he elaborated on SWAYAM/NPTEL courses in the curriculum, their registration process, passing criteria, examinations, and certification. He explained the concept of self-learning through such illustrious platforms and highlighted its various benefits, including achieving honors and minor certifications.

He continued the session and discussed the Internship/project guidelines, important timelines, and NOC procedure for Internship and evaluation methods. The importance of Internship /project selection aligned with career goals was emphasized. He also motivated the students for publishing research paper on their project topics.

#### **6. Importance of feedback on (CO, PO, Faculty feedback, Curriculum) in quality improvement**

*Dr. Soumyajit Ghosh* during his session asked the students to give regular feedback on faculty, curriculum, etc. He emphasized that how feedback is important in filling the gaps, learning from the mistakes and improving them. He claimed that students and parents



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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 motivated the students to always submit the valuable feedback whenever asked to do so.

### 7. Support for Placement / Higher Studies/ Competitive Exams/ Coding Proficiency

*Dr. Dhananjay Bisen* conducted this session and highlighted the importance of various opportunities for placement training, coding proficiency, and guidance for higher education and exams like GATE, GRE, and CAT etc. He also explained how the industry-oriented curriculum integrates advanced technologies ensuring that students acquire cutting-edge skills that enhance their employability. He further elaborated that by adopting the NEP-2020 framework, MITS emphasizes interdisciplinary learning, flexibility in course selection, and vocational training, fostering holistic development and preparing students for diverse career opportunities.

### 8. Examination related discussion

The procedure of the examination was explained in detail to the students by *Dr. Aditya Dubey*. The care that must be taken while handling examination answer books etc., was also discussed by him. He also answered all the questions asked by the students during the discussion. The following points were specifically discussed with the 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.

### 9. Role of Communication skill

The session regarding the importance of communication skill for engineering graduates, was delivered by *Dr. Namita Arya*. The session was aimed at making the students aware about the role of communication skill for their personal and professional growth. Additionally, students were also



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briefed on the available resources, including the libraries, and online platforms, to enhance their learning experience. She concluded the session by addressing queries from students and emphasizing the importance of time management and perseverance.

### **10. Briefing about the "Professional Development" Component (Extra Curricular Activities and relating Credit Arrangement)**

The session was conducted by *Dr. Nookala Venu* in which he discussed the importance of professional development component. He emphasized how the combination of attitude, skill, and knowledge is essential for professional development. 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 also 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.

### **11. Importance of participation in Student Chapters and Clubs**

How a student chapter serves as a gateway to student's professional development was explained by *Dr. Kaushal Pratap Sengar*. 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 help people in growing as team players as well as individuals. He stated about how various clubs help in developing ambition and friendship among people.



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## 12. Feedback on Orientation Program

Feedback of the students conducted through Google Form under the following points:

Discussion on Academic Calendar	Briefing about Curriculum, Scheme and Syllabus & Dynamic Contents	Discussion on Evaluation and Examination Process & Summer Semester Provision	Discussion on the list of Open Category Courses offered through MIT S-DU MOCS.	Mandatory Registration on SWAYAM/NPT EL for DE Courses	Significance of Communication Skill for Engineering Graduates	Outcome Based Education (OBE) - What, Why, and How	Necessity of Semester Registration on UMS/IMS	Importance of Attending Regular Classes	Briefing about SWAYAM/NPT EL Courses (with Credit Transfer) & Self-Learning	Importance of Attending Mandatory Workshops	Importance of Fair Feedbacks	Briefing about Remedial / Special / Additional Classes	Importance of Mentor-Mentee Scheme	Briefing about the Academic Bank of Credits (ABC)	Need of Participation in Students' Chapters and Clubs Activities	Briefing about Professional Certification Courses and Their Importance	Importance and Mechanism of Minor and Honors Specialization	Briefing about the Professional Skills & Competencies (PSC) Component	Briefing about the "Professional Development/Component (Extra-Curricular & Credit Arrangement)	Support for Placement / Higher Studies/Competitive Exams/Coding Proficiency	Discipline & Code of Conduct
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	2	2	2	2	4	3	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2
5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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5	5	5	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5
4	4	4	5	5	5	5	5	4	4	5	5	5	5	5	5	3	4	3	4	4	4
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5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

Rating Scale: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent



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### Suggestions received:

- Organize communication, aptitude, and placement-focused sessions to improve campus recruitment success.
- Conduct regular interview practice sessions to boost placement readiness.



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## *Glimpes of the Orientation Program:*





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## Attendance- Orientation Program, Internet of Things/III Year

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**Orientation Program  
(EO V~~III~~ Sem, Jul - Dec, 2025)**

Date/ Time | 28<sup>th</sup> July 2025, 10:00 AM onwards

**Attendance Sheet**

S.No.	Students Name	Enrollment No.	Signature
1.	Dilakash Kham	0901E0231018	Dilakash
2.	PANKAJ RANA	0901E0231040	Pankaj
3.	Mohit Tiwari	0901E0231035	M Tiwari
4.	Rishi Sharma	0901E0231057	Rishi
5.	Rahul Rathore	0901E0231002	Rahul
6.	Sneha Narwaria	0901E0231065	Sneha
7.	Harshit Kadam	0901E0231024	Harshit
8.	Nitih Sharma	0901E0231038	Nitih
9.	Vijayvati viok	0901E0243003	Vijayvati
10.	Deshoree pharma	0901E0231017	Deshoree
11.	Shrashi Agarwal	0901E0231063	Shrashi
12.	Yug Srivastav	0901E0231078	Yug
13.	Kishan Shrivastava	0901E0231028	Kishan
14.	Parul Sharma	0901E0231041	Parul
15.	Lubhanshi Kawadkar	0901E0231031	Lubhanshi
16.	Chinmay Upadhyaya	0901E0231015	Chinmay
17.	Utkarsh singhal	0901E0231071	Utkarsh
18.	Vinayak Mishra	0901E0231075	Vinayak
19.	Manojit Gumber	0901E0231032	Manojit
20.	Sumit Singh Baghel	0901E0231068	Sumit
21.	Auditi Sharma	0901E0231010	Auditi
22.	Yash Gupta	0901E0231076	Yash
23.	Sneha Rathore	0901E0231066	Sneha
24.	Aayansh Rathore	0901E0231002	Aayansh



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25.	Kaunty Singh Rajawat	0901E0231027	trf
26.	Rituraj Singh Rajawat	0901E0231058	<del>trf</del>
27.	Pranjal Sharma	0901E0231044	Pranjal
28.	Varenyan Joshi	0901E0231072	Varenyan
29.	Harsh Pratap Singh	0901E0231023	harsh.
30.	Rajvardhan Singh	0901E0231053	RA
31.	Awanish Mishra	0901E0231013	
32.	Rajvardhan Singh	53	