

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

II Year
Academic Session: Jan.-June 2025

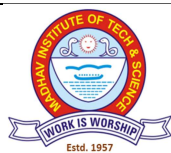
Dated: 06/01/2025



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

Deemed University

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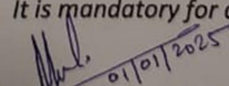
Orientation Program Schedule for B.Tech : Internet of Things, II Year (4th Sem.)

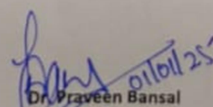
Date: 06/01/2025, Venue: CIOT

S. No.	Activity	Timing	Faculty In charge
1	Offline Registration	10:00 AM to 11:00 AM	Prof. Poonam Singh
2	Introduction to the relevant Schemes/Courses/Evaluation Process Curriculum & various electives	11:00 AM to 11:25 AM	Dr. Murli Manohar
3	Class Time Table, Evaluation procedure for 'proficiency', assessment rubrics for laboratory courses and PDC sheet	11:25 AM to 11:35 AM	Dr. Murli Manohar
4	Introduction to OBE (CO, PO and PEO)	11:35 AM to 11:50 AM	Dr. Bhavna Rathore
5	Awareness about NPTEL Courses, passing criterion in NPTEL courses, regular submission of assignments, avoiding common mistakes etc.	11:50 AM to 12:05 PM	Dr. Kaushal Pratap Sengar
6	Importance of feedback on (CO, PO, Faculty feedback, Curriculum) in quality improvement	12:05 PM to 12:30 PM	Dr. Murli Manohar
7	Distinct features of MITS curriculum and NEP-2020 and their relevance with placements	12:30 PM to 01:00 PM	Dr. Saurabh Kumar Rajput
8	Examination rules and regulation	01:00 PM to 01:15 PM	Dr. Bhavna Rathore/ Dr. Murli Manohar
9	Importance of integrity, ethics & institute guidelines for plagiarism	01:15 PM to 01:25 PM	Dr. Aftab Ahmed Ansari
10	Session by Proctor/Associate Proctor	01:25 PM to 01:40 PM	Dr. Vishal Chaudhary /Prof. Vaibhav
Lunch Break (01:40 to 02:00PM)			
11	Importance of projects for improving higher order thinking skills, Procedure for assigning minor projects/internship projects to students	02:00 PM to 02:30 PM	Dr. Geetam Shukla
12	Importance of Internships	02:30 PM to 02:45 PM	Dr. Saurabh Kumar Rajput
13	Session from TNP office	02:45 PM to 3:00 PM	Mr. Vikram Rajput Ms. Hemlata Arya
14	Need for participation in student chapter, club activities etc. for students' overall development	03:00 PM to 03:15 PM	Dr. Kaushal Pratap Sengar
15	Regarding attendance, mid-term tests, weekly quizzes tips for faring well in examination etc	03:15 PM to 03:30 PM	Prof. Vinay Gupta
16	Importance of attending weekly special classes for remedial purposes	03:30 PM to 04:00 PM	Dr. Murli Manohar
17	Importance of taking part in technical activities outside institute/submission of such documents to class coordinator	04:00 PM to 04:15 PM	Prof. Poonam Singh
18	Feedback on Orientation Program	04:15 PM to 04:30 PM	Prof. Poonam Singh

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

It is mandatory for all students to attend the Orientation Program


01/01/2025
Dr. Murli Manohar & Prof. Poonam Singh
Assistant Professor
Class Coordinator,
II Year, Internet of Things


01/01/2025
Dr. Praveen Bansal
Coordinator,
Centre for Internet of Things



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Objectives

- To make students, who are admitted in Internet of Things second-year, feel comfortable in the new environment.
- To make the second-year students aware about the curriculum, labs, and other aspects of Internet of things.
- To allow the second-year students admitted in Internet of things to explore their academic interests through various activities and sessions.

Session Details

- **No of Registered students in the class** : 79
- **No of students present** : 34

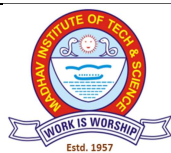
List of activities conducted during orientation program

1. Offline Registration

The Orientation program was started with offline registration of students which was done through Student IMS (online), after that students also submitted hard copy of registration form to class coordinators.

The students of second-year Internet of Things were warmly welcomed by *Dr. Murli Manohar and Prof. Poonam Singh* (EO Second-year class coordinators). They congratulated all the students on being promoted to fourth semester and wished them good luck for the upcoming academic year. They introduced the faculty and the staff members who are presently working in the Centre for Internet of Things to the students.

Prof. Poonam Singh briefed the students about the emerging areas of IoT, and related



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field and provided them with departmental highlights. She also encouraged all the students to attend the classes regularly.

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

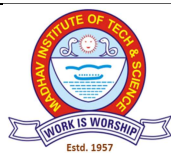
This session was conducted by Dr. Murli Manohar. In this session, a brief overview of the courses introduced in this semester was presented and discussed with the students. He initiated the discussion with the scheme and syllabus and the credit each course carries, followed by a brief explanation regarding 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 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 IV semester (B.Tech./ Internet of Things) was discussed by *Dr. Murli Manohar*.

Dr. Murli Manohar 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: Jan. – June 2025		B.Tech./Internet of Things/II Year/IV Semester				w.e.f. 07.01.2025				
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		3220401 PB/ M002	3220404 KPS/ M002	3220403 BR/ M002			3220405 MM/ M002	3220402 GS/ M002	3000001 SKD/ M002	
Tuesday		3220402 GS/0 M002	3220403(A) 3220404(B)	BR/PG M004 KPS/AD M005			3220405 MM/ M002	3220401 PB/ M002	3220404 KPS/ M002	
Wednesday		3220403 BR/ M002	3220404 KPS/ M002	3220402 GS/ M002			3220403(B) 3000001(A)	BR/PG M004 SKD/ Phy Lab		
Thursday			3220405 MM/ M002	3220401 PB/ M002			3220402(A) 3000001(B)	GS/SG M004 SKD/ Phy Lab		NEC
Friday			3220402(B) 3220404(A)	GS/SG M004 KPS/AD M005			3220401 PB/ M002	3220403 BR/ M002		NEC
Saturday			1000005 GS/ ONLINE	1000005 GS/ ONLINE						

Category Code	Course Code	Course Name	Faculty
DC	3220401	Embedded Control of Electric Motors	Dr. Praveen Bansal (PB)
DC	3220402	Wireless Technologies for IoT	Dr. Geetam Shukla (GS)/ Dr. Soumyajit Ghosh + Ms. Shashi Goel
DC	3220403	Microprocessor & Embedded Systems	Dr. Bhavna Rathore (BR) + Dr. Priyanka Garg (PG) + Ms. Shashi Goel
DC	3220404	Software Engineering	Dr. Kaushal Pratap Sengar (KPS)/ Dr. Aditya Dubey (AD) + Mr. Gourav Jha
DC	3220405	Network and Web Security	Dr. Murlli Manohar
CLC	200xxx	Novel Engaging Course	Concerned Faculty
NSS	3000001	Engineering Physics	Dr. Shailendra Kumar Dwivedi (SKD)
MAC	1000005	Project Management & Financing	Dr. Geetam Shukla (GS)

Note: Please contact your class coordinator/ course faculty for information on the distribution of students into Batch A and Batch B for lab sessions.

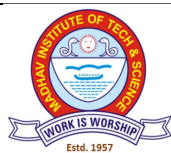
Dr. Murlli Manohar
Time Table Coordinator

Dr. Aftab Ahmed Ansari

Dr. Praveen Bansal
Coordinator, Centre for IoT

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

Then *Dr. Bhavna Rathore* 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. She 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. Rathore* further discussed the Vision and Mission of the center with the students. She emphasized how a combination of attitude, skill, and knowledge is essential for professional development. Additionally, she elaborated on the course



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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, regular submission of assignments, avoiding common mistakes etc.

Dr. Bhavna Rathore continued the session wherein she elaborated on SWAYAM/NPTEL courses in the curriculum, their registration process, passing criteria, examinations, and certification. She explained the concept of self-learning through such illustrious platforms and highlighted its various benefits, including achieving honors and minor certifications.

Through this, she aimed to give students a vibrant picture of the goals of the Internet of Things program.

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

Dr. Murli Manohar 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 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. Distinct features of MITS curriculum and NEP-2020 and their relevance with placements

Dr. Saurabh Kumar Rajput conducted this session and stated that the MITS curriculum is uniquely designed to align with the demands of modern industries and the principles of the National Education Policy (NEP) 2020, making it highly relevant for placements. 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,



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flexibility in course selection, and vocational training, fostering holistic development and preparing students for diverse career opportunities. He further highlighted that the institute encourages innovation and entrepreneurial thinking through its incubation centers and startup support programs, aligning with NEP-2020's emphasis on imparting self-reliance and innovation. These distinctive features make the curriculum at MITS a strong foundation for student success in placements and professional growth.

8. Examination related discussion

The procedure of the examination was explained in detail to the students by *Dr. Murli Manohar*. The care that must be taken while handling examination answer books, etc. were 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. Briefing session by Proctor

The orientation program for second-year BTech students commenced with an insightful lecture delivered by the Proctor, *Dr. Vishal Choudhary*. The session aimed to guide the students as they transition into their second year of academic and personal growth. The Proctor began by welcoming the students and highlighting the importance of the second year as a critical phase in their engineering journey. Emphasis was placed on developing technical skills, participating in co-curricular activities, and building a solid foundation for future career prospects. The Proctor also discussed the importance of maintaining a balance between academics and extracurricular pursuits. The lecture covered key topics such as academic policies, discipline, and the role of mentorship. The Proctor encouraged students to actively engage with faculty and peers to foster collaborative learning. Additionally, students were briefed on the available resources, including laboratories, libraries, and online platforms, to enhance their learning experience. The Proctor concluded the



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session by addressing queries from students and emphasizing the importance of time management and perseverance. The lecture was both motivating and informative, leaving students inspired and well-prepared for the challenges ahead.

10. Importance of projects and participating in technical activities outside the Institute

The session was conducted by *Dr. Geetam Shukla* in which she discussed the importance of projects in experiential learning. She 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. She 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. The students were enlightened about government fellowships, their guidelines, procedure of applying for such fellowships, etc. were highlighted by her.

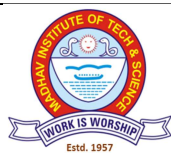
11. Importance of Student Chapters and Clubs

How a student chapter serves as a gateway to student's professional development was explained by *Dr. Namita Arya*. She 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.* She 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:

Software Engineering lab, Microprocessor Lab, and Wireless lab by Prof. Poonam Singh.



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13. Feedback on Orientation Program

Feedback of the students recorded on Google Form in following points:

The orientation program was well structured and organized.	The discussion on the semester scheme and list of courses was helpful.	Discussion on various MOOC/NPTEL courses was helpful:	Explanation on the importance of various feedbacks were useful:	Lab visits of new departmental labs were useful:	The session on training & placement activities was useful.	Discussion on MAC/NEC/O C/DE courses was useful:	Discussion on Major/Minor/Course Projects/Internship was useful:	Any other comments
4	3	4	4	5	4	4	5	Nicely conducted...
4	3	3	3	4	5	3	3	Good
5	5	5	5	3	4	4	4	,
4	4	4	4	3	3	3	3	.
5	5	5	5	5	5	5	5	N/a
5	5	5	5	5	5	5	4	.
5	5	5	5	5	5	5	5	Nice
5	5	5	3	4	3	4	5	No
4	4	5	5	5	5	5	4	No
4	4	5	5	5	5	5	4	Everything good
5	5	5	5	5	5	5	5	Nice
5	5	5	5	5	5	5	5	No
4	4	4	5	3	4	3	4	Nice
5	5	5	5	5	5	5	5	no
5	5	5	5	5	5	5	5	No



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3	3	3	3	3	3	3	3	no
5	5	5	5	5	5	5	5	No
4	4	4	4	4	4	4	4	No
5	4	3	3	3	5	5	5	.
5	5	5	4	5	4	5	5	excellent
4	4	4	4	4	4	4	4	Good
4	4	4	4	4	4	5	5	No
5	5	5	5	5	5	4	5	.
4	4	4	4	4	4	4	4	Nothing specific
4	4	4	4	4	4	4	4	good
5	5	5	5	5	5	5	5	Everything was nice!
5	5	5	5	5	5	5	5	No 😊
5	5	5	5	5	5	5	5	Nice Session

Glimpses of the Orientation Program:





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Attendance- Orientation Program, Internet of Things/II Year

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ORIENTATION PROGRAM (06/01/2025)
ATTENDANCE SHEET
B.Tech/Internet of Things /Second Year/IV Semester

S.No	Enrolment No	Name of Student	Sign.
1	0901E0231052	RAHUL RATHORE	RahulRathore.
2	0901E0231056	Rishav Singh Sikanwar	Rishav
3	0901E0231075	Vinayak Mishra	Vinayak
4	0901E0231071	Utkarsh singhal	Utkarsh
5	0901EE231010	Aaditi Sharma	Aaditi
6	0901E0231046	Pratima Sahu	Pratima
7	0901E0231020	Dinyanesh Gupta	D Gupta
8	0901E0231076	Yash Gupta.	Yash
9	0901E0231068	Sumit Singh Baghel	Sumit
10	0901E0231055	Rishabh Singh Rajawat	Rishabh
11	0901E0231031	Lubhanshu Khandekar.	Lubhanshu
12	0901E0231078	Yug Shrivastav	Yug
13	0901E0231017	Devshree Sharma	Devshree
14	0901E0231032	Mahak Bhadauria	Mahak
15	0901E0231065	Sneha Narwaria	Sneha
16	0901E0231063	Shroshiti Agarwal	Shroshiti
17	0901E0231042	PIYUSH PALIYA	Piyush
18	0901E0243001	Pragya Virek	Virek
19	0901E0231014	Ayush Raipaw	Ayush
20	0901E0231010	Aarjit Patidar	Aarjit
21	0901E0231057	Rishi Sharma	Rishi



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22	0901E0231025	JALAJ SHARMA	Jalaj
23	0901E0231030	Kavanya Tiwari	Kavanya
24	0901E0231024	Harshit Kadam	H
25	0901E0231070	Tarun adhwaryu	T
26	0901E0231038	Nitin sharma	Nitin
27	0901E0231040	Pankaj Rana	Pankaj
28	0901E0231018	Dilakash Khan	Dilakash
29	0901E0231027	Kauntey Singh Rajawat	KR
30	0901E0231044	Priyansh Sharma	Priyansh
31	0901E0231028	Harsh Patel S. Tomar	Harsh
32	0901E0231029	Kuldeep Rawat	Kuldeep
33	0901E0231053	Rajvardhan Singh	R
34	0901E0231033	Manjeet Gurjar	Manjeet
35			
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