



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

Deemed University
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Centre for Internet of Things
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Report
on
Student Orientation Program
For
B.Tech. in Internet of Things (IOT)
Centre for Internet of Things
II Year
Academic Session: Jan.-June 2025

Dated: 06/01/2025



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Orientation Program Schedule for B.Tech : Internet of Things (IOT), 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	Dr. Aditya Dubey
2	Introduction to the relevant Schemes/Courses/Evaluation Process Curriculum & various electives	11:00 AM to 11:25 AM	Dr. Aditya Dubey
3	Class Time Table, Evaluation procedure for 'proficiency', assessment rubrics for laboratory courses and PDC sheet	11:25 AM to 11:35 AM	Dr. Soumyajit Ghosh
6	Importance of feedback on (CO, PO, Faculty feedback, Curriculum) in quality improvement	11:35 AM to 12:00 Noon	Dr. Nookala Venu
7	Distinct features of MITS curriculum and NEP-2020 and their relevance with placements	12:00 Noon to 12:30 PM	Dr. Namita Arya
4	Introduction to OBE (CO, PO and PEO)	12:30 PM to 12:45 PM	Dr. Priyanka Garg
5	Awareness about NPTEL Courses, passing criterion in NPTEL courses, regular submission of assignments, avoiding common mistakes etc.	12:45 PM to 01:00 PM	Dr. Priyanka Garg
9	Importance of integrity, ethics & institute guidelines for plagiarism	01:00 PM to 01:15 PM	Dr. Soumyajit Ghosh
10	Examination rules and regulation	01:15 PM to 01:25 PM	Dr. Soumyajit Ghosh
8	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 Internships	02:00 PM to 02:15 PM	Dr. Soumyajit Ghosh
10	Session from TNP office	02:15 PM to 02:45 PM	Mr. Vikram Rajput Ms. Hemlata Arya
16	Importance of taking part in technical activities outside institute/submission of such documents to class coordinator	02:45 PM to 03:00 PM	Dr. Dhananjay Bisen
15	Importance of attending weekly special classes for remedial purposes	03:00 PM to 03:30 PM	Dr. Aditya Dubey
13	Need for participation in student chapter, club activities etc. for students' overall development	03:30 PM to 03:45 PM	Dr. Dhananjay Bisen
12	Importance of projects for improving higher order thinking skills, Procedure for assigning minor projects/internship projects to students	03:45 PM to 04:00 PM	Dr. Nookala Venu
14	Regarding attendance, mid-term tests, weekly quizzes tips for faring well in examination etc	04:00 PM to 04:15 PM	Dr. Soumyajit Ghosh
17	Feedback on Orientation Program	04:15 PM to 04:30 PM	Dr. Soumyajit Ghosh

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

Dr. Aditya Dubey
Assistant Professor
Class Coordinator,
2nd Year Internet of Things (IOT)

Dr. Praveen Bansal
Coordinator,
Centre for Internet of Things



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Objectives

- To make students, who are admitted in Internet of Things (IoT) 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 (IoT).
- To allow the second-year students admitted in Internet of things (IoT) to explore their academic interests through various activities and sessions.

Session Details

- No of Registered students in the class : 80
- No of students present : 35

List of activities conducted during orientation program

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

The students of second-year Internet of Things (IoT) were warmly welcomed by *Dr. Aditya Dubey* who is the second-year class coordinator. He congratulated all the students on being promoted to fourth 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.

Dr. Aditya Dubey briefed the students about the field of IoT, emerging technologies in this field and provided them with departmental highlights. He also encouraged all the students to attend the classes regularly.

Then *Dr. Priyanka Garg* continued the session and discussed the *Vision and Mission* of centre with the students. She laid emphasis on how *attitude and skill* mixed with knowledge



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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 centre is aiming through the Internet of Things (IoT) program.

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

Dr. Aditya Dubey 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 and Departmental Lab courses of the Internet of things (IoT) 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 IoT Curriculum

This activity was performed by *Dr. Soumyajit Ghosh*. 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 IoT learning. *He discussed about various carrier opportunities in the field of IoT and job searching methods were also discussed in detail* in this session. The importance of resume building was also highlighted.



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

4. Time Table

Time Table for 4th semester was discussed by *Dr. Aditya Dubey*. 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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TENTATIVE TIME TABLE

Session: Jan.-June 2025		B.Tech./Internet of Things (IoT)/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		3230422(B) NA/GS M004		3000004 SK/ SH12			3230421 PG/ SH12	3230422 NA/ SH12	3230421(A) PG/BR M004	3230423(B) NV/AD M005
Tuesday			3230424 PS/ SH12	3230423 NV/ SH12			3000004 Lab SK/ SH12		3230422(A) NA/GS M004	
Wednesday			3230421(B) PG/BR M004	3230423 NV/AD M005			3230425 AD/ SH12	3230424 PS/ SH12	3230423 NV/ SH12	
Thursday			3230425 AD/ SH12	3230424 PS/ SH12			3230422 NA/ SH12	3230421 PG/ SH12		
Friday			3230422 NA/ SH12	3230423 NV/ SH12			3230425 AD/ SH12	3230421 PG/ SH12		
Saturday			1000005 NV/ ONLINE							

Category Code	Course Code	Course Name	Faculty
DC	3230421	Microprocessors & Embedded Systems	Dr. Priyanka Garg (PG) / Dr. Bhavna Rathore + Ms. Shashi Goel
DC	3230422	Wireless Technologies for IoT	Dr. Namita Arya (NA) / Dr. Geetam Shukla (GS) + Ms. Shashi Goel
DC	3230423	Software Engineering	Dr. Nookla Venu (NV) / Dr. Aditya Dubey (AD) + Mr. Gourav Jha
DC	3230424	IoT Architecture and Protocols	Prof. Poonam Singh
DC	3230425	Network & Web Security	Dr. Aditya Dubey (AD)
CLC	200XXX	Novel Engaging Course (Informal Learning)	Concerned Faculty
NSS	3000004	Language	Dr. Sanjeev Khanna (SK)
MAC	1000005	Project Management & Financing	Dr. Nookla Venu (NV)

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. Aditya Dubey
 Time Table Coordinator

Dr. Soumyajit Ghosh

Dr. Praveen Bansal
 Coordinator, Centre for IoT

5. Briefing session by Associate Proctor

The orientation program for second-year BTech students commenced with an insightful lecture delivered by the Proctor, Prof. Vaibhav Shivhare. The session aimed to guide students as they transition into their second year of academic and personal growth. The



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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 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. The orientation served as a platform to instil confidence and a sense of responsibility among the attendees.

6. Proficiency Evaluation and Assessment Rubrics for Laboratory courses

Dr. Priyanka Garg in this session stressed on *proficiency in professional development courses*. She 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. She strictly spoke about *maintaining attendance* which is not only compulsory for writing examination but also for effective learning.

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

Dr. Priyanka Garg continued the session wherein she elaborated about SWAYAM/ NPTEL courses in curriculum, their registration, passing criterion, exam and certification. She explained to students about self-learning through such illustrious platforms and its various benefits in terms of achieving honours and minor certification.

8. Examination related discussion

The procedure of the examination was explained in detail to the students of second-year by *Dr. Soumyajit Ghosh*. 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:



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- 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. Importance of participating in technical activities outside the Institute

This activity was performed by *Dr. Dhananjay Bisen*. 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)

Dr. Nookala Venu during her 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 *Dr. Dhananjay Bisen*. 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*



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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:

Software Engineering lab, Microprocessor Lab, and Wireless lab by Dr. Soumyajit Ghosh.

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/OC/DE courses was useful:	Discussion on Major/Minor/Course Projects/Internship was useful:	Any other comments
5	5	5	5	5	4	4	5	Explained very well....
4	5	3	5	4	5	3	3	No
4	3	5	4	3	4	4	4	,
4	4	4	4	3	3	3	3	.
5	5	5	5	5	5	5	5	N/a
4	4	4	4	4	4	4	4	.
5	5	5	5	5	5	5	5	Nice
5	5	5	5	5	5	5	5	No
4	4	3	3	3	3	3	4	No
4	4	4	4	4	4	4	4	All was good



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5	5	5	5	5	5	5	5	Excellent
5	5	5	5	5	5	5	5	No
4	4	4	5	3	4	3	4	The orientation was nice
5	5	5	5	5	5	5	5	no
5	5	5	5	5	5	5	5	No
3	3	3	3	3	3	3	3	Java
3	3	3	4	5	5	5	5	No
4	4	4	4	4	4	4	4	No
5	5	5	5	4	4	5	5	.
4	5	5	5	5	5	5	5	Orientation was excellent
4	4	4	4	4	4	4	4	Good
4	5	4	3	3	3	5	5	No
5	5	5	5	4	5	4	5	.
4	4	4	4	4	4	4	4	No comments
4	4	4	4	4	4	4	4	The orientation program was good
5	5	5	5	5	5	5	5	Everything was perfect!
4	4	4	4	4	4	4	4	No
4	4	4	4	4	4	4	4	Good
5	5	5	5	5	5	5	5	No 😊
5	5	5	5	5	5	5	5	Nice Session



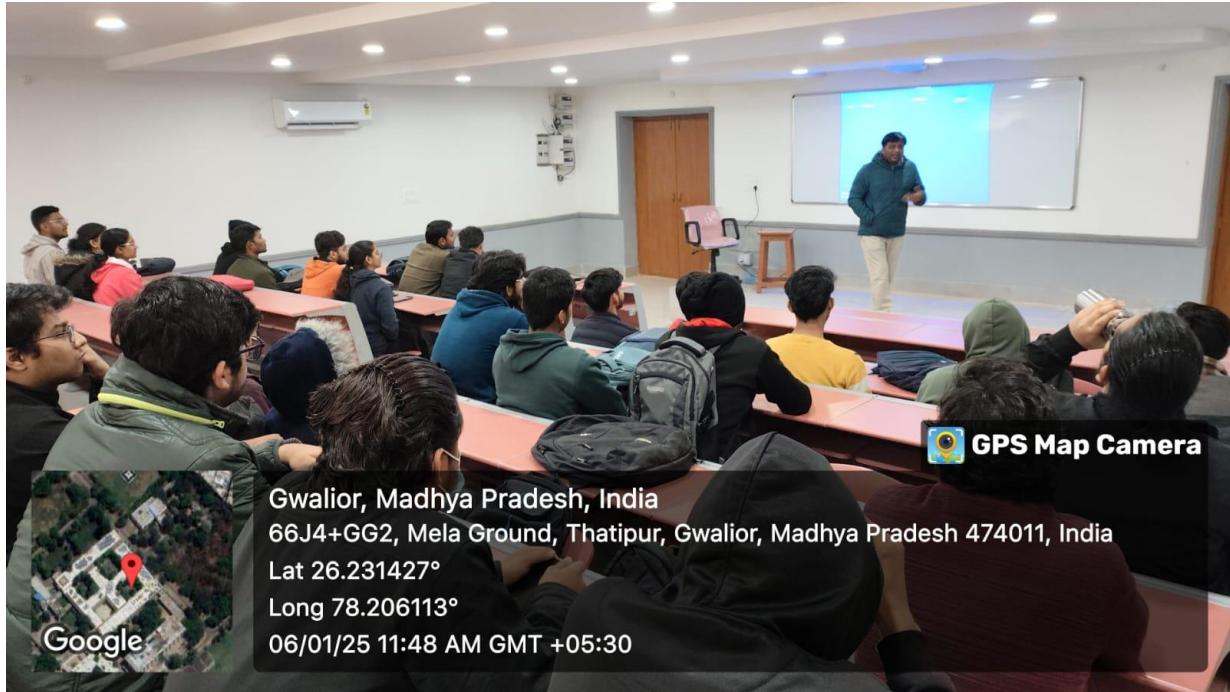
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Photographs/Screenshots of the Orientation Program:





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Attendance- Orientation Program, Internet of Things (IoT)

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

S.No	Enrolment No	Name of Student	Sign.
1	0901I0231062	Shlok Shrivastava	Shlok
2	0901I0231058	Satyam Mishra	Satyam
3	0901I0231049	Ronak Jain	Ronak
4	0901I0231057	Somcet Badwal	Somcet
5	0901I0231048	Ritik Kulkarni	Ritik
6	0901I0231043	Pragant Soni	Pragant
7	0901I0231036	Nitesh Patidar	Nitesh
8	0901I0231033	Mehak Kapoor	Mehak
9	0901I0231074	Vedika Dandekar	Vedika
10	0901I0231046	Prince Dhakad	Prince
11	0901I0231068	Amyanshu Rathore	Amyanshu
12	0901I0231022	Harshit Gupta	Harshit
13	0901I0231050	Sachin Baghel	Sachin
14	0901I0231056	Rankap Gupta	Rankap
15	0901I0231067	Suryansh Sharma	Suryansh
16	0901I0231072	Vaugh Kulshrestha	Vaugh
17	0901I0231004	Jatika Raman Pachosi	Jatika
18	0901I0231057	Shriika Kankane	Shriika
19	0901I0231003	Abhishek S. Nandwani	Abhishek
20	0901I0231026	Jay Prakash S. Bhalerao	Jay
21	0901I0231017	Dhanish Dabur	Dhanish



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22	0901I0231073	Vaani Gaud	Vaani
23	0901I0231030	Khushi Shakti	Khushi
24	0901I0231028	Khushi Kumari	Khushi
25	0901I0231065	Shubh Gupta	Shubh
26	0901I0231023	Mitansh Rautani	Mitansh
27	—1— 07	Ankit Jaisan	Ankit
28	—11— 06	Aman Bhadouraj	Aman
29	—11— 19	GURICHAN	Gurichan
30	0901I0231018	Garvit Khare	Garvit
31	0901I0233105	Udit Gupta	Udit
32	0901I0231025	Ishan Sharma	Ishan
33	0901I0231008	Ankit Sharma	Ankit
34	0901I01049	Prathmesh Gou Prathmesh Gou	Prathmesh
35	0901I0231055	Sanidhya Gupta	Sanidhya
36			
37			