Report

On

Student Orientation Program

For

B.Tech. in Internet of Things

Centre for Internet of Things

IV Year

Academic Session: Jan.-June 2025

Dated: 06/01/2025

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)
NAAC ACCREDITED WITH A++ GRADE

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Orientation Program Schedule for B.Tech : Internet of Things, IV Year (8th Sem.)

Date: 06/01/2025,

Mode: Online

Goggle Meet Link: https://meet.google.com/otp-wctp-uet

Otherwise, to join by phone, dial +1 832-779-4785 and enter this PIN: 582 761 498#

S. No.	Activity	Timing	Faculty In charge
1	Offline Registration	10:00 AM to 11:00 AM	Dr. Soumyajit Ghosh
2	Introduction to the relevant Schemes/Courses/Evaluation Process Curriculum & various electives	11:00 AM to 11:25 AM	Dr. Kaushal Pratap Sengar
3	Class Time Table, Evaluation procedure for 'proficiency', assessment rubrics for laboratory courses and PDC sheet	11:25 AM to 11:35 AM	Dr. Kaushal Pratap Sengar
4	Introduction to OBE (CO, PO and PEO)	11:35 AM to 11:50 AM	Dr. Geetam Shukla
6	Importance of feedback on (CO, PO, Faculty feedback, Curriculum) in quality improvement	12:05 PM to 12:30 PM	Dr. Bhavna Rathore
7	Distinct features of MITS curriculum and NEP-2020 and their relevance with placements	12:30 PM to 01:15 PM	Dr. Kaushal Pratap Sengar Dr. Soumyajit Ghosh
8	Session by Proctor/Associate Proctor	01:15 PM to 01:30 PM	Dr. Vishal Chaudhary /Prof. Vaibhav
9	Importance of integrity, ethics & institute guidelines for plagiarism	01:30 PM to 01:40 PM	Dr. Soumyajit Ghosh
10	Examination rules and regulation	01:40 PM to 01:50 PM	Dr. Bhavna Rathore
	Lunch Break (01:50 to 02:10PM)		
11	Importance of Internships	02:30 PM to 02:45 PM	Dr. Saurabh Kumar Rajput
12	Session from TNP office	02:10 PM to 02:30 PM	Mr. Vikram Rajput Ms. HemlataArya
13	Need for participation in student chapter, club activities etc. for students' overall development	03:00 PM to 03:15 PM	Dr. Murli Manohar
14	Importance of taking part in technical activities outside institute/submission of such documents to class coordinator	04:00 PM to 04:15 PM	Dr. Geetam Shukla
15	Feedback on Orientation Program	04:15 PM to 04:30 PM	Dr. Bhavna Rathore

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 1/1/25

Dr. Kaushal Pratap Sengar, Dr. Soumyajit Ghosh
Assistant Professor
Class Coordinator,
4th Year Internet of Things [redacted]

01/01/25

Dr. Praveen Bansal
Coordinator,
Centre for Internet of Things

Orientation Program Report

Internet of things, VIII Semester (Session: January- June 2025)

Objectives:

- Provide Final Semester Exposure: To ensure that students admitted to the IoT program in their final year (8th semester) receive appropriate exposure to the key components of the B.Tech final semester curriculum.
- **Awareness of Curriculum and Opportunities:** To make students aware of the IoT curriculum, internship opportunities, and other relevant academic and professional aspects of the program.
- **Encourage Academic Exploration:** To enable third-year students admitted to the IoT program to explore their academic interests through various activities, workshops, and sessions.

Session Details:

- No of Registered students in the class : 61
- No of students present : 37

List of activities conducted during orientation program:

1. The orientation program was conducted online using the Google Meet platform. It began with the online registration of students, which was facilitated through the Student IMS system. Following this, students also submitted a soft copy of the registration form via Google Form.

2. **Scheme/ Courses/ Evaluation Process, Syllabus, Curriculum, NEC Courses, Honors Track and Minors (Course introduction, Credits, Commencement of classes, Mode of teaching)**

   The session was conducted by Dr. Kaushal Pratap Sengar, who introduced the courses for the 8th semester to the students. He began by explaining the scheme, syllabus, and credit distribution for each course. Dr. Kaushal Pratap Sengar also provided an overview of the evaluation process.

3. **A session By Coordinator (Centre for IoT)**

Dr. Praveen Bansal, the Centre for IoT Coordinator, conducted a highly interactive session to motivate students as they embarked on their 8th semester. During the session, he emphasized the importance of their branch and its relevance in today's world. Dr. Praveen Bansal also encouraged students to actively participate in campus placement interviews and provided valuable insights on how to apply for internships at various companies, secure stipends, and explore career growth opportunities. He discussed the wide range of prospects available in the industry, inspiring students to make the most of these opportunities for a successful future.

4. **Introduction to OBE (CO, PO and PEO)**

Introduction to Outcome-Based Education (OBE), including Course Outcomes (CO), Program Outcomes (PO), and Program Educational Objectives (PEO), was conducted by Dr. Geetam Shukla. He explained the importance of OBE in enhancing the quality of education by aligning teaching and learning processes with clearly defined outcomes, ensuring that students acquire the necessary skills, knowledge, and attitudes required for their professional and personal growth. Dr. Shukla emphasized that OBE focuses on the achievement of specific learning outcomes, which are designed to meet the needs of the industry, academia, and society at large. He also

highlighted the role of OBE in fostering continuous improvement in education by regularly assessing and revising curricula to ensure relevance and effectiveness. Additionally, he discussed how OBE supports a student-centered approach to learning, encouraging active participation, critical thinking, and problem-solving skills. By bridging the gap between academic learning and practical applications, OBE prepares students to meet global challenges and become competent professionals in their respective fields.

5. Importance of Feedback for quality improvement:

The session on the **Importance of Feedback for Quality Improvement**, focusing on aspects such as Course Outcomes (CO), Program Outcomes (PO), faculty feedback, and curriculum enhancement, was conducted by Dr. Bhavna Rathore. She explained how feedback serves as a critical tool for driving continuous improvement in education. Dr. Rathore emphasized that feedback from students, faculty, and stakeholders provides valuable insights into the effectiveness of teaching methodologies, course content, and program design. She highlighted that analyzing this feedback helps in aligning the curriculum with the evolving needs of industry and academia, thereby ensuring that students achieve the desired learning outcomes. Additionally, she underlined the role of faculty feedback in identifying areas for pedagogical improvement and fostering an environment of collaborative growth. By integrating feedback into the quality assurance process, institutions can not only enhance academic standards but also ensure holistic development of students, preparing them to meet global challenges effectively.

6. NPTEL: Registration, Passing Criterion, and Assignment Submission, Honors & minors requirements and Introduction to Outcome Based Education

Dr. Bhavna Rathore continued the session by elaborating on the inclusion of SWAYAM/NPTEL courses in the curriculum. She discussed the registration process, passing criteria, exams, and certification for these courses. Dr. Bhavna Rathore highlighted the benefits of self-learning through these prestigious platforms, particularly in achieving honors and minor certifications. She emphasized the importance of combining attitude and skills with knowledge for professional development. Additionally, she explained the course outcomes, program outcomes, and program educational objectives, providing students with a clear understanding of the course objectives. She also painted a vivid picture of the Centre's goals through the Internet of Things (IoT) program, inspiring students to grasp its significance.

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

Dr. Nookala Venu, during his session, highlighted the importance of providing feedback on faculty, curriculum, and other aspects of the academic experience. He emphasized that feedback is essential for identifying gaps, learning from mistakes, and fostering continuous improvement. He concluded by stating that sincere and constructive feedback not only enhances the learning environment but also increases motivation to learn.

8. Briefing session by Associate Proctor

The orientation program for forth-year BTech students commenced with an insightful lecture delivered by the Proctor, Dr. Vishal Chaudhary. The Proctor began by welcoming the students and highlighting the importance of the forth 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.

9. 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:

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.

10. Importance of integrity, ethics, & institute guidelines for plagiarism

Dr. Soumyajit Ghosh discussed the guidelines for importance of integrity, ethics, & institute guidelines for plagiarism.

11. Skill Internship program and projects

Dr. Dhananjay Bisen discussed the guidelines for internships and project work scheduled for the 8th semester. He clearly outlined the timelines, rules, regulations, and evaluation procedures, including the Monthly Progress Reports (MPR). Dhananjay Bisen encouraged students to choose project topics related to recent technologies. Additionally, he provided practical advice and shared success stories of students from past batches.

12. Session from TNP Office

The Training and Placement session was conducted by Ms. Hemlata Arya. Her encouraging words during the session were instrumental in boosting the students' confidence, instilling a sense of purpose, and fostering determination. Looking ahead, she mentioned that the Training and Placement cell plans to introduce more personalized placement training sessions, along with regular motivational sessions, to continuously support and inspire students throughout their engineering journey.

13. Proficiency Evaluation, Assessment Rubrics for Laboratory courses and PDC Sheet

Dr. Nookala Venu conducted this session, where he focused on the professional development courses (PDC) sheet. He discussed how students can earn PDC credits during their B.Tech degree.

14. **Importance of Student Chapters and Clubs and participating in technical activities outside the Institute**

Dr. Aditya Dubey explained how a student chapter serves as a gateway to a student's professional development. He emphasized that clubs and student chapters, formed both within and outside the institute, contribute to social development and personal

growth. Through these activities, students develop a sense of sportsmanship, helping them grow as team players and individuals.

Dr. Aditya Dubey also discussed how various clubs foster ambition and friendship among students. He encouraged students to actively participate in technical and cultural events outside the institute. Additionally, he highlighted that the certificates earned from these activities would strengthen students' resumes and help them achieve better scores in the PDC Evaluation sheet.

15. Feedback on Orientation Program

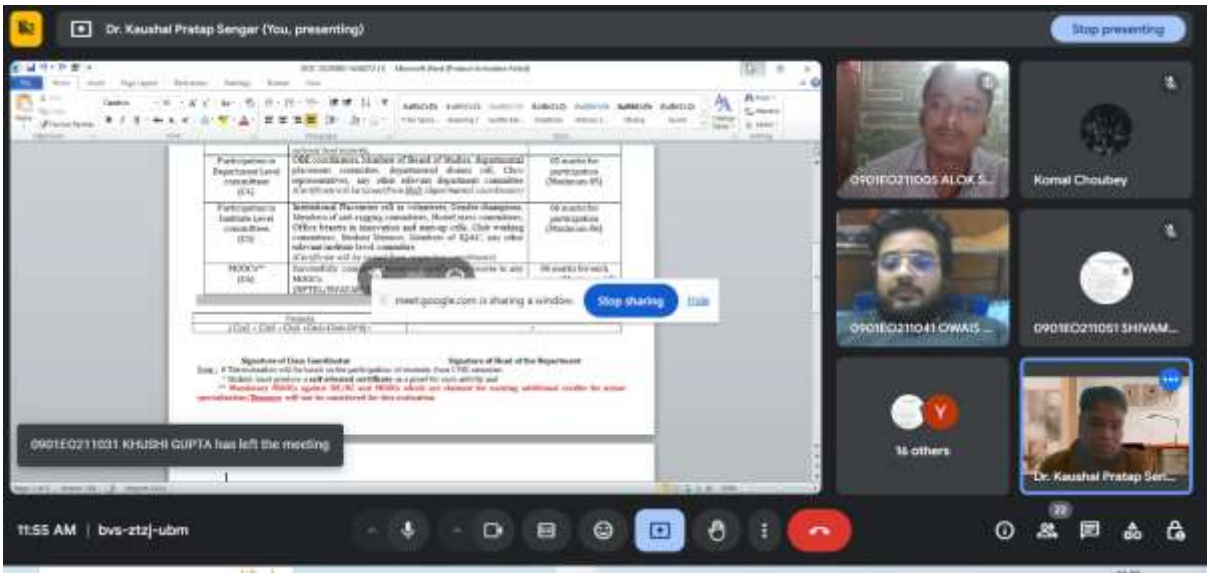
Feedback of the students recorded on Google Form in following points:

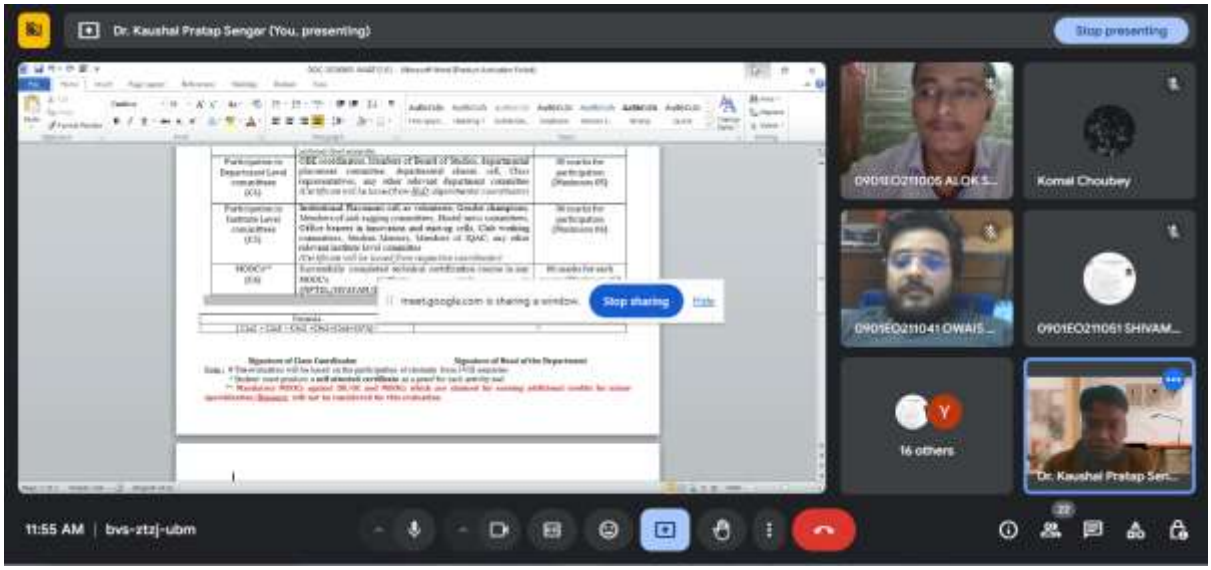
	The orientation program was well structured and organized.	The discussion on the semester scheme and list of courses was helpful.	Discussion on various MOOC/NPTEL courses was helpful:	Explanation on the importance of various feedbacks were useful	Lab visits of new departmental labs were useful	The session 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]
1	5	5	5	5	5	5	5	5	Yes
2	5	5	4	5	5	5	5	5	.

3	5	5	5	5	5	5	5	5	Its was very insightful and helpful
4	5	5	5	5	5	5	5	5	.
5	4	4	4	4	4	4	4	4	No
6	5	5	5	5	5	5	5	5	NO
7	5	5	5	5	5	5	5	5	Helpful orientation
8	3	3	3	3	3	3	3	3	
9	5	5	5	5	5	5	5	5	no
10	5	5	5	5	5	5	5	5	No comments
11	5	5	5	5	5	5	5	5	Na
12	4	4	4	4	4	4	4	4	No
13	4	4	4	4	4	4	4	4	Nice
14	4	4	4	4	4	4	4	4	No
15	5	5	5	5	5	5	5	5	Orientation program was very good.
16	4	4	5	5	3	4	5	5	Good work keep it up
17	5	5	5	5	5	5	5	5	.
18	5	5	5	5	5	5	5	5	No
19	5	5	5	5	5	5	5	5	Strongly agree
20	5	5	5	5	5	5	5	5	no

*5: Strongly agree. *4: Agree. *3: Neutral. *2: Disagree. *1: Strongly Disagree

Photographs/Screenshots of the Orientation Program:


Dr. Kaushal Pratap Sengar (You, presenting)
Stop presenting
Komal Choubey
16 others
0901EO211031 KHUSHI GUPTA has left the meeting
11:55 AM | bvs-ztzj-ubm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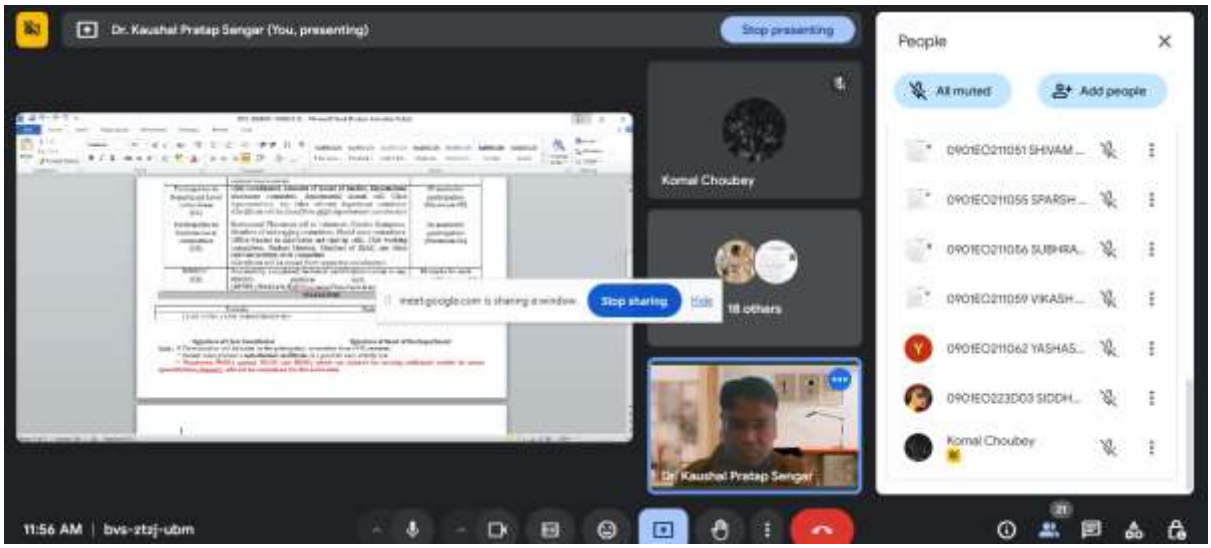

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