



Orientation Program Report

Internet of things (IoT), 8th Sem (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 : 68
- No of students present : 36

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. Nookala Venu, 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. Nookala Venu also provided an overview of the evaluation process.



3. A session By HOD (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. NPTEL: Registration, Passing Criterion, and Assignment Submission, Honors & minors requirements and Introduction to Outcome Based Education

Dr. Priyanka Garg 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. Priyanka Garg 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.

5. 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.

6. 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.

7. 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.

8. 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.

9. 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



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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.

10. Feedback on Orientation Program

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



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| | The orientation program was well structured and organized. | The discussion on the semester scheme and list of courses was helpful. | Discussion on various M O O C/ NPTEL courses was helpful: | Explanation on the importance of various feedbacks were useful | L a b v i s i t s o f n e w d e p a r t m e n t a l l a b s w e r e r e u s e f u l | Th e s e s s i o n o n t r a i n i n g & p l a c e m e n t a c t i v i t i e s w a s u s e f u l | D i s c u s s i o n o n M A C/ N E C / O C/ D E c o u r s e s w a s u s e f u l | D i s c u s s i o n o n M a j o r/ M i n o r/ C o u r s e P r o j e c t s/ I n t e r n s h i p w a s u s e f u l: | Any other comments] |
|---|--|--|---|--|---|--|---|---|---------------------|
| 1 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Great |
| 2 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | Nil |
| 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Good |
| 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | Na |
| 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Good |
| 6 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | All Good |



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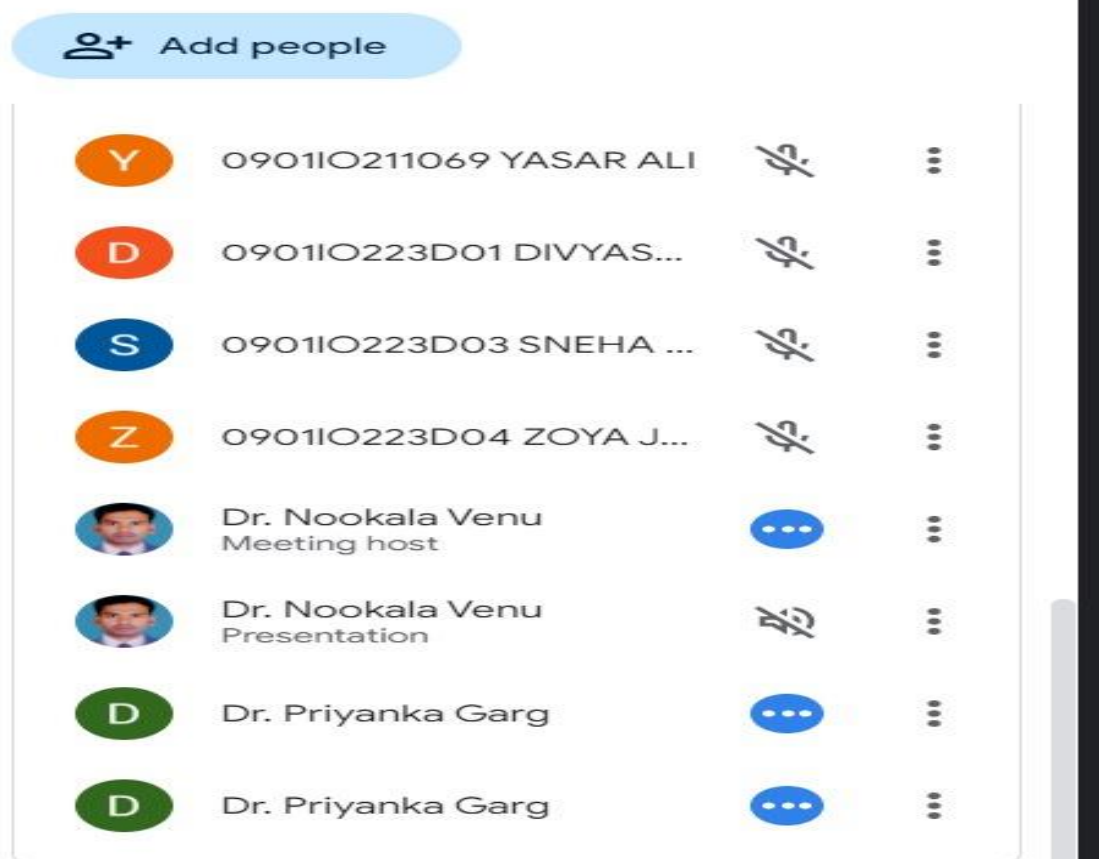
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| | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|------------------------|
| 7 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | None |
| 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Nil |
| 9 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | No |
| 10 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Nil |
| 11 | 5 | 5 | 5 | 5 | 3 | 4 | 5 | 5 | Thank You |
| 12 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Good Orientation |
| 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Good Orientation. |
| 14 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | Good |
| 15 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | No |
| 16 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | Nil |
| 17 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | No |
| 18 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Nil |
| 19 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Nil |
| 20 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Nil |
| 21 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | No |
| 22 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | Excellent |
| 23 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | No |
| 24 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | Nil |
| 25 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | No |
| 26 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Oriented In a Good Way |
| 27 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Nil |
| 28 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Overall Informative |
| 29 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Nil |
| 30 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | Nil |

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



Photographs/Screenshots of the Orientation Program:





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Dr. Priyanka Garg (Presenting)

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B.Tech VIII Semester

- Departmental Elective (DE-5): SWAYAM/NPTEL/MOOC
- Open Category (OC-3): SWAYAM/NPTEL/MOOC – Received from other Departments
- Honors and Minors

12:41 PM | kit-hsvf-qhr

People

- 0901IO211069 YASAR ALI
- 0901IO223D01 DIVYAS...
- 0901IO223D03 SNEHA ...
- 0901IO223D04 ZOYA J...
- Dr. Nookala Venu Meeting host
- Dr. Nookala Venu Presentation
- Dr. Priyanka Garg
- Dr. Priyanka Garg Presentation

Dr. Priyanka Garg (Presenting)

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B.Tech VIII Semester

Details of Departmental Elective (DE-5): SWAYAM/NPTEL/MOOC

| S. No | Course Name | Period | Duration of Study | Start Date | End Date | Exam Date | Faculty Mentors | Link to register |
|-------|---|--------|-------------------|------------|------------------|----------------|------------------------|---|
| 1 | Cloud Computing and Distributed Systems | IT | 8 Weeks | 20, 2025 | 14, 2025 | March 20, 2025 | Dr. Aditya Dubey | https://onlinecourses.nptel.ac.in/noc25_sct136/view |
| 2 | Machine Learning for Engineering and science applications | IT | 12 Weeks | 20, 2025 | January 20, 2025 | April 27, 2025 | Dr. Bhuvaneshwari Bora | https://onlinecourses.nptel.ac.in/noc25_sct136/view |
| 3 | Discrete-Time Signal Processing | IT | 8 Weeks | 20, 2025 | 14, 2025 | March 20, 2025 | Dr. Soumyajit Ghosh | https://onlinecourses.nptel.ac.in/noc25_sct136/view |
| 4 | Cryptography and Network Security | IT | 12 Weeks | 20, 2025 | January 20, 2025 | April 27, 2025 | Dr. Namita Arya | https://onlinecourses.nptel.ac.in/noc25_sct136/view |

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People

- 0901IO211069 YASAR ALI
- 0901IO223D01 DIVYAS...
- 0901IO223D03 SNEHA ...
- 0901IO223D04 ZOYA J...
- Dr. Nookala Venu Meeting host
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- Dr. Priyanka Garg Presentation

12°C Mostly cloudy

12:51:46 PM 1/6/2025



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