



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

Student Orientation Program Report

B.Tech. in Internet of Things, IOT

III Year (VIth Semester)

Academic Session: January-June 2025

Dated: 06/01/2025

Objectives

- To make students admitted in Internet of Things IoT Third year (6th sem), feel comfortable in the new environment.
- To aware the students about the relevant Schemes/ Courses/ Evaluation Process Curriculum, open electives & various Departmental Electives.
- To aware about evaluation procedure for 'proficiency', assessment rubrics for laboratory courses and PDC sheet.
- To familiar with NPTEL Courses, passing criterion in NPTEL courses, regular submission of assignments, avoiding common mistakes etc.
- To informed about the importance of feedback on (CO, PO, Faculty feedback, Curriculum) in quality improvement, Distinct features of MITS curriculum and NEP-2020 and their relevance with placements, Importance of integrity, ethics & institute guidelines for plagiarism.
- To familiar with the importance of Internships, projects for improving higher order thinking skills, Procedure for assigning minor projects/internship projects to students
- To allow the third year students admitted in Internet of things to explore their academic interests through various activities and sessions.

Program Details:

- No of Registered students in the class: 74
- No of students present: 43
- Date: 06.01.2025
- Venue-M001



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Orientation Program Schedule for B.Tech : Internet of Things, III Year (6th 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. Geetam Shukla |
| 2 | Introduction to the relevant Schemes/Courses/Evaluation Process Curriculum & various electives | 11:00 AM to 11:25 AM | Dr. Saurabh K Rajput |
| 3 | Class Time Table, Evaluation procedure for 'proficiency', assessment rubrics for laboratory courses and PDC sheet | 11:25 AM to 11:35 AM | Dr. Saurabh K Rajput |
| 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. Bhavna Rathore |
| 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. Kaushal Pratap |
| 8 | Importance of integrity, ethics & institute guidelines for plagiarism | 01:00 PM to 01:15 PM | Dr. Geetam Shukla |
| 9 | Session by Proctor/Associate Proctor | 01:15 PM to 01:25 PM | Dr. Vishal Chaudhary /Prof. Vaibhav |
| 10 | Examination rules and regulation | 01:25 PM to 01:40 PM | Dr. Murli Manohar/ Dr. Bhavna Rathore |
| Lunch Break (01:40 to 02:00PM) | | | |
| 11 | Importance of Internships | 02:00 PM to 02:30 PM | Dr. Saurabh K Rajput |
| 10 | Session from TNP office | 02:30 PM to 02:45 PM | Mr. Vikram Rajput Ms. HemlataArya |
| 12 | Importance of projects for improving higher order thinking skills, Procedure for assigning minor projects/internship projects to students | 02:45 PM to 3:00 PM | Dr. Geetam Shukla |
| 13 | Need for participation in student chapter, club activities etc. for students' overall development | 03:00 PM to 03:15 PM | Dr. Aftab Ahmed Ansari |
| 14 | Regarding attendance, mid-term tests, weekly quizzes tips for faring well in examination etc | 03:15 PM to 03:30 PM | Dr. Geetam Shukla |
| 15 | Importance of attending weekly special classes for remedial purposes | 03:30 PM to 04:00 PM | Dr. Saurabh K Rajput |
| 16 | Importance of taking part in technical activities outside institute/submission of such documents to class coordinator | 04:00 PM to 04:15 PM | Dr. Kaushal Pratap |
| 17 | Feedback on Orientation Program | 04:15 PM to 04:30 PM | Dr. Geetam Shukla |

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

LAC
01/01/2025
Dr. Saurabh K Rajput & Dr. Geetam Shukla
Assistant Professor
Class Coordinator,
3rd Year Internet of Things

Dr. Praveen Bansal
01/01/25
Dr. Praveen Bansal
Coordinator,
Centre for Internet of Things



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List of activities conducted during orientation program

1. Orientation program was started with **offline registration** of students which was done through Student IMS (online), after that students also submitted soft copy of registration form to class coordinator [Dr Geetam Shukla].
2. **Scheme/Courses/Evaluation Process, Syllabus, Curriculum, NEC Courses, Honors Track and Minors (Course introduction, Credits, Commencement of classes, Mode of teaching)**

*This session conducted by Dr. Saurabh Kumar Rajput, 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, Departmental Lab courses of the Internet of things branch, NEC Courses, Honors Track and minor courses*. 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 Weekly quizzes, 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. Time Table

Class Time Table for 6th semester was discussed by *Dr. Saurabh Kumar Rajput*. The time table is as follows-



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TENTATIVE TIME TABLE



| Session: Jan. – June 2025 | | B.Tech./Internet of Things/III Year/VI 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 | | 2220601(B) PS./MM M005 | | OC-1 | | | 2220604(A) SKR/PS. M004 2220603(B) SG/NV M005 | | | |
| Tuesday | | | | 2220603 SG/M001 | | | 2220604(B) SKR/PS. M004 2220603(A) SG/NV M005 | 2220602 BR/M001 | | |
| Wednesday | | 2220601 PS./M001 | 2220603 SG/M001 | OC-1 | | | 2220601(A) PS./MM M005 | | | |
| Thursday | | | | | | | 2220602 BR/M001 | 2220601 PS./M001 | | NEC |
| Friday | | | 2220602 BR/M001 | OC-1 | | | 2220603 SG/M001 | 2220601 PS./M001 | | NEC |
| Saturday | | | | 1000007 VG ONLINE | | | | | | |
| Category Code | Course Code | Course Name | | | Faculty | | | | | |
| DC | 2220601 | Soft Computing Techniques | | | Prof. Poonam Singh (PS)/ Dr. Murlī Manohar (MM) + Mr. Gourav Jha | | | | | |
| DC | 2220602 | IoT System Design | | | Dr. Bhavna Rathore (BR) | | | | | |
| OC | 910*** | Open Category (OC-1) | | | Concerned Faculty | | | | | |
| DC | 2220603 | Artificial Intelligence & Machine Learning | | | Dr. Soumyajit Ghosh (SG)/ Dr. Nookala Venu (NV) | | | | | |
| DLC | 2220604 | Minor Project-II | | | Dr. Saurabh Kumar Rajput (SKR)/ Prof. Poonam Singh (PS) + Ms. Shashi Goel | | | | | |
| CLC | 200XXX | Novel Engaging Course (Informal Learning) | | | Concerned Faculty | | | | | |
| MAC | 1000007 | Intellectual Property Rights (IPR) | | | Prof. Vinay Gupta (VG) | | | | | |

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. Murlī Manohar Dr. Aftab Ahmed Ansari
Time Table Coordinator

Dr. Praveen Bansal
Coordinator, Centre for IoT

Dr. Geetam Shukla also described the importance of weekly special classes for remedial purpose for problem solving and discussion. She emphasized on adhering to time-table for efficient learning.

4. NPTEL: Registration, Passing Criterion, and Assignment Submission and Introduction to Outcome based education

Dr. Bhavna Rathore 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.

Dr. Bhavna Rathore, continued the session and discussed the Vision and Mission of centre with the students. 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.



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

Dr. Murli Manohar during his 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.

6. Internship and projects

Dr. Saurabh Kumar Rajput discussed guidelines of various internships already running in institutes like SEP and research internship. He also discussed about Minor and Major Projects in which he encouraged students to choose project topics related to recent technologies. He also motivated to students for publishing research paper on their project topics. He provided practical advice and shared success stories of former students.

7. Training and Placement session

The session related to Training and Placement office was conducted by Departmental faculties. The encouraging statements delivered during the session played a pivotal role in boosting the students' confidence and instilling a sense of purpose and determination. Moving forward, they said the Training and Placement cell is planning to incorporate more personalized placement training sessions and 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. Geetam Shukla was conducted this session in which he focused on proficiency Evaluation and professional development courses sheet. She discussed how students can earn PDC credits during their B.Tech degree. 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.

9. 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 discussed by



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him. He also answered all the questions asked by the students during the discussion. The following points have been specifically discussed with students:

- The COs and Bloom's level taxonomy mapped question papers.
- Structure of question papers.
- Timely submission of exam form.
- Criteria for forwarding the examination form by the department.

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

Dr. Aftab Ahmed Ansari explained about how various clubs help in developing ambition and friendship among people. Also encouraged the students to do more participation in technical or cultural events outside the institute. 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.

11. Session by Proctor

A session by a university proctor (*Dr. Vishal Chaudhari*) focuses on addressing student concerns, enforcing discipline, providing guidance, and ensuring academic integrity.

12. Distinct features of MITS curriculum and NEP 2020 and their relevance in placement.

Dr. Kaushal Pratap Singh Rathore discussed on distinct features of MITS curriculum and NEP 2020 and their relevance in placement. Also, discussed the importance of taking part in technical activities outside institute and submission of such documents to class coordinators.

13. Feedback on Orientation Program

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

| Enrolment No | Name of Student | Year | Comments |
|--------------|--------------------|----------|----------------|
| 0901EO221003 | Tanistha Singh | 3rd Year | Strongly agree |
| 0901EO221005 | Abhishek Narwariya | 3rd Year | Neutral |
| 0901EO221006 | Abhishek Rajput | 3rd Year | Strongly agree |
| 0901EO221010 | Aditya jatav | 3rd Year | Agree |
| 0901EO221011 | Akash sharma | 3rd Year | Strongly agree |
| 0901EO221012 | Anubhav Rajawat | 3rd Year | Strongly agree |
| 0901EO221015 | Anurag Mishra | 3rd Year | Strongly agree |
| 0901EO221016 | Anushka Dhakad | 3rd Year | Agree |
| 0901EO221017 | Avneesh Singh | 3rd Year | Neutral |



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| | | | |
|--------------|-----------------------------|----------|----------------|
| 0901EO221019 | Avnish Jha | 3rd Year | Agree |
| 0901EO221021 | Ayush Gupta | 3rd Year | Neutral |
| 0901EO221022 | Deepak Prajapati | 3rd Year | Strongly agree |
| 0901EO221026 | Dhruv | 3rd Year | Strongly agree |
| 0901EO221027 | Divyansh Bhatnagar | 3rd Year | Strongly agree |
| 0901EO221029 | Harsh Gupta | 3rd Year | Agree |
| 0901eo221030 | Harsh sharma | 3rd Year | Agree |
| 0901EO221032 | Hrithik parchhe | 3rd Year | Strongly agree |
| 0901EO221033 | Indraveer Singh ghuraiya | 3rd Year | Neutral |
| 0901EO221035 | Jatin Sharma | 3rd Year | Strongly agree |
| 0901EO221038 | Kartik rathor | 3rd Year | Strongly agree |
| 0901EO221040 | Keshav Singh Rathore | 3rd Year | Agree |
| 0901EO221041 | Mahak pal | 3rd Year | Strongly agree |
| 0901EO221042 | Manu Gupta | 3rd Year | Strongly agree |
| 0901EO221050 | Naitik Singhal | 3rd Year | Agree |
| 0901EO221053 | Palak Chandel | 3rd Year | Agree |
| 0901EO221057 | Renu Batham | 3rd Year | Agree |
| 0901EO221058 | Rohit Singh bhadoria | 3rd Year | Agree |
| 0901EO221061 | Shiva Chaturvedi | 3rd Year | Agree |
| 0901EO221063 | Shubhankar Vyas | 3rd Year | Agree |
| 0901EO221064 | Sourabh bhadouriya | 3rd Year | Strongly agree |
| 0901EO221067 | Sumit Sharma | 3rd Year | Strongly agree |
| 0901EO221069 | Ujjwal Rao | 3rd Year | Strongly agree |
| 0901EO221069 | Vatsalya Shivhare | 3rd Year | Agree |
| 0901EO221070 | Vatsalya Shivhare | 3rd Year | Agree |
| 0901EO221073 | Vikash Singh Bhadauriya | 3rd Year | Strongly agree |
| 0901EO221074 | Yashika Gangil | 3rd Year | Neutral |
| 0901EO221077 | Yuvraj Singh Chandel | 3rd Year | Strongly agree |
| Aman sharma | Vikas Pal | 3rd Year | Strongly agree |



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Photographs/Screenshots of the Orientation Program:





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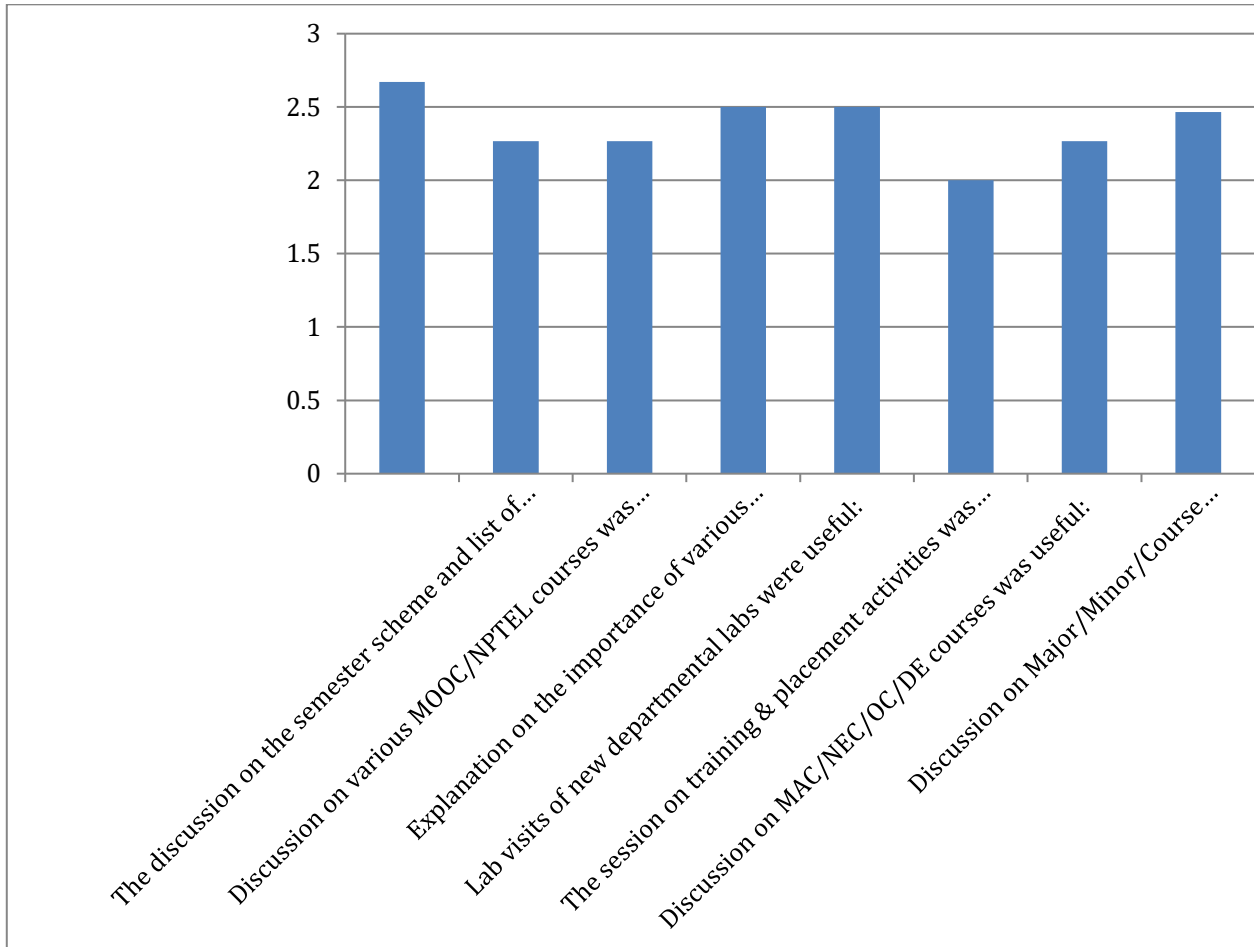


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Attendance- Orientation Program, Internet of Things (IoT)

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ORIENTATION PROGRAM (06/01/2025)
ATTENDANCE SHEET

B.Tech. : Internet of Things, III Year, VI Sem

| S.No | Enrolment No | Name of Student | Sign. |
|------|--------------|--------------------|-----------------|
| 1 | | | |
| 2 | 0901E0221002 | Abhishek Narwarija | Abhishek |
| 3 | 0901E0221003 | Abhishek Rajput | Abhishek Rajput |
| 4 | | | |
| 5 | 0901E0221005 | Aditya Satav | Aditya |
| 6 | 0901E0221006 | Akesh Sharma | Akesh |
| 7 | 0901E0221007 | Aman Sharma | Aman Sharma |
| 8 | | | |
| 9 | | | |
| 10 | 0901E0221010 | Anubhav Rajawat | Anubhav |
| 11 | 0901E0221011 | Anurag Mishra | Anurag |
| 12 | 0901E0221012 | Anushka Dhakad | Anushka |
| 13 | | | |
| 14 | 0901E0221014 | Ashwini Sharma | Ashwini |
| 15 | 0901E0221015 | Anneesh Singh | Anneesh |
| 16 | 0901E0221016 | Arvish Jha | Arvish |
| 17 | 0901E0221017 | AYUSH GUPTA | Ayush |
| 18 | | | |
| 19 | 0901E0221019 | DEEPAK Prajapati | Deepak |
| 20 | | | |
| 21 | 0901E0221021 | Dhruv | Dhruv |



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| | Enroll No. | Name | Sign |
|----|--------------|--------------------------|-----------|
| 22 | 0901E0221022 | Divyansh Bhatnagar | Divyansh |
| 23 | | | |
| 24 | | | |
| 25 | 0901E0221025 | Gunjan Sharma | Gunjan |
| 26 | 0901E0221026 | Harsh Gupta | Harsh |
| 27 | 0901E0221027 | Harsh Sharma | Harsh |
| 28 | 0901E0221028 | Harshit Tiwari | Harshit |
| 29 | 0901E0221029 | Hrithik Parche | Hrithik |
| 30 | 0901E0221030 | Indraveer Singh Kharwara | Indraveer |
| 31 | | | |
| 32 | 0901E0221032 | Jatin Sharma | Jatin |
| 33 | 0901E0221033 | Kartik Rathor | Kartik |
| 34 | | | |
| 35 | 0901E0221035 | Kehav Singh Rathore | Kehav |
| 36 | | | |
| 37 | | | |
| 38 | 0901E0221038 | Mahak Pal | Mahak |
| 39 | 0901E0221039 | Mohak Sharma | Mohak |
| 40 | 0901E0221040 | Manu Gupta | Manu |
| 41 | 0901E0221041 | Naitik Singhal | Naitik |
| 42 | 0901E0221042 | Nabale Chandee | Nabale |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | 0901E0221050 | Renu Batham | Renu |



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| Enroll. | Name | Sign. | |
|---------|--------------|----------------------|--------------|
| 51 | | | |
| 52 | | | |
| 53 | 0901E0221053 | Rohit Singh Bhaloria | Rohit |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | 0901E0221057 | Shalini Tomar | Shalini |
| 58 | 0901E0221058 | Shiva Chaturvedi | Shiva |
| 59 | | | |
| 60 | | | |
| 61 | 0901E0221061 | Shubhankar Vyas | Shubhankar |
| 62 | 0901E0221062 | Simmi Mittal | Simmi Mittal |
| 63 | 0901E0221063 | Sourabh Bhadourji | Sourabh |
| 64 | 0901E0221064 | Sumit Sharma | Sumit |
| 65 | 0901E0221065 | Tanishka Singh | Tanishka |
| 66 | | | |
| 67 | 0901E0221067 | Ujjwal Rao | Ujjwal |
| 68 | | | |
| 69 | 0901E0221069 | Vatsalya Shivhare | Vatsalya |
| 70 | 0901E0221070 | Vikash Bhaduria | Vikash |
| 71 | | | |
| 72 | | | |
| 73 | 0901E0221073 | Yashika Gangil | Yashika |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | 0901E0221077 | Vikas Pal | Vikas |
| 78 | | | |
| 79 | | | |