

## Major Project 1 Project 2025

| S. No. | Enr.No.      | Name                    | Guide name            | Title                                                                    | Relevanceto POs/PSOs                                                | Selection of Relevant Industry Based Project | Literature Survey | Methodology | Quality of Project | Quality of Report Writing | Quality Presentation | Total | Attendance Marks | Marks |    |
|--------|--------------|-------------------------|-----------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------|-------------------|-------------|--------------------|---------------------------|----------------------|-------|------------------|-------|----|
| 1      | 0103ME221028 | RAJA KHAN               | Dr. Arun K Wamankar   | JET ENGINE                                                               | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221036 | Tushar Kumar Tiwari     |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221026 | RAHUL KUMAR VISHWAKARMA |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 20    | 46 |
|        | 0103ME221017 | JATIN RAI               |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 19    | 45 |
| 2      | 0103ME233D11 | PURUSHOTTAM CHOUDHARY   | DR. SHANKAR KUMAR     | RETALIATE BUMPER                                                         | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 2           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME233D02 | ADITYA KUMAR            |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME233D13 | RITIK OMAR              |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2                    | 28    | 19               | 47    |    |
|        | 0103ME233D10 | OM SHARMA               |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
| 3      | 0103ME233D15 | UTKARSH SINGH           | DR. NEERAJ DUBEY      | DEVELOPMENT OF GEARBOX TEST RIG FOR VERIFICATION OF SPEED RATIO.         | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
| 4      | 0103ME221038 | YASHVARDHAN SINGH       | Neeraj Dubey          | SEMI-ACTIVE SUSPENSION                                                   | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221002 | Akshat Sharma           |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221032 | SATYAM JHA              |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221016 | Harshit Chaurasiya      |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
| 5      | 0103ME233D16 | YOGESH DUDHE            | DR. NEERAJ DUBEY      | DEVELOPMENT OF GEARBOX TEST RIG FOR VARIFICATION OF SPEED RATIO.         | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
| 6      | 0103ME221036 | Tushar Kumar Tiwari     | K k Thakur            | Transformer quadcopter drone                                             | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
| 7      | 0103ME233D05 | ASHUTOSH BHARTI         | Mukesh Ahirwar        | AN APPLICATION REDUCE ENVIRONMENT POLLUTION BY DIFFERENT TYPES OF METHOD | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME233D12 | RAVI KUMAR GUPTA        |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME233D07 | HARENDRA KUMAR CHOUHAN  |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME233D04 | ASHISH KUMAR KUSHWAHA   |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
| 8      | 0103ME221015 | HARSHIT AWASTHI         | Neeraj Dubey          | DEVELOPMENT OF GEARBOX TESTRIG FOR THE VERIFICATION OF SPEED RATIO       | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
| 9      | 0103ME221006 | ASHISH KUMAR SAHIS      | Dr. Arun Wamankar     | DESIGN OF CALIPER                                                        | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 2           | 3                  | 3                         | 2                    | 27    | 20               | 47    |    |
|        | 0103ME233D09 | NEERAJ KUMAR            |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221022 | NIRAJ SINGH             |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 3                         | 2                    | 27    | 20               | 47    |    |
| 10     | 0103ME221030 | SAHIR KHAN              | Dr. Vipin Shrivastava | Solar microwave                                                          | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 19    | 45 |
|        | 0103ME221025 | PRINSH PRAJAPATI        |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 20    | 46 |
|        | 0103ME221001 | Akash Sumnoria          |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 3     | 27               | 19    | 46 |
| 11     | 0103ME221029 | RUDRA KUMAR KASHYAP     | RANJEET ARYA          | AUTONOMOUS UNDERWATER VEHICLE ( SUBMARINE )                              | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 19    | 45 |
|        | 0103ME221009 | ATHARVA SHASTRI         |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2     | 19               | 44    |    |
| 12     | 0103ME233D06 | DEEPAK KUMAR SRIVASTAV  | Dr. Neeraj Dubey      | DEVELOPMENT OF SUPPORTLESS MOSQUITO NET                                  | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2     | 19               | 44    |    |
| 13     | 0103ME221011 | AZHAR ALI               | Dr.Neeraj Dubey       | Development of support less mosquito net                                 | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2     | 19               | 44    |    |
|        | 0103ME233D01 | ABHAY PRASAD            |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221005 | ARYAN SAHU              |                       |                                                                          |                                                                     |                                              |                   |             |                    |                           |                      | 0     | 0                |       |    |
| 14     | 0103ME221033 | SHREYANSH KUMAR SINGH   | Sushil chourey        | SOLAR PANEL CLEANING ROBOT                                               | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221037 | Vishal saini            |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221019 | MAYANK DWIVEDI          |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
| 15     | 0103ME233D06 | DEEPAK KUMAR SRIVASTAV  | Dr.DEENOO PAWAR       | TO DEVELOPE THE POWER OF THE COMBINATION OF SOLAR PANEL AND WIND MILL    | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              |                   |             |                    |                           |                      | 0     | 0                |       |    |
|        | 0103ME233D01 | ABHAY PRASAD            |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221005 | ARYAN SAHU              |                       |                                                                          |                                                                     |                                              |                   |             |                    |                           |                      | 0     | 0                |       |    |
| 16     | 0103ME221026 | RAHUL KUMAR VISHWAKARMA | Dr.Vipin Shrivastava  | Solar drying unit                                                        | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              |                   |             |                    |                           |                      | 0     | 46               | 46    |    |
|        | 0103ME221017 | JATIN RAI               |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 19    | 45 |
|        | 0103ME221028 | RAJA KHAN               |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221026 | RAHUL KUMAR VISHWAKARMA |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 20    | 46 |
| 17     | 0103ME221007 | ASHUTOSH GUPTA          | Sushil Chourey        | SOLAR PANEL CLEANING ROBOT                                               | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
| 18     | 0103ME221020 | MAYANK RAJ              | Krishna Kumar thakur  | Mechatronics                                                             | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2                    | 28    | 19               | 47    |    |
|        | 0103ME221018 | MANISH KUMAR THAKUR     |                       |                                                                          |                                                                     |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221010 | AYUSH GUPTA             |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 19    | 45 |
| 19     | 0103ME221013 | HARSH GUPTA             | Deenoo Pawar          | TO DEVELOPE THE POWER OF THE COMBINATION OF SOLAR PANEL AND WIND MILL    | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO8,PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4 |                                              | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 19               | 48    |    |
|        | 0103ME221008 | ASHUTOSH THAKUR         |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 19    | 45 |
|        | 0103ME221024 | PRASANG UJAINIYA        |                       |                                                                          |                                                                     |                                              | 3                 | 2           | 3                  | 2                         | 3                    | 2.5   | 26               | 19    | 45 |
|        | 0103ME221011 | Azhar Ali               |                       |                                                                          |                                                                     |                                              |                   |             |                    |                           |                      |       |                  |       |    |

Marks Conversion factor: ((Selection of Relevant Industry Based Project+Literature Survey+Methodology+Quality of Project+Quality of Report Writing+Quality Presentation)\*10)/6+ Attendance Marks out of 20

**OutCome:**

Major Project-I provides an important foundation for the successful completion of the final-year engineering project. It enables students to identify and analyse real-world engineering problems, conduct literature surveys, formulate suitable methodologies, and apply engineering knowledge to develop feasible solutions. The project enhances students' technical, analytical, design, teamwork, communication, and project-management skills. It also promotes consideration of sustainability, safety, ethics, cost, and societal requirements in engineering decision-making.

**Impact:**

- 1 Enhances practical application of theoretical knowledge.
- 2 Improves problem-solving and analytical thinking abilities.
- 3 Develops design and innovation capabilities.
- 4 Exposure to real-world engineering problems and industrial practices.
- 5 Improves teamwork, leadership, and interpersonal skills.
- 6 Strengthens technical communication and presentation skills.
- 7 Understanding of project planning, cost estimation, scheduling, and resource management.
- 8 Encourages students to use modern engineering tools and technologies.
- 9 Builds confidence for undertaking Major Project-II, internships, higher studies, research
- 10 Develops the ability to work independently and promotes lifelong learning

**Conclusion:**

Students become better prepared for Project, industry, research, higher studies and entrepreneurship