

Major Project 1 Project 2025

S. No.	Enr.No.	Name	Guide name	Title	Relevanceto POs/PSOs	Relevance SDG Goal
1	0103ME221028 0103ME221036 0103ME221026 0103ME221017	RAJA KHAN Tushar Kumar Tiwari RAHUL KUMAR VISHWAKARMA JATIN RAI	Dr. Arun K Wamankar	JET ENGINE	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and
2	0103ME233D11 0103ME233D02 0103ME233D13 0103ME233D10	PURUSHOTTAM CHOUDHARY ADITYA KUMAR RITIK OMAR OM SHARMA	DR. SHANKAR KUMAR	RETALIATE BUMPER	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and
3	0103ME233D15	UTKARSH SINGH	DR. NEERAJ DUBEY	DEVELOPMENT OF GEARBOX TEST RIG FOR VERIFICATION OF SPEED RATIO.	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and Infrastructure
4	0103ME221038 0103ME221002 0103ME221032 0103ME221016	YASHVARDHAN SINGH Aakash Sharma SATYAM JHA Harshit Chaurasiya	Neeraj Dubey	SEMI-ACTIVE SUSPENSION	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and
5	0103ME233D16	YOGESH DUDHE	DR. NEERAJ DUBEY	DEVELOPMENT OF GEARBOX TEST RIG FOR VARIFICATION OF SPEED RATIO.	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and Infrastructure
6	0103ME221036	Tushar Kumar Tiwari	K k Thakur	Transformer quadcopter drone	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth
7	0103ME233D05 0103ME233D12 0103ME233D07 0103ME233D04	ASHUTOSH BHARTI RAVI KUMAR GUPTA HARENDRA KUMAR CHOUHAN ASHISH KUMAR KUSHWAHA	Mukesh Ahinwar	AN APPLICATION REDUCE ENVIRONMENT POLLUTION BY DIFFERENT TYPES OF METHOD	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and Infrastructure
8	0103ME221015	HARSHIT AWASTHI	Neeraj Dubey	DEVELOPMENT OF GEARBOX TESTRIG FOR THE VERIFICATION OF SPEED RATIO	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth
9	0103ME221006 0103ME233D09 0103ME221022	ASHISH KUMAR SAHIS NEERAJ KUMAR NIRAJ SINGH	Dr. Arun Wamankar	DESIGN OF CALIPER	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth
10	0103ME221030 0103ME221025 0103ME221001	SAHIR KHAN PRINSH PRAJAPATI Aakash Sumronya	Dr. Vipin Shrivastava	Solar microwave	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG7Affordable and Clean Energy
11	0103ME221029 0103ME221009	RUDRA KUMAR KASHYAP ATHARVA SHASTRI	RANJEET ARYA	AUTONOMOUS UNDERWATER VEHICLE (SUBMARINE)	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and
12	0103ME233D06	DEEPAK KUMAR SRIVASTAV	Dr. Neeraj Dubey	DEVELOPMENT OF SUPPORTLESS MOSQUITO NET	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and Infrastructure
13	0103ME221011 0103ME233D01 0103ME221005	AZHAR ALI ABHAY PRASAD ARYAN SAHU	Dr. Neeraj Dubey	Development of support less mosquito net	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and
14	0103ME221033 0103ME221037 0103ME221019	SHREYANSH KUMAR SINGH Vishal saini MAYANK DWIVEDI	Sushil chourey	SOLAR PANEL CLEANING ROBOT	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth
15	0103ME233D06 0103ME233D01 0103ME221005	DEEPAK KUMAR SRIVASTAV ABHAY PRASAD ARYAN SAHU	DR DEENOO PAWAR	TO DEVELOPE THE POWER OF THE COMBINATION OF SOLAR PANEL AND WIND MILL	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG7Affordable and Clean Energy SDG8 Decent Work and
16	0103me221026 0103ME221017 0103ME221028 0103ME221026	RAHUL KUMAR VISHWAKARMA JATIN RAI RAJA KHAN RAHUL KUMAR VISHWAKARMA	Dr.Vipin Shrivastava	Solar drying unit	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG7Affordable and Clean Energy SDG8 Decent Work and Economic Growth
17	0103ME221007	ASHUTOSH GUPTA	Sushil Chourey	SOLAR PANEL CLEANING ROBOT	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth SDG9Industry, Innovation and Infrastructure
18	0103ME221020 0103ME221018 0103ME221010	MAYANK RAJ MANISH KUMAR THAKUR AYUSH GUPTA	Krishna Kumar thakur	Mechatronics	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG8 Decent Work and Economic Growth
19	0103ME221013 0103ME221008 0103ME221024 0103ME221011	HARSH GUPTA ASHUTOSH THAKUR PRASANG UJJAINIYA Azhar ALI	Deenoo Pawar	TO DEVELOPE THE POWER OF THE COMBINATION OF SOLAR PANEL AND WIND MILL	P01,P02,P03,P04,P05,P06,P07,P08,P09,P010,P011/PSO1,PSO2,PSO3,PSO4	SDG4Quality Education SDG7Affordable and Clean Energy SDG8 Decent Work and

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