

# Lakshmi Narain College of Technology, Bhopal (M.P.)

Mechanical Engg. 8<sup>th</sup> Semester IV Year

( May 2023 )

## List of Major Project II (ME 805)

| S.No.  | Date      | Project Name                                                                                                            | Project Guide Name         | Project Submitted By                   | Relevanceto POs/PSOs                                                      | Selection of Relevant Industry Based Project | Literature Survey | Methodology | Quality of Project | Quality of Report Writing | Quality Presentation | Total | Marks |
|--------|-----------|-------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------|---------------------------------------------------------------------------|----------------------------------------------|-------------------|-------------|--------------------|---------------------------|----------------------|-------|-------|
| 590/1  | 11/5/2023 | Solar Air Conditioner Using Peltier Module                                                                              | Dr. Vipin Shrivastava      | 1.Saurav Kumar Pnndey (0103ME191122)   | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11,PO12/PSO1,PSO2, PSO3,PSO4  | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 2. Shanuiya Mishra ( 0103ME191124)     |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 3. Shubham Arya ( 0103ME191129)        |                                                                           | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            | 4. Shubhankar Patel ( 0103ME191130)    |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
| 591/2  | 11/5/2023 | Solar Water Purifier                                                                                                    | Dr. Vipin Shrivastava      | 1. Abhishek Surve ( 0103ME191002)      | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11,PO12/PSO1,PSO2, PSO3,PSO4  | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 2.Akash Singh ( 0103ME191012)          |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 3.Aniiket Mujumdar ( 0103ME191027)     |                                                                           | 3                                            | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 29    |
|        |           |                                                                                                                         |                            | 4. Prakhar Srivastava ( 0103ME181087)  |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
| 592/3  | 11/5/2023 | Regerative Braking and Battery Protection                                                                               | Dr. Vipin Shrivastava      | 1. Sabyasachi ( 0103ME191116)          | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 2. Mohammad Fardeen ( 01403ME191084)   |                                                                           | 3                                            | 2                 | 2           | 3                  | 3                         | 2                    | 25    | 25    |
|        |           |                                                                                                                         |                            | 3. Ravdeep Singh ( 0103ME191107)       |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 4. Vaidik Pratap Singh ( 0103ME191147) |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
| 593/4  | 11/5/2023 | Vertical Axis Wind Turbine                                                                                              | Prof. Deenoo Pawar         | 1. Sahil Kumar ( 0103ME191118)         | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 2. Sourabh Patel ( 0103ME191131)       |                                                                           | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            | 3. Sukhendu Mandal ( 0103ME191135)     |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 4. Vinay Kumar ( 0103ME191151)         |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
| 594/5  | 11/5/2023 | E-3 Air Purifier                                                                                                        | Dr. Vipin Shrivastava      | 1. Manas Shrivastava (0103ME191078)    | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            | 2. Maman Lavhate ( 0103ME191077)       |                                                                           | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            | 3. Naman patel ( 0103ME191088)         |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 4. Alka Kumari ( 0103ME191016)         |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
| 595/6  | 11/5/2023 | Solar Water Heater System                                                                                               | Dr. Vipin Shrivastava      | 1.Saurav Kumar (0103ME191121)          | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 2. Ridhikesh Kumar ( 0103ME191109)     |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 3.Rishu Raj (0103ME191110)             |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            | 4. Vipul Raj (0103ME191152)            |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
| 596/7  | 11/5/2023 | Improving Efficiency of Solar Tracking Sysytem                                                                          | Dr. Neeraj Dubey           | 1. Aditya Shukla ( 0103ME191007)       | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            | 2. Aditya Sisodi (0103ME191009)        |                                                                           | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            | 3.Anuj Gogia ( 0103ME191037)           |                                                                           | 3                                            | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 29    |
|        |           |                                                                                                                         |                            | 4. Hrishabh Raikwar (0103ME191068)     |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
| 597/8  | 11/5/2023 | Design and Construction of Suspension System of ATV for Baja                                                            | Dr. Neeraj Dubey           | 1. Abhishek Jog ( 0103ME203D01)        | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            | 2. Shourabh Jain (0103ME191128)        |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 3. Utkarsh Shrivastava 9 0103ME191145  |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            |                                        |                                                                           |                                              |                   |             |                    |                           |                      | 0     |       |
| 598/9  | 11/5/2023 | Design & Manufacturing of Adaptive Suspendesign and Development of Independent Suspension System of All-Terrain Vehicle | Dr. Neeraj Dubey           | 1. Prakhar Upadhyay ( 0103ME191096 )   | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 29    |
|        |           |                                                                                                                         |                            | 2. Ashutosh Mishra ( 0103ME191042)     |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            | 3. Animesh Jain ( 0103ME191028)        |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            |                                        |                                                                           |                                              |                   |             |                    |                           |                      | 0     |       |
| 599/10 | 11/5/2023 | Design and Fabrication of Automatic paper cutting Device using Geneva Mechanism                                         | Dr. Neeraj Dubey           | 1. Fahrukh Khan (0103ME191058)         | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            | 2. Faraz Uddin ( 0103ME191059)         |                                                                           | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            |                                        |                                                                           |                                              |                   |             |                    |                           |                      | 0     |       |
|        |           |                                                                                                                         |                            |                                        |                                                                           |                                              |                   |             |                    |                           |                      | 0     |       |
| 600/11 | 11/5/2023 | Electric Robo ARM                                                                                                       | Dr. Shailendra Dwivedi     | 1.Aditya Sahu ( 0103ME191008)          | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 2. Akshat Tiwari ( 0103ME191014)       |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            | 3. Pranay Sakre (0103ME191098)         |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            | 4. Amandeep Singh ( 0103ME191018)      |                                                                           | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
| 601/12 | 11/5/2023 | DROBO                                                                                                                   | Dr. Shailendra Dwivedi     | 1. Amesh Yadav (0103ME191024)          | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            | 2.Balveer Singh Pawar (0103ME191050)   |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 3. Govindpreet Singh ( 0103ME191061)   |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 4. Harsh kumar Ahinwar (0103ME191062)  |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
| 602/13 | 11/5/2023 | FEA of ATV Chasiss and Subsystem Components                                                                             | Dr. Shailendra Dwivedi     | 1.Om Tiwari ( 0103ME191093)            | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 2. Aditya Gupta ( 0103ME191006)        |                                                                           | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            | 3. Aman Yadav (0103ME191023)           |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            | 4. Sanskar Gupta (0103ME191120)        |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
| 603/14 | 11/5/2023 | Design and Development of Braking Mechanism                                                                             | Dr. Shailendra Dwivedi     | 1. Lov Shrivastava (0103ME191075)      | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
|        |           |                                                                                                                         |                            | 2. Shivansh Bhargava ( 0103ME191125)   |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 3. Ankit Hanotiya (0103ME191031)       |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 2                    | 27    | 27    |
|        |           |                                                                                                                         |                            | 4.Jayesh Saxena ( 0103ME191072)        |                                                                           | 3                                            | 2                 | 2           | 3                  | 3                         | 2.5                  | 26    | 26    |
| 604/15 | 11/5/2023 | Electromagnetic Piston Engine                                                                                           | Prof. Rajeev Singh Chauhan | 1. Ashish Singh Patel ( 0103ME191040)  | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            | 2. Prachetash Singh (0103ME191095)     |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |
|        |           |                                                                                                                         |                            | 3.Priyanshu Gaurav ( 0103ME191103)     |                                                                           | 3                                            | 3                 | 3           | 3                  | 3                         | 2.5                  | 29    | 29    |
|        |           |                                                                                                                         |                            | 4. Praveen Raghuwanshi ( 0103ME191099) |                                                                           | 3                                            | 2                 | 3           | 3                  | 3                         | 3                    | 28    | 28    |

|        |           |                                                                          |                            |                                             |                                                                                 |   |   |   |   |   |     |    |    |
|--------|-----------|--------------------------------------------------------------------------|----------------------------|---------------------------------------------|---------------------------------------------------------------------------------|---|---|---|---|---|-----|----|----|
| 605/16 | 11/5/2023 | Kinetic Energy Recovery System                                           | Dr. Neeraj Dubey           | 1. Anshuman Gupta ( 0103ME191034)           | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Deepanshu Rathore (0103ME191053)         |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 3. Himanshu Sharma ( 0103ME191067)          |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                          |                            | 4. Numaan Sheikh ( 0103ME191092)            |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
| 606/17 | 11/5/2023 | Application of Piezoelectric effect in speed Bump Power Generation       | Prof. Rajiv Shrivastava    | 1. Disha Sahu ( 0103ME203D06)               | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Nilesh Kumar (0103ME191091)              |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                          |                            | 3. Rahul Patidar ( 0103ME191104)            |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                          |                            | 4. Sandeep Verma ( 0103ME 203D08)           |                                                                                 | 3 | 3 | 3 | 3 | 3 | 2.5 | 29 | 29 |
| 607/18 | 11/5/2023 | 360 Degree Fire Protection                                               | Prof. Rajeev Singh Chauhan | 1. Aishwary Patle (0103ME191011)            | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Akash Singh Bhati ( 0103ME191013)        |                                                                                 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                          |                            | 3. Aman Tulaskar (0103ME191021)             |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 4. Rudransh Tiwari ( 0103ME191115)          |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
| 608/19 | 11/5/2023 | AWD Gear Box System                                                      | Dr. Arun Ku. Wamankar      | 1. Akshay singh (0103ME191015)              | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                          |                            | 2. Ashish Jangir ( 0103ME191039)            |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 3. Ishaan Agrawal ( 0103ME191070)           |                                                                                 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                          |                            | 4. Nikhil Narware ( 0103ME191090)           |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
| 609/20 | 11/5/2023 | IOT Based Robot                                                          | Dr. Arun Ku. Wamankar      | 1. Eshan Suryavanshi ( 0103ME191057)        | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                          |                            | 2. Devansh Kumar Singh ( m0103ME191054)     |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 3. Nayan Rahangdale ( 0103ME191089)         |                                                                                 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                          |                            | 4. Bipul Kumar (0103ME191051)               |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
| 610/21 | 11/5/2023 | Mini Conveyor using Geneva Mechanism                                     | Prof. Maneesh Dubey        | 1. Ashutosh Kumar ( 0103ME191041)           | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Aman Mishra ( 0103ME 191019)             |                                                                                 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                          |                            | 3. Abhishek Kumar Choudhary ( 0103ME191001) |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 4. Ayush Raj ( 0103ME191045)                |                                                                                 | 3 | 3 | 3 | 3 | 3 | 2.5 | 29 | 29 |
| 611/22 | 11/5/2023 | Levitating Frictionless Vertical Windmill                                | Prof. Maneesh Dubey        | 1. Aditi Agarwal ( 0103ME191004)            | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Ayush Bhartiya ( 0103ME191044)           |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 3. Harshita Bele ( 0103ME 191065)           |                                                                                 | 3 | 3 | 3 | 3 | 3 | 2.5 | 29 | 29 |
|        |           |                                                                          |                            | 4. Krishna Shivhare (0103ME191074)          |                                                                                 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
| 612/23 | 11/5/2023 | Camprison Between Hydraulic Braking System and Mechanical Braking System | Dr. Keshav Singh           | 1. Mohit Shrivastava ( 01403ME191086)       | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Anmol Kumar ( 0103ME191033)              |                                                                                 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                          |                            | 3. Himanshu Priyadarshi ( 0103ME191066)     |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 4. Jay Shankar Mandal (0103ME191071)        |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
| 613/24 | 11/5/2023 | Four Wheel Steering System                                               | Dr. R. G. Patil            | 1. Sunil Kumar (0103ME191137)               | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Raj Singh ( 0103ME191106)                |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                          |                            | 3. Shivendra Kumar Pandey ( 0103ME191126)   |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                          |                            | 4. Sumit Kumar Rajak (0103ME 191136)        |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
| 614/25 | 11/5/2023 | Regenerative Braking System                                              | Dr. Yogesh Dewang          | 1. Adarsh Kumar Pandey ( 0103ME191003)      | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                          |                            | 2. Ayush Yadav ( 0103ME191048)              |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2   | 25 | 25 |
|        |           |                                                                          |                            | 3. Udit Singh Tomar ( 0103ME191142)         |                                                                                 | 3 | 3 | 3 | 3 | 3 | 2.5 | 29 | 29 |
|        |           |                                                                          |                            | 4. Krishna Kumar Shukla ( 0103ME191073)     |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
| 615/26 | 11/5/2023 | Automatic Rain Operated Wiper                                            | Dr. Shankar Kumar          | 1. Prembeer Singh ( 0103ME191101)           | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Priyansh Seth ( 0103ME191102)            |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 3. Tanmay Rajput (0103ME191140)             |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 4. Uttkarsh Gupta (0103ME191144)            |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
| 616/27 | 11/5/2023 | Hybrid Footstep Power System                                             | Prof. A. P. S. Bhadoriya   | 1. Vivek kumar Sharma (0103ME203D09)        | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Aman Kumar (0103ME203D03)                |                                                                                 | 3 | 3 | 3 | 3 | 3 | 2.5 | 29 | 29 |
|        |           |                                                                          |                            | 3. Vivek Pawar ( 0103ME191153)              |                                                                                 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                          |                            | 4. Uttkarsh Kumar ( 0103ME191146)           |                                                                                 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
| 617/28 | 11/5/2023 | Smart Irrigation System                                                  | Prof. A. P. S. Bhadoriya   | 1. Shiwanish Choudhary ( 0103ME191127)      | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Tarun Sharma (0103ME191141)              |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 3. Vidhu Shrivastava ( 0103ME191149)        |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 4. Vatsal Phillops ( 0103ME191148)          |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
| 618/29 | 11/5/2023 | Fire Fighting Robot                                                      | Prof. K. K. Thakur         | 1. Harsh Lai ( 0103ME191063)                | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Anish Raj (0103ME191029)                 |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                          |                            | 3. Ayush Shrivastava ( 0103ME191046)        |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                          |                            | 4. Deepak Kumar ( 0103ME 191052)            |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2   | 25 | 25 |
| 619/30 | 11/5/2023 | Mini Hacksaw                                                             | Prof. A. P. S. Bhadoriya   | 1. Om Prakash Singh ( 0103ME203D07)         | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 3 | 3 | 3 | 3 | 2.5 | 29 | 29 |
|        |           |                                                                          |                            | 2. Gaurav Kumar ( 0103ME203D05)             |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 3. Aditya Shrivastava ( 0103ME203D02)       |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 4. Darshan Waq ( 0103ME203D04)              |                                                                                 | 3 | 3 | 3 | 3 | 3 | 2.5 | 29 | 29 |
| 620/31 | 11/5/2023 | Automatic Side Bike Stand                                                | Dr. Shashi Ranjan Mohan    | 1. Ayush Agrawal (0103ME191043)             | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 2. Ankit Doharen (0103ME191030)             |                                                                                 |   |   |   |   |   |     | 0  | 30 |
|        |           |                                                                          |                            | 3. Ayush Singh Kushwah (0103ME191047)       |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 4. Prayagraj Tiwari ( 0103ME191100)         |                                                                                 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
| 621/32 | 11/5/2023 | Mini Belt Sander Machine                                                 | Prof. Sachchida Nand       | 1. Prakhar Verma ( 0103ME191097)            | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,<br>PO9,PO10,PO11, PO12<br>/PSO1,PSO2,PSO3,PSO4 | 3 | 3 | 3 | 3 | 3 | 2.5 | 29 | 29 |
|        |           |                                                                          |                            | 2. Robin Singh Rajput ( 0103ME191112)       |                                                                                 | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                          |                            | 3. Rohit Kumar Rajak ( 0103ME 191113)       |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                          |                            | 4. Sagar Sinha ( 0103ME 191117)             |                                                                                 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |

|        |           |                                                                  |                         |                                                  |                                                                           |   |   |   |   |   |     |    |    |
|--------|-----------|------------------------------------------------------------------|-------------------------|--------------------------------------------------|---------------------------------------------------------------------------|---|---|---|---|---|-----|----|----|
| 622/33 | 11/5/2023 | Gravity Power Generation Mechanism                               | Prof. Sachchida Nand    | 1. Mallick Mohd Perwez mosharraf ( 0103ME191076) | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11/ PSO1,PSO2,PSO3,PSO4       | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                  |                         | 2. Naman Bhargava ( 0103ME191087)                |                                                                           | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
|        |           |                                                                  |                         |                                                  |                                                                           |   |   |   |   |   |     | 0  |    |
|        |           |                                                                  |                         |                                                  |                                                                           |   |   |   |   |   |     | 0  |    |
| 623/34 | 11/5/2023 | Screening Machine                                                | Prof. Maneesh Dubey     | 1. Anuj Giri Goswami ( 0103ME191036)             | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                  |                         | 2. Michelle Verma Mahto ( 0103ME191082)          |                                                                           | 3 | 2 | 2 | 3 | 3 | 2   | 25 | 25 |
|        |           |                                                                  |                         | 3. Milan Parkhe ( 0103ME191083)                  |                                                                           | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                  |                         | 4. Ritik Kumar Gupta ( 0103ME191111)             |                                                                           | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
| 624/35 | 11/5/2023 | Prototype Pick and Place Robotic Car for Ligt Weight Application | Dr. Shankar kumar       | 1. Almas Khan 9 0103ME191017)                    | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                  |                         | 2. Aman Tiwari ( 0103ME191020)                   |                                                                           | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                  |                         | 3. Dharendra Singh Gaur ( 0103ME191056)          |                                                                           | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                  |                         | 4. Piyush Tiwari (0103ME191094)                  |                                                                           | 3 | 2 | 3 | 3 | 3 | 3   | 28 | 28 |
| 625/36 | 11/5/2023 | Electricity Generation by speed Breaker                          | Dr. V. N. Bartaria      | 1. Shalabh Mishra (0103ME191123)                 | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                  |                         | 2. Ujjawal Gupta (0103ME191143)                  |                                                                           | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                  |                         | 3. Anujrah Pandey (0103ME191035)                 |                                                                           | 3 | 2 | 2 | 3 | 3 | 2   | 25 | 25 |
|        |           |                                                                  |                         | 4. Arjun Garewal (0103ME191038)                  |                                                                           | 3 | 2 | 2 | 3 | 3 | 2   | 25 | 25 |
| 626/37 | 11/5/2023 | Thermo Electro Refrigeration                                     | Dr. Shashi Ranjan Mohan | 1. Manu Hathiya ( 0103ME191080)                  | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8, PO9,PO10,PO11, PO12 /PSO1,PSO2,PSO3,PSO4 | 3 | 2 | 3 | 3 | 3 | 2   | 27 | 27 |
|        |           |                                                                  |                         | 2. Ankit John Xalxo (0103ME191032)               |                                                                           | 3 | 2 | 2 | 3 | 3 | 2.5 | 26 | 26 |
|        |           |                                                                  |                         |                                                  |                                                                           |   |   |   |   |   |     |    |    |

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.

|                                                                                                      |                                                                         |  |  |  |  |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--|--|--|--|
| <b>Impact:</b>                                                                                       |                                                                         |  |  |  |  |
| 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        |  |  |  |  |
|                                                                                                      |                                                                         |  |  |  |  |
| <b>Conclusion:</b>                                                                                   |                                                                         |  |  |  |  |
|                                                                                                      |                                                                         |  |  |  |  |
| Students become better prepared for Project, industry, research, higher studies and entrepreneurship |                                                                         |  |  |  |  |