



**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION  
ENGINEERING**

**Project Base Learning Projects**

**Year 2024-25**

**Batch A1 & A3**



| <b>Sr. No.</b> | <b>Name of Students</b>  | <b>Project Name</b>                            |
|----------------|--------------------------|------------------------------------------------|
| 1.             | Rajvardhan Singh Rathore | Face Recognition System                        |
|                | Rupesh Kumar             |                                                |
|                | Shivam Prajapati         |                                                |
|                | Swarup Jana              |                                                |
|                | Vivek Kumar              |                                                |
|                | Vydeh A Nambiar          |                                                |
|                | Aditya Mohite            |                                                |
| 2.             | Abhijit Rai              | Smart Home Automation (Avishkar)               |
|                | Adarsh Kumar             |                                                |
|                | Awadesh Kumar            |                                                |
|                | Chhaterpal               |                                                |
|                | Divesh Singh Mehta       |                                                |
|                | Gaurav Kumar Singh       |                                                |
| 3.             | Aditya Singh Rathore     | LASER Security Alarm- An Invisible Shield      |
|                | Akshansh Yadav           |                                                |
|                | Amit Kumar               |                                                |
|                | Anshik Kumar             |                                                |
|                | Arun Kumar Kushwaha      |                                                |
|                | Avinash Kumar Singh      |                                                |
|                | Ayush Kumar Yadav        |                                                |
| 4.             | Sachin                   | Smart GreenHouse                               |
|                | Saurav Chauhan           |                                                |
|                | Shivang Kumar            |                                                |
|                | Shiwans Pal              |                                                |
|                | Srijan Tripathi          |                                                |
|                | Vaibhav Krishali         |                                                |
|                | Vikash Yadav             |                                                |
| 5.             | Aditya                   | MEDI TRAIL- Revolutionizing Hospital Logistics |
|                | Aman Rai                 |                                                |
|                | Anusaya Muduli           |                                                |
|                | Ayush Kumar              |                                                |
|                | Bhavesh Dangi            |                                                |
|                | Harsh Kumar              |                                                |
|                | Harsh Wardhn             |                                                |
| 6.             | Raman Tripathi           | Sign Language Interpreter                      |
|                | Ritish Kumar             |                                                |
|                | Vishal Mathad            |                                                |
|                | Vivek Bisht              |                                                |
|                | Vivek Singh              |                                                |
|                | Hemita Sudam             |                                                |
|                | Manu                     |                                                |

**Dr. Renuka Bhandari**  
**Guide**



# ARMY INSTITUTE OF TECHNOLOGY

Department of Electronics & Telecommunication Engineering

## PBL PROJECT LIST (AY 24-25)

| Sr. No. | Reg No. | Roll No. | Name of the Student  | Project Title                                                                |
|---------|---------|----------|----------------------|------------------------------------------------------------------------------|
| GROUP 1 |         |          |                      |                                                                              |
| 1       | 230640  | 1222     | HIMANSHU CHAUDHARY   | KAWACH:-An<br>Accident detection<br>and response<br>module using MPU<br>6050 |
| 2       | 230609  | 1224     | PRIT YADAV           |                                                                              |
| 3       | 230633  | 1235     | OMESH KUMAR          |                                                                              |
| 4       | 230484  | 1230     | MITESH KUMAR KUMAWAT |                                                                              |
| GROUP 2 |         |          |                      |                                                                              |
| 1       | 230577  | 1236     | PALAK KUNDU          | Obstacle Detection<br>And Line Follower                                      |
| 2       | 230691  | 1224     | JYOTI MISHRA-        |                                                                              |
| 3       | 230540  | 1233     | NANCY                |                                                                              |
| 4       | 230529  | 1229     | MISHU KUMARI         |                                                                              |
| 5       | 230467  | 1231     | MUKUL KUMAR          |                                                                              |
| GROUP 3 |         |          |                      |                                                                              |
| 1       | 230496  | 1234     | NICKKY KUMAR         | Smart Checkout<br>With Biometrics &<br>Offline Support                       |
| 2       | 230639  | 1225     | KANNURU HARISH       |                                                                              |
| 3       | 230536  | 1228     | MAYANK KUMAR SINGH   |                                                                              |
| 4       | 230517  | 1241     | PRIYANSHU RAJ        |                                                                              |
| 5       | 230493  | 1232     | NAMAN GOEL           |                                                                              |

Dr. Rajashree Suryawanshi  
Guide



**ARMY INSTITUTE OF TECHNOLOGY****DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION****PROJECT BASED LEARNING (PBL) LIST  
SE E & TC (A.Y. 2024-25)****DIV B**

| SR. NO. | PROJECT TITLE                                                   | ROLL. NO | NAME OF STUDENTS        | FACULTY I/C       |
|---------|-----------------------------------------------------------------|----------|-------------------------|-------------------|
| 1       | AUTOMATIC PLANT WATERING SYSTEM                                 | 5249     | SAHIL SHEKHAWAT         | PROF.GIRISH KAPSE |
|         |                                                                 | 5250     | SAHIL KUMAR THAKUR      |                   |
|         |                                                                 | 5245     | RAYAN PRABHU            |                   |
|         |                                                                 | 5260     | VIKRAM SINGH            |                   |
|         |                                                                 | 5252     | SANSHEY                 |                   |
| 2       | A MULTIPURPOSE SURVIVAL POWERBANK                               | 5251     | SALIT KUMAR             | PROF.GIRISH KAPSE |
|         |                                                                 | 5259     | UDAY KUMAR              |                   |
|         |                                                                 | 5254     | SHIVANI (J & K)         |                   |
|         |                                                                 | 5264     | SAURABH YADAV           |                   |
|         |                                                                 | 5255     | SHRIVANSHU SINGH        |                   |
| 3       | SMART DUSTBIN                                                   | 5244     | RAHUL KUMAR             | PROF.GIRISH KAPSE |
|         |                                                                 | 5256     | SONU KUMAR              |                   |
|         |                                                                 | 5257     | SOUVIK PAL              |                   |
|         |                                                                 | 5246     | RISHIKESH KUMAR         |                   |
|         |                                                                 | 5247     | ROUSHAN KUMAR YADAV     |                   |
| 4       | TEMPERATURE AND WEATHER SENDING USING ARDINO                    | 5248     | RUTIK BHIMRAO TODKAR    | PROF.GIRISH KAPSE |
|         |                                                                 | 5243     | RAHOOL YADAV            |                   |
|         |                                                                 | 5261     | VISHAL KUMAR            |                   |
|         |                                                                 | 5262     | YUVRAJ SINGH            |                   |
|         |                                                                 | 5258     | TARUN JOSHI             |                   |
| 5       | EARTHQUAKE DETECTOR USING ARDUINO ACCELEROMETER MODULE          | 5263     | ROHIN RAJ               | PROF.GIRISH KAPSE |
|         |                                                                 | 5231     | LAXMI                   |                   |
|         |                                                                 | 5226     | KHUSHI YADAV            |                   |
|         |                                                                 | 5227     | KRIKA RAI               |                   |
|         |                                                                 | 5223     | KAJAL SINGH             |                   |
| 6       | SWICHING ON/OFF WITH YOUR PHONE CALL THROUGH ARDUINO GSM MODULE | 5241     | PUSHPENDER              | PROF.GIRISH KAPSE |
|         |                                                                 | 5242     | RAGHU VARDHAN NAIDU     |                   |
|         |                                                                 | 5238     | NIRMIT SAHU             |                   |
|         |                                                                 | 5228     | KULDEEP BISHNOI         |                   |
|         |                                                                 | 5229     | KUMAR HARSH             |                   |
| 7       | LPG SHIELD :AUTO EXHAUST AND ALERT SYSTEM                       | 5225     | KESHAV DANGI            | PROF.GIRISH KAPSE |
|         |                                                                 | 5224     | KARTIK KUMAR            |                   |
|         |                                                                 | 5222     | HIMANSHU                |                   |
|         |                                                                 | 5236     | NIKHIL KUMAR            |                   |
|         |                                                                 | 5232     | LOKENDRA SINGH          |                   |
| 8       | AUTONOMOUS FIRE FIGHTING ROBOT-IGNIS                            | 5233     | LOVNEET SINGH           | PROF.GIRISH KAPSE |
|         |                                                                 | 5234     | MOHIT KUMAR             |                   |
|         |                                                                 | 5235     | NARENDER DOTASARA       |                   |
|         |                                                                 | 5239     | NITESH KUMAR            |                   |
|         |                                                                 | 5240     | PARAMJEET SINGH         |                   |
| 9       | WEIGHING MACHINE USING ARDUINO UNO(20KG)                        | 5230     | LALIT MAKHAN SINGH      | PROF.GIRISH KAPSE |
|         |                                                                 | 5237     | NIKHIL JHAJHARIA        |                   |
|         |                                                                 | 5221     | HARSHAL SUBHASH DANDADE |                   |
|         |                                                                 | 5220     | HARSH KUMAR             |                   |
|         |                                                                 | 5201     | AAKASH KUMAR YADAV      |                   |



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**PROJECT BASED LEARNING (PBL) LIST**  
**SE E & TC (A.Y. 2024-25)**

**DIV B**

|    |                                                  |      |                      |                   |
|----|--------------------------------------------------|------|----------------------|-------------------|
|    |                                                  | 5207 | AJEET KUMAR          |                   |
|    |                                                  | 5213 | ANIRUDH MADHANI      |                   |
| 10 | PARKING MANAGEMENT SYSTEM                        | 5204 | ADITYA MAHLA         | PROF.GIRISH KAPSE |
|    |                                                  | 5205 | ADITYA MISHRA        |                   |
|    |                                                  | 5218 | DHEERAJ PANDEY       |                   |
|    |                                                  | 5219 | GAURAV PILANIA       |                   |
|    |                                                  | 5215 | AYUSH BAJETHA        |                   |
| 11 | IOT BASED HOME SECURITY SYSTEM                   | 5210 | AKSHAY SINGH         | PROF.GIRISH KAPSE |
|    |                                                  | 5211 | AMAN                 |                   |
|    |                                                  | 5212 | AMAN KUMAR           |                   |
|    |                                                  | 5209 | AKHIL RANA           |                   |
|    |                                                  | 5208 | AKASH SINGH          |                   |
| 12 | WATER TURBIDITY MEASUREMENT SYSTEM USING ARDUINO | 5214 | ANUBHAV SHAVARAN     | PROF.GIRISH KAPSE |
|    |                                                  | 5217 | AYUSH SINGH CHANDEL  |                   |
|    |                                                  | 5216 | AYUSH POONIA         |                   |
|    |                                                  | 5203 | ABISHEK KUMAR SHARMA |                   |
|    |                                                  | 5202 | AAYUSH KUMAR         |                   |

**MR. GIRISH KAPSE**  
**FACULTY INCHARGE**



**DR. G.R. PATIL**  
**HOD E&TC**