

Batch 2023-26 Sem-6

Polytechnic in EE

Project

Sub-Code ELE082

Choose any one of the following 30 Project Topic

A. Electrical Machines Projects

1. Transformer Testing and Performance Analysis
2. Induction Motor Performance Study
3. DC Motor Speed Control System
4. Synchronous Motor Study
5. Electrical Machine Fault Detection
6. Motor Maintenance and Protection System

B. Industrial Automation Projects

7. PLC Based Industrial Automation
8. Automatic Power Factor Correction System
9. Industrial Motor Control System
10. Automatic Street Light Control System
11. Industrial Load Monitoring System
12. Smart Energy Meter System

C. Power System Projects

13. Study of Electrical Power Distribution System
14. Substation Operation and Maintenance Study
15. Transmission Line Fault Detection
16. Load Flow Analysis of Power System
17. Power Factor Improvement Study
18. Power Quality Analysis in Industries

D. Renewable Energy Projects

19. Solar Power Generation System
20. Solar Panel Efficiency Analysis
21. Wind Power Generation System
22. Hybrid Solar-Wind Power System
23. Solar Street Light System
24. Renewable Energy Integration Study

E. Energy Management & Safety Projects

25. Energy Audit of Industrial Plant
26. Power Consumption Analysis of Buildings
27. Electrical Safety Audit
28. Smart Grid Technology Study
29. Electrical Wiring and Protection Study
30. Energy Saving Techniques in Industries