

Batch-2024-26_Sem-4

M.Sc. Physics

Project

Sub-Code PHY716

Choose any one of the following 30 Project Topic

A. Electronics & Instrumentation Projects

1. Design and Study of Amplifier Circuits
2. Study of Digital Electronics Circuits
3. Design of Power Supply Circuits
4. Operational Amplifier and Its Applications
5. Microcontroller-Based Temperature Monitoring System
6. Study of Electronic Sensors and Applications

B. Solid State Physics Projects

7. Study of Semiconductor Materials
8. Electrical Properties of Semiconductor Devices
9. Study of Dielectric Properties of Materials
10. Magnetic Properties of Solid Materials
11. Crystal Structure Analysis of Materials
12. Study of Superconductivity and Applications

C. Optics & Laser Physics Projects

13. Study of Laser Properties and Applications
14. Optical Fiber Communication System Study
15. Interference and Diffraction Experiment Study
16. Polarization of Light and Applications
17. Holography and Laser Applications
18. Study of Optical Instruments and Their Efficiency

D. Nuclear & Particle Physics Projects

19. Study of Radioactive Decay and Applications
20. Nuclear Radiation Detection Techniques
21. Particle Detection Methods
22. Study of Nuclear Energy and Applications
23. Radiation Safety and Protection Study
24. Nuclear Physics Experimental Study

E. Renewable Energy & Applied Physics Projects

25. Solar Cell Efficiency Measurement
26. Wind Energy Conversion System Study
27. Study of Renewable Energy Resources
28. Solar Panel Performance Analysis
29. Energy Conservation Techniques Study
30. Thermoelectric Power Generation Study