Course Code	Course Name	Credits
26PH250	INTERNSHIP	02

Course Description

This course provides students with practical exposure to real-world applications of physics through internships in industries, research labs, academic institutions, or technical organizations. It enhances employability skills and bridges the gap between theoretical knowledge and practical implementation.

Course Objectives

- To provide hands-on experience in applied physics environments
- To develop professional and technical skills
- To understand workplace ethics and responsibilities
- To encourage industry-academia interaction

Skill Enhancement Outcomes

Upon successful completion of this course, the learner will be able to:

- Apply physics concepts in real-world situations
- Demonstrate professional work ethics and teamwork
- Use scientific tools and techniques effectively
- Analyze practical problems and propose solutions
- Communicate technical findings through reports and presentations

Course Content and Training

- Identification of internship domain (industry/research/academic)
- Orientation and workplace safety practices
- Observation and participation in technical activities
- Application of physics principles in assigned tasks
- Interaction with professionals and supervisors
- Maintenance of internship logbook
- Preparation of internship report
- Final presentation and viva

Areas of Internship

Students may undertake internships in:

- Electronics & Instrumentation
- Renewable Energy
- Materials Science / Nanotechnology
- Air traffic control unit
- Signal Communication
- Medical Physics
- Computational Physics / Data Analysis
- Research Laboratories / Industries / Academic Institutions

Learning Outcome

Students will gain practical exposure, enhance technical competency, and develop professional skills required for careers in physics and related fields.