

## The program outcome of Physics

1. **Understanding of Fundamental Principles:** Students will gain a deep understanding of the fundamental principles of physics, including mechanics, electromagnetism, thermodynamics, and quantum mechanics.
2. **Problem-Solving Skills:** Students will develop strong problem-solving skills, including the ability to analyze complex problems, identify key concepts, and apply relevant principles.
3. **Experimental Skills:** Students will gain hands-on experience with experimental techniques, including data collection, analysis, and interpretation.
4. **Mathematical Skills:** Students will develop strong mathematical skills, including the ability to apply mathematical models to physical systems.
5. **Communication Skills:** Students will develop clear and concise communication skills to convey complex physical concepts and research findings.
6. **Understanding of Modern Physics:** Students will gain an understanding of modern physics topics, including relativity, particle physics, and condensed matter physics.
7. **Research Skills:** Students will learn to conduct research using various methods and tools, including computational simulations and data analysis.
8. **Preparing for Future Careers:** Students will be prepared for careers in research, industry, education, and other fields related to physics.
9. Additionally, students may also develop skills in Computational physics, Data analysis and visualization, Laboratory management, Science communication and Teaching and education