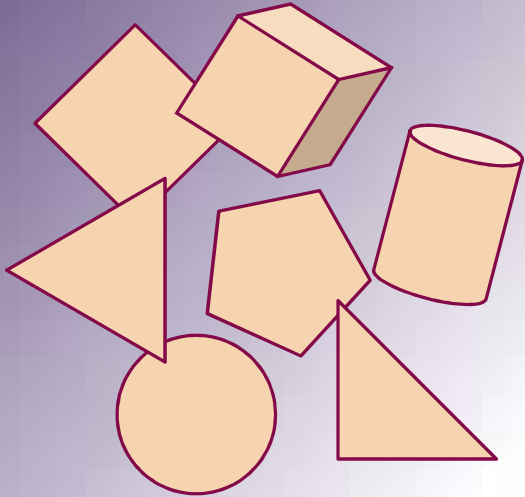




M.Sc.
Department of Physics
Placement Brochure
(2019-2020)



INDIAN INSTITUTE OF TECHNOLOGY
PATNA



ABOUT US

The Department of Physics at IIT Patna established in August, 2008 is committed to impart high quality education in Physics at Undergraduate and Postgraduate levels.

This program is designed to provide students with the knowledge and skills necessary for a professional career or higher studies. This is done through coursework Algorithm, Structure of C program, Solution of linear algebraic equation, Boundary Value Problems, PDE through C programing, Scattering theory & Relativistic Quantum Mechanics, Laser, Holography, Fiber Optic, Basics in Quantum Electrodynamics, Classical molecular dynamics simulations, The Quark Parton Mode, Introduction to Grand Unified Theories and many others. The young and dynamic faculty members of the department have versatile experience both in teaching and research.



COURSES OFFERED

CORE COURSES

- Numerical Techniques : Algorithm, flowchart & structure of C program
- Mathematical Physics
- Classical Mechanics & Statistical Physics
- Quantum Mechanics-I
- Particle Physics
- Electronics
- Applied Optics
- Statistical Physics
- Classical & Quantum electrodynamics
- Computational Physics : algorithm & simulations of different methods
- Atomic and Molecular Physics & Solid State Physics
- Measurement Techniques

LABORATORIES

- Data structure and Algorithms lab in C
- Computational physics Lab
- Electronics Laboratory
- General Physics Laboratory
- Measurement Techniques laboratory

ELECTIVES

- Quantum Optics & Quantum Information
- Physics of Ultracold Atoms
- Biophotonics
- Nanoscience
- Introduction to Medical Physics
- Atomic collision physics
- Magnetic Materials and Applications
- Materials for Engineering Applications
- Fourier Optics and Holography
- Introductory Biophysics



WHY RECRUIT US ?

The degree course gives a firm foundation in Physics both in Theoretical as well as Practical with an emphasis on improving coding skills and reasoning formally. With the help of ongoing projects we are able to apply it in real world. We are capable to pursue careers in both academics and industry. The students are encouraged to tackle theoretical as well as Industrial problems transforming them into motivated individuals who can be great asset for any organization, be it academic, R&D, software, analytics or finance.

CONTACT US



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