

# INDIAN INSTITUTE OF TECHNOLOGY, PATNA

## Placement Brochure 2023-24

### M.Sc Physics





# □ ABOUT US:

- **Department of Physics at IIT Patna is one of the well leading departments to train undergraduate students.**
- **Department is committed to engaging high quality research in both theory and experiment.**
- **Currently, the main research emphasis of the department comprises Condensed Matter Physics, Quantum Physics, Optics, Biophysics, Atomic and Molecular Physics, and High Energy Physics.**
- **Being a core science course, students are made flexible with the use of data handling tools as well as statistical and mathematical approaches.**



# □ ACHIEVEMENTS

- **Dr. Praveen Kumar** has been selected for **Best PhD Thesis Award** in the **44th Annual Symposium of Optical Society of India on \_Frontiers in Optics and Photonics \_ (FOP21)**, held during **Sept. 24-27, 2021**, **Optics and Photonics Centre, IIT Delhi (Online)**.
- **Mr. Mohit Mittal**, student of **M. Sc Physics 2020 batch (Roll no. 2012PH09)**, **IIT Patna** won the **third prize** in the **hackathon online event on quantum computing**, which was organized by **ISTE NIT Calicut and the Eigen solvers**.
- **Dr. Naveen Nischal**, **Department of Physics**, has been listed in the **World's Top 2% Scientists List** released by **Stanford University** with the world rank **952** in the field of **Optics (2020)**.
- **Dr. A. K. Thakur** is nominated as a **Member of the National Committee to Review "Roadmap for RCI Technologies"** Chaired by **Dr. V. K. Saraswat, Member NITI Aayog, New Delhi**.
- **Dr. Naveen Nischal** received **India Top Cited Author Award-2019** as an author of one of the **top 1% most-cited papers in Physics** published over the period of **2016-2018**, **IOP Publishing, UK**. **A. Fatima, I. Mehra, and N. K. Nishchal**, "Optical image encryption using equal modulus decomposition and multiple diffractive imaging," **Journal of Optics 18 (2016) 085701**.



# ☐ COURSES OFFERED:

## CORE SUBJECTS

- Mathematical Physics
- Classical Mechanics
- Quantum Mechanics
- Numerical Techniques
- Electronics
- Electronics Laboratory
- Applied Optics
- Statistical Physics
- Electrodynamics
- Computational Physics
- Atomic & Molecular Physics
- Solid State Physics
- Particle Physics

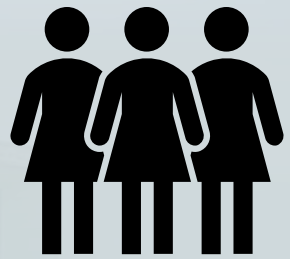
## ELECTIVES

- Nanoscience
- Quantum Optics & Quantum Information
- Physics of Ultracold Atoms
- Bio-photonics
- Introduction to Medical Physics
- Magnetic Materials and Applications
- Materials for Engineering Application
- Atomic Collision Physics
- Fourier Optics and Holography
- Introductory Biophysics



# ❑ BATCH GENDER DIVERSITY

TOTAL STUDENTS: 30



3 FEMALES



27 MALES



# ❑ PAST RECRUITERS



Aakash



Rakuten  
Mobile



accenture



MPL  
MOBILE PREMIER LEAGUE



cogoport®

FIITJEE



One Geo



# □ WHY HIRE US



Research and Diligence



Multitasking and handling  
pressure



Smart thinkers



Technical knowledge  
(Matlab, Python, Data  
Handling)



Communication and  
presentation



College projects and  
workshops



# REACH US

Professor In-Charge  
(PIC)

Dr .Ashwani Assam

 : [aashwani@iitp.ac.in](mailto:aashwani@iitp.ac.in)

 : +91-611-523-38829

Training and Placement Officer  
(TPO)


Mr . Kripa Shankar Singh


 : [kripa@iitp.ac.in](mailto:kripa@iitp.ac.in)

 : +91-6115-233091

Assistant Coordinator


Mr.Aman Kumar


 : [aman\\_2212ph02@iitp.ac.in](mailto:aman_2212ph02@iitp.ac.in)

 : +91-6398924131

Assistant Coordinator

Ankita Srivastava

 : [ankita\\_2212ph06@iitp.ac.in](mailto:ankita_2212ph06@iitp.ac.in)

 : +91-9026696769