

ABOUT THE DEPARTMENT

- 19 faculty members with expertise spread across Theoretical & Experimental Condensed Matter Physics; Optics & Spectroscopy; General Relativity; Quantum Optics; and Astrophysics.
- Twenty-four Ph.D. students are currently pursuing research in different areas of Physics
- More details can be obtained from the departmental webpage:

<http://www.bits-pilani.ac.in/hyderabad/physics/physics>

APPLICATION & SELECTION PROCESS

- Selection is made through an entrance test followed by an interview (M.E / M.Tech / M.Phil / NET / GATE qualified candidates are exempted from the entrance test).
- Interested candidates can visit <https://www.bitsadmission.com/phd/index.aspx> for more details regarding the application process. Applicants should submit an online application form along with the required documents.
- Those admitted to the full-time Ph.D. programme will be considered for Project/Research Assistantships up to Rs. 31,000/- per month in the first year and higher amounts in subsequent years. Selected full-time candidates will be required to participate in teaching and other developmental programs of the institute under the guidance of a mentor.

IMPORTANT DATES

Last date for applying: * to be announced in [bitsadmission](https://www.bitsadmission.com)

Shortlisted candidates and the test and interview dates will be announced later.

Contact (Pilani Campus):

Ph: 01596 242205 (10.00 hrs to 17.00 hrs)

E-mail: phdadm@pilani.bits-pilani.ac.in

Contact (Hyderabad Campus)

Off: +91 4066303830

Email: admissions@hyderabad.bits-pilani.ac.in

RESEARCH AREAS

- General relativity, Black holes
 - Nuclear Astrophysics *
 - Condensed Matter Physics * (Microfluidics, Magnetic nanostructures, Multiferroics, Plasmonics)
 - Quantum optics, modeling quantum devices*
 - High energy physics
 - Theoretical Physics*
 - Biomaterials
- * Admission for Sem-I 2023-24 is planned only for these research areas.

ELIGIBILITY

- Minimum 60% marks in M.Sc (Physics) or BE /B.Tech (any branch)
- Admission will be based on written test and interview (M.E / M.Tech / M.Phil / NET / GATE qualified candidates are exempted from the entrance test).



Dynamic Mechanical Analyzer



Scanning Tunneling Microscope



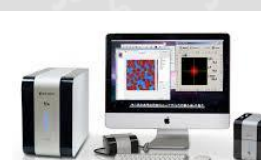
AC Impedance Analyzer



Faraday Rotation Measurement Unit



Thin Film Deposition Unit



Atomic Force Microscope



Fluorescent Microscope



Soft Lithography Fabrication Unit



Server for Computation