

ABOUT THE DEPARTMENT

- **26 faculty members** with expertise in **different research areas**.
- **32 Ph.D. students** currently pursuing research in the department.
- **Five of our recent Ph.Ds are doing post-doctoral research in reputed institutions in India and abroad.**
- For more details: <https://www.bits-pilani.ac.in/hyderabad/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).
- Full-time Ph.D. scholars will be considered for Project/Research Assistantship of Rs. 37,000/- per month, which may be increased to either Rs. 40,000/- or 42,000/- per month based on performance. In addition to their research work, they will be required to participate in teaching and other related activities of the institute.
- Apply online with required documents. For more details please visit

<https://www.bits-pilani.ac.in/admissions/doctoral-program-phd/>

IMPORTANT DATES

Last date for applying: 29th APRIL 2025

Shortlisted candidates will be called for the test/ interview.

Contact (Hyderabad Campus)

Off: +91 4066303830

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

RESEARCH AREAS

- High Energy Physics
- **Astrophysics*** (Nuclear Astrophysics)
- **Theoretical Physics*** (Quantum Dissipation and QFT, Statistical Mechanics and Computational Soft Matter)
- **Experimental Condensed Matter Physics***
(Spintronics in Nanomagnets, Quantum Devices and Low-Dimensional Quantum Materials, Multiferroic Materials, Spectroscopy in Quantum Materials)
- Quantum Optics, Modeling Quantum Devices
- **Bio-imaging, single molecule spectroscopy, & biophotonic devices***

*** Admission for I - Sem 2025 - 2026 is planned only for these research areas.**

ELIGIBILITY

- Minimum 60% marks in M.Sc (Physics/ Maths/ Materials science/ Electronics/ Nanotechnology) or BE /B.Tech (any branch)
- Admission will be based on a 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