

## ABOUT THE DEPARTMENT

- 24 faculty members with expertise on different Research areas.
- 28 Ph.D. students currently pursuing research in the department.
- 5 recent Ph.D.'s joined post doctorates abroad, reputed Indian research institutes.
- More details can be obtained from the departmental webpage:

<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).
- Apply online with required documents. For more details please visit <https://www.bitsadmission.com/phdsem2x2024/Default>
- Full-time Ph.D. scholars will be considered for Project/Research Assistantships up to Rs. 34,000/- per month in the first year and higher amounts in subsequent years. They will be required to participate in teaching and other related activity of the institute.
- Partial fee waiver option is there for the selected candidates.

## IMPORTANT DATES

Last date for applying: 18<sup>th</sup> November 2024

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

Contact (Hyderabad Campus)

Off: +91 4066303830

Email: [admissions@hyderabad.bits-pilani.ac.in](mailto:admissions@hyderabad.bits-pilani.ac.in)

## RESEARCH AREAS

- High Energy Physics
- Theoretical Physics (Quantum Dissipation and QFT)\*
- Astrophysics (Cosmic Rays)\*
- Experimental Condensed Matter Physics  
(Spintronics in Nanomagnets, Quantum Devices and Low-Dimensional Quantum Materials)\*
- Quantum Optics, Modeling Quantum Devices
- Biophysics and Biomaterials\*
- Theoretical Condensed Matter

\* Admission for II - Sem 2024-25 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



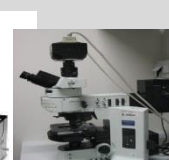
Faraday Rotation Measurement Unit



Thin Film Deposition Unit



Atomic Force Microscope



Fluorescent Microscope



Soft Lithography Fabrication Unit



Server for Computation