

Department of Physics, BITS, Pilani, Pilani campus

Ph D admission in I SEM 2017-18

1. Area(s) of Ph D admission in the I Semester 2017-18:

- (i) High energy/Particle Physics**
- (ii) Atomic and Molecular Physics**
- (iii) Laser-atom interaction**
- (iv) Liquid Crystals**
- (v) Surface Plasmon Resonance**
- (vi) Astronomy and Astrophysics**
- (vii) Condensed Matter Physics**
- (viii) Cosmology**

2. Scholarship/assistantship available:

(a) Institute Assistantship Up to Rs 25000 per month

(b) Project position(s): 5

Title of project:

“Theoretical Study of Electron impact double ionization of atoms and molecules”, under the supervision of Dr. Rakesh Choubisa

Title of project:

“Studies on Quarkonium Suppression in Asymmetric Nuclear Collision at LHC”, under the supervision of Dr. Madhukar Mishra

Title of project:

“Dynamical and Topological Properties of Floquet Systems: A comparative study of perturbative schemes”, under the supervision of Dr. J. N. Bandyopadhyay

Title of project:

“Generation and Characterization of Attosecond Pulses with Specific Polarization and its Applications”, under the supervision of Dr. Amol Holkundkar

Title of project:

“Surface Plasmon Resonance Instrument”, under the supervision of Dr. Raj Kumar Gupta

Fellowship amount: As per DST Norms

3. Department plans to admit student under: (i) Project Fellowships (ii) Institute Fellowships and (iii) Part-time Scheme

a. **Full Time students:** student who will devote full-time on Ph D work.

b. **Part-time Students**(Applicable only if the Department has consented):

Candidates working in organizations situated close to the campus will be admitted under this scheme. Students will have to complete required coursework similar to full-time students as specified by DRC. They will not be entitled for any assistantship from the Institute.

4. Fee structure: (For the academic year 2016-17*):

	Full-Time	Part-Time
Ph D application fees (one time)	2200	2200
Admission fees (one Time)	28050	28050
Tuition fees per semester *	11330	22660
Institute caution deposit	3000	3000
Hostel Fee, Mess & electricity advance Hostel, ICT, Infra Structure Modernization Fees student aid fund	Applicable as per campus rules	---

** The above prescribed semester fees is for student admitted in the academic year 2016-17. For these students, the semester, term, and admission fees will be revised upward every year, but will not increase beyond 15% each year (unless the government announces any new levy/tax, which will be passed on to all existing students irrespective of their year of entry.*