

BITS-Pilani, K K Birla Goa Campus

Department of Physics

Ph D admission in I SEM 2013-14

1. Area(s) of Ph D admission:

The department has a vibrant research program in the area of Theoretical and Experimental Physics. The thrust areas of current research activity are

- **Theoretical & Computational Physics:** Nuclear Physics, Nonlinear dynamics, Quantum Computation
- **High Energy Physics & Astrophysics :** Collider and Precision Physics (LHC & LC), QCD, Supersymmetry, Extra dimension, B-physics, Neutron star, String Theory and Quantum gravity
- **Condensed Matter Physics(Theory + Experiment):** Low-temperature magnetization measurement, Semiconducting Thin Films, Statistical Physics.
- **Optics & Spectroscopy:** Nonlinear optics, Quantum optics

2. Scholarship/assistantship available:

(a) Institute Assistantship:

- **Rs 15400/- p.m.** for Higher Degree (M.E./ M. Pharm/ M Phil) holder.
- **Rs 11000/- p.m.** for First degree (M Sc/ M.A./B.E.) holders in the first year and **Rs 15400/- p.m.** from second year onward.

(b) Sponsored projects-

Title of project: Magneto-transport in magnetic tunnel junctions

Funding agency: DST, Govt. of India

No. of positions: One

Research area: Experimental Condensed Matter Physics

Fellowship amount: Rs. 16,000 per month (for a JRF)

(For details click at <http://universe.bits-pilani.ac.in/goa/rsp/Research>)

3. Regular and Part-time PhD program: Besides the **regular PhD program**, the department also has **part-time PhD program**. A student who has cleared his/her Master in Science(M.Sc), may enroll himself/herself in the Institute PhD program as a regular/part-time scholar.

- Regular students:** student who will devote full-time on Ph D work. Will be considered for assistantship/project fellowship in addition to 90 % waiver in tuition fee.
- Part-time Students:** Candidates working in organizations situated nearby places to the campus will be admitted under this scheme. Students will have to complete required course work similar to full-time students as specified by DRC(Departmental Research Committee). Such students will be entitled for 80% waiver in tuition fee. However, they will not be entitled for any assistantship from the Institute.

4. Fee structure (For the academic year 2013-14):

	Full-Time	Part-Time
Ph D application fees (one time)	1750	1750
Admission fees (one Time)	20200	20200
Tuition fees per semester *	7850 (10% of the total semester fee)	15700 (20% of the total semester fee)
Institute caution deposit	3000	3000

Hostel Fee, Mess & electricity advance Hostel, ICT, Infra Structure Modernization Fees student aid fund	Applicable as per campus rules	---
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** The above prescribed semester fees is for student admitted in the academic year 2013-14. 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 lavy/tax, which will be passed on to all existing students irrespective of their year of entry.*

5. For further information contact:

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