



**STEER YOUR RESEARCH
WHERE SCHOLARS DO.**

**ADMISSION OPEN
FOR PhD PROGRAMMES**
First Semester 2018-19

Birla Institute of Technology & Science, Pilani

A deemed to be university, provides a unique and stellar all-round educational, research and co-curricular learning to over 13,500 students across campuses in Pilani, Goa, Hyderabad and Dubai; offering UG, PG and PhD level programmes in Engineering, Science, Pharmacy, Management, Economics & Finance and Humanities & Social Sciences. BITS Pilani is ranked among the top universities in India, ranked in both QS and THE world ranking, and is one of the emerging universities in Asia.

Applications invited for PhD Programmes at Pilani, Goa and Hyderabad campuses in the following areas of research

- Science: Biological Sciences, Chemistry, Mathematics, Physics.
- Engineering: Chemical, Civil, Computer Science, Electrical & Electronics, Mechanical.
- Pharmacy.
- Economics and Finance, Management, Humanities and Social Sciences (HSS).
- Interdisciplinary: Biotechnology, Energy, Environment, Robotics, Nano-science & Nanotechnology, Sanitary Science & Engineering Sensors & Diagnostics, and Water Resources.

Eligibility Qualifications

- ME/ MTech/ MPharm/ MBA/ MPhil (minimum of 60% in aggregate).
- MSc/ BE/ BTech/ BPharm or equivalent degree (minimum of 60% in aggregate) may also apply. However, they need to do additional coursework.
- For PhD Programme in HSS; MA (minimum of 55%) with additional coursework.

Full-time Students

PhD, In-house research with campus residence.

Assistantship

₹25,000 per month: Institute Research Assistantship for 1st Year Full time PhD students. Higher Assistantship is paid in subsequent years.

Part-time Students

Preferably individuals working in organizations providing basic facilities and environment for research to be admitted under this scheme.

Application Procedure

Apply online at www.bitsadmission.com (or download and send filled form by post). Deadline to receive the filled application with fee is 5 pm, May 16, 2018.

For fee payment mode and other details, visit www.bitsadmission.com



Department of Pharmacy, BITS, Pilani (Pilani campus)
PhD admission in I SEM2018-19

1. Area(s) of Ph D admission in the I Semester2018-19:

Thrust Research Areas	Full Time	Part time
Pharmaceutics and Pharmacokinetics	√	√
Pharmaceutical Chemistry, Natural Drugs and Phyto-Chemistry	√	√
Pharmacology and Toxicology	√	√
Pharmaceutical Analysis and Quality Assurance	x	√
Clinical Research and Clinical Pharmacy	x	√
Pharmaceutical Biotechnology	x	√

2. Scholarship/assistantship available:

(a) Institute Assistantship: Up to Rs 25,000 per month for Higher Degree (M.E./ M. Pharm/ M Phil) holder Essential Qualification: M. Pharm/ M.S. (Pharm.) in Pharmaceutics & Pharmacokinetics, Pharmaceutical Chemistry Natural Drugs and Phyto-Chemistry, Pharmacology. Candidates with GATE/GPAT/CSIR-NET or equivalent examination will be preferred

(b) Project position(s):

Project 1:

Title of project: Peptide-decorated pH-sensitive nano-conjugate hybrid micelles for co-delivery of temozolomide and an autophagy inducer, rapamycin, for treatment of glioblastoma multiforme

Fellowship amount: For total 3 years; INR 25,000 /month

Essential Qualification: M.Pharm./ M.S. (Pharm) in Pharmaceutics/pharmacology

Project 2:

Title of project: Actively targeted nano-formulations for co-delivery of a taxane and antioxidant molecule, alpha lipoic acid, for treating breast cancer

Fellowship amount: For total 3 years; INR 11,400 /month

Essential Qualification : M.Pharm./ M.S. (Pharm) in Pharmaceutics/pharmacology

Project 3:

Title of project: Development of novel anti-leishmanial analogues loaded with novel nano formulations

Fellowship amount: For total 2 years; INR 25,000 /month

Essential Qualification : M. Pharm / M.S Pharm (Pharmaceutical Chemistry / Medicinal Chemistry /Natural Products Chemistry) with / without GATE / GPAT

Project 4:

Title of project: To study the role of hyperglycemia on the progression of acute kidney injury.

Fellowship amount: For total 3 years; INR 25,000/month for 2 years, INR 28,000/month 3rd year

Essential Qualification : M. Pharm/ M.S. (Pharm.)in Pharmacology/Regulatory Toxicology with GATE/GPAT/CSIR-NET or equivalent examination will be preferred

Project 5:

Title of project: Insight into dissolution mechanism of amorphous solid dispersions of macitentan

Fellowship amount: For total 2 years; INR 25,000 / month

Essential Qualification : M Pharm/ MS (Pharmacy) in Pharmaceutics

Project 6:

Title of project: Design and evaluation of novel ophthalmic formulation of prednisolone acetate

Fellowship amount: For total 3 years; INR 20,000 / month

Essential Qualification : M. Pharm in Pharmaceutics, Industrial Pharmacy, Advanced drug delivery or equivalent

Project 7:

Title of project: Quality by design (QbD) based suspension product development and process optimization

Fellowship amount: For total 2 years; INR 14,000 / month

Essential Qualification : M. Pharm/ M.S. (Pharm.) in Pharmaceutics, Industrial Pharmacy, Advanced drug delivery or equivalent

Project 8:

Title of project: Umbilical cord mesenchymal stem cells derived exosomes as biogenic nanocarriers of miRNA and chemotherapeutic drug for reversal of chemoresistance in breast cancer

Fellowship amount: For total 3 years; INR 25,000 /month

Essential Qualification : M. Pharm/ M.S. (Pharm.) in Pharmaceutics/Pharmacology. Candidates with GATE/GPAT/CSIR-NET or equivalent examination will be preferred

Project 9:

Title of project: Cyclic RGD modified lipopolymeric micelles for targeted delivery of Tamoxifen in ER+ breast cancer

Fellowship amount: For total 2 years; INR 11,400/ month

Essential Qualification : M. Pharm/ M.S. (Pharm.) in Pharmaceutics/Pharmacology/ Pharmaceutical Chemistry with GATE/GPAT/CSIR-NET or equivalent examination will be preferred.

Project 10:

Title of project: Exploring the Role of Endocrine Disrupting Chemicals (EDCs) during Pregnancy and its Relation to Anetnatal and Perinatal Events

Fellowship amount: For total 3 years; INR 25,000 /month

Essential Qualification : M. Pharm/ M.S. (Pharm.) in Pharmaceutics, Pharmacology, Pharmaceutical chemistry or equivalent.

3. Department plans to admit student under:

- a. Full Time students:** Student who will devote full-time on PhD work will be considered for assistantship/project fellowship. Preference will be given to candidates working in ongoing sponsored projects in the Institute, and the CSIR/UGC- NET qualified candidates, irrespective of the position available in above areas.
- b. Part-time Students:** Preferably individuals working in organizations providing basic facilities and environment for research will be admitted under this scheme Students will have to complete required course work similar to full-time students as specified by DRC. They will not be entitled for any assistantship from the Institute. Part time students have to visit the campus for registration, mid-semester evaluation and end semester evaluation in addition to small period required by the department.

4. Fee structure: (For the academic year 2018-19*):

	Full-Time	Part-Time
Ph D application fees (one time)	2400	2400
Admission fees (one Time)	36200	36200
Tuition fees per year *	31800	63200
Institute caution deposit (one time)	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 2018-19. 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.*