

Ph.D. Program in the Department of Biosciences and Biomedical Engineering IIT Indore

The Department of Biosciences and Biomedical Engineering (BSBE) at IIT Indore invites applications from highly motivated and research-oriented students for admission to its Ph.D. Program for the *Autumn Semester* of AY 2021-2022 as per the below-mentioned categories of admission. Candidates are strongly advised to visit the profiles of the faculty members at <http://bsbe.iiti.ac.in/faculty.php> before applying for the PhD program.

Last date of online application: June 12th, 2021

Area of Research:

- Cerebral Malaria infection- Hem Jha Lab
- Neuro- Virology infection- Hem Jha Lab
- Drug Design, Development-Mirza Baig Lab
- Molecular signaling- Mirza Baig Lab
- Bioprocess control systems- Murthy Lab
- Value-added bioprocessing- Murthy Lab
- Viral Vaccine Development- Nayak Lab
- Immunotherapy- Nayak Lab
- Computational Biology- Kar Lab
- Molecular Dynamics Simulation- Kar Lab
- Biosensors- Abhijeet Joshi Lab
- Drug delivery- Abhijeet Joshi Lab
- Molecular Biology- Prashant Lab
- Molecular Immunology- Prashant Lab
- Phycotechnology- Kiran Bala Lab
- Bioremediation- Kiran Bala Lab
- Bacterial pathogenesis- Avinash Lab
- Host directed therapy- Avinash Lab
- Disease molecular target- Amit Lab
- Transcriptomics & Genomics- Amit Lab

Application Procedure: (for Indian Students)

- Candidates must apply ONLINE through our website (<http://academic.iiti.ac.in:8080/nregistration.jsp>). This will generate a unique application number for each applicant.
- Application Fee: Kindly refer to the main Ph.D. Advertisement of the Institute available at <http://academic.iiti.ac.in/phdadvt.php>
- *After submitting the application online, the eligible candidate has to send the signed hard copy of the application along with SBI Collect receipt, recent photograph, self-attested relevant certificates (for SW candidates: NOC, experience certificate, last 3 months salary slips, and Employer's PAN card) which should reach before the date of the Interview.*
- In case a candidate wishes to apply in more than one department, then a separate application must be filled for each department.

- No TA/DA will be provided to the applicants if called for written test/interview.
- The shortlisted candidates must arrange to send a minimum of two letters of recommendation directly to bsbephdadmissions@iiti.ac.in or provide in a sealed envelope before appearing for the interview.
- Mere fulfillment of the essential qualifications does not guarantee admission to the Ph.D. program in the Department of BSBE. The selection will be based on the overall performance, which may include an interview, academic background, suitability for research in the chosen field/area, research aptitude, communication skills, etc.

Categories of Admission: Kindly refer to the main Ph.D. Advertisement of the Institute available at <http://academic.iiti.ac.in/phdadvt.php>.

Eligibility: Kindly refer to the main Ph.D. Advertisement of the Institute available at <http://academic.iiti.ac.in/phdadvt.php>.

Minimum Educational Qualification and Qualifying Examination

- Minimum first class* Master degree in Life Sciences, Microbiology, Biotechnology, Bioinformatics, Physics, Biophysics, Chemistry, Biochemistry, Biomedical Science, with a valid GATE qualification or UGC/CSIR-JRF qualification or equivalent fellowship OR
- Minimum first class* M. Tech degree in Computer Science and Engineering/ Electrical/ Electronics/ Mechanical/ Biomedical/ Chemical/ Biotechnology/ Signal Processing with a GATE qualification or UGC/CSIR-JRF qualification or equivalent fellowship OR
- Minimum first class* Bachelor degree in Computer Science and Engineering/ Electrical/ Electronics/ Mechanical/ Biomedical/ Chemical/ Biotechnology/ Signal Processing with a valid GATE qualification or UGC/CSIR-JRF qualification or equivalent fellowship.

*The first class is defined as

- i. 60 % marks for GEN/OBC (55% for SC/ST) category in aggregate or as specified by the university/institute, OR
- ii. CPI/CGPA of 6.0 for GEN/OBC (5.5 for SC/ST) category on the scale of 10 with corresponding proportional requirements when the scales are other than on 10 (for example 4.8 for GEN/OBC category (4.4 for SC/ST) on a scale of 8), OR
- iii. A first class as specified by the University/Institute awarding the degree.

Research Areas of Faculty Members: For more details, visit faculty profiles at <http://bsbe.iiti.ac.in/faculty.php>

Address for Correspondence:

Convener, PhD Committee

Department of Biosciences and Biomedical Engineering

Indian Institute of Technology Indore

Khandwa Road, Simrol

Indore 453552, Madhya Pradesh, India.

Email: phdbseadmissions@iiti.ac.in