

REGULAR PhD Admissions Criteria.

The following shortlisting criteria was adopted for Regular PhD candidates

1. All students with own fellowship e.g. CSIR-JRF, Inspire, DBT-JRF etc. are eligible for interview provided they fulfill minimum advertised eligibility requirements.
2. Students without fellowship should have ≥ 7.5 CGPA or 70% and qualifying exam provided they fulfill minimum eligibility requirements.
Candidates belonging to ST/SC category should have ≥ 7.0 CGPA or 65% and qualifying exam.
3. All result awaited candidates are shortlisted.

| Centre | Research Areas | Eligibility |
|------------------------|--|---|
| Biomedical Engineering | <ol style="list-style-type: none">1. Cancer Biology,2. Immunology of Infectious Diseases, Vaccines, and Gut Microbiome3. Biomedical Instrumentation, Medical Devices, Machine Learning4. Biomedical-Photonics, Microscopy, Spectroscopy5. Musculoskeletal Regenerative Medicine, Wound Healing, 3D Bioprinting6. Biomaterials7. Image Processing, Healthcare Apps and Analytics, Medical Imaging8. Medical Image Analysis, Machine Learning9. Sensors for Disease Diagnosis10. Minimally invasive cancer therapies (Mechanical engineering background)11. Biophysics of Protein Aggregation, Drug Delivery12. Biomechanics, Bone and soft tissue. | <p>1. A master's degree in engineering (ME / MTech) or medicine (MD) or pharmaceutical sciences (MPharm) or veterinary science (MVSc) or dental surgery (MDS), with a minimum of 60 percent marks (6.5 grade points on a scale of 10). Relaxation for SC/ST candidates as per GOI rules</p> <p>Or</p> <p>2. A master's degree in sciences (MSc / MS) or equivalent, with a minimum of 60 percent marks (6.5 grade points on a scale of 10). A valid GATE score or qualified in UGC/CSIR/NET/INSPIRE fellowship, or equivalent. Relaxation for SC/ST candidates as per GOI rules</p> <p>Or</p> <p>3. A bachelor's degree in engineering (BE /BTech) or pharmacy (BPharm), with a minimum of 65 percent marks (7.0 grade points on a scale of 10) and a valid GATE score. A bachelor's degree from an IIT with a minimum of 8 grade points on a scale of 10 points without GATE. Relaxation for SC/ST candidates as per GOI rules</p> <p>Or</p> <p>4. A MBBS, BVSc, or BDS, with a minimum of 65 percent marks (7.0 grade points on a scale of 10). Relaxation for SC/ST candidates as per GOI rules.</p> <p>Click here to Apply online</p> |

Eligibility of PhD programme for Project Staff

Eligibility requirement of IIT Ropar project staff applying for Ph.D. will be treated similar to that of external registration program (ERP) candidates.

Eligibility Criteria:

For the candidates having Master Degree in Engineering/Science/Humanities:

- Minimum 6.5 CGPA OR 60% in PG programme
- Must have at least 06 months of experience in the project work at IIT Ropar
- Letter of recommendation from PI of the project under which he/she is working.
- Publications, if any will carry high weightage.

For the candidates having Bachelor's Degree in Engineering

- Minimum 8.0 CGPA / 75 % in UG programme OR Minimum 7 CGPA / 65 % with valid GATE score.
- Must have at least 06 months of experience in the project work at IIT Ropar
- Letter of recommendation from PI of the project under which he/she is working.
- Publications, if any will carry high weightage.

IIT Ropar Project staff will be directly shortlisted. However, they will have to clear written test/interview for admission.

The fellowship will be paid from the projects. However, they can be paid fellowship from the institute provided they have cleared the NET/GATE, as applicable. Further, candidates can also continue the PhD programme without fellowship.

There is no limit for number of project staff to be admitted under a supervisor for Ph.D programme.

The PI of the project should give an undertaking that the project staff, enrolled in the Ph.D. programme, shall be paid fellowship from the project grant till the completion of the project.

The project staff having left with more than one year of tenure is eligible to take admission in the Ph.D. programme under this category.

In case if the Project staff get selected in the Ph.D. programme by fulfilling all the eligibility criteria as may be laid for regular Ph.D. he shall draw his fellowship from the project only till the completion of the project and then can be eligible to move institute fellowship.

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Part time PhD

A research scholar under the Part time PhD Programme will carry out major part or all of his/her research work at IIT Ropar under the supervision of supervisor(s) at IIT Ropar. The feasibility of doing this with sufficient intensity will be an important consideration in admitting the scholar in this category.

The candidate should be employed in a reputed University/Institution/Organisation.

Leave is not required for attending the courses.

Minimum Educational Qualification:

Admission to this programme is open to the Departments/Centers as furnished in the Institute website / Advertisement. Registration under this programme is generally open in the following Departments/Centers.

PhD in Engineering: Civil, Chemical, Computer Science, Electrical, Mechanical, Biomedical, Metallurgical and Materials

PhD in Science: Mathematics (Only CFTIs), Chemistry, Physics

PhD in Humanities and Social Sciences: HSS

Minimum eligibility requirements

In addition to possessing the academic qualifications mentioned in the respective departments / centers under regular PhD program, an applicant should fulfil the following requirements also.

GATE or equivalent qualification

Minimum qualification for these candidates is the same as for full-time candidates except that the requirement of qualifying in a national examination (e.g., GATE or equivalent) is waived off

Professional Experience

The candidate should have a minimum experience of 2 (two) years (full time) after B.Tech./M.Tech/M.Sc./M.A. or equivalent as on the date of registration.

Sponsorship/NOC

Part-time candidates are required to submit a "No Objection Certificate" on a proper letterhead from the appropriate authority in the organization clearly stating the following:

- 1.The candidate is permitted to pursue studies on a part-time basis.
- 2.That his/her official duties permit him/her to devote sufficient time for research.
- 3.Facilities for research in the candidate's field of research in the area in which admission is sought are available at the candidate's place of work.
- 4.He/she will be fully relieved from duty and permitted to reside at the Institute for the period required residency.

NOC in case of change or organization

If the candidate after joining PhD program changes the organization, he should get NoC from the new organization as well.

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Direct PhD

Students under this category gets an opportunity to earn a doctorate in Engineering / Sciences / Humanities just after the Bachelor's degree.

Admission to this programme is open to the Departments/Centers as furnished in the Institute website / Advertisement. Registration under this programme is generally open in the following Departments/Centers.

PhD in Engineering: Chemical, Computer Science, Electrical, Mechanical, Biomedical, Metallurgical and Materials

PhD in Science: Mathematics (Only CFTIs), Chemistry, Physics

PhD in Humanities and Social Sciences: HSS

Minimum Eligibility Requirements:

For Students of Centrally Funded Technical Institutes (CFTIs)

Research Area will be same as Regular Ph.D Program

Studying in final year of B.Tech/BE

No GATE or other equivalent national exam qualification required

CGPA of at least 8.0 out of 10.0

For Students of Non-CFTIs

Research Area will be same as Regular Ph.D Program

Studying in final year B.Tech/BE

GATE or other equivalent national exam qualification required at the time of joining

CGPA of at least 8.0 out of 10.0

Programme Details

Regular PhD programme guidelines will be followed

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