

PhD Admissions

Information Brochure | Autumn Semester 2025-26



Academic Office
Indian Institute of Technology Goa

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1. Eligibility criteria for PhD admission

a. Full-time PhD program

i. Applicants must have one of the following in the appropriate subject areas¹.

1. Master's Degree in Engineering/Technology or equivalent degree with 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST).
2. Bachelor's degree or equivalent degree in Engineering/Technology with 70% marks or CPI 7/10 or equivalent. (65% marks or CPI 6.5/10 or equivalent for SC/ST).
3. Master's degree in science, arts, social sciences, or equivalent degree with 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST).
4. Bachelor's degree in science with 4-year/8-semester or equivalent degree with 70% marks or CPI 7/10 or equivalent (65% marks or CPI 6.5/10 or equivalent for SC/ST).

ii. Applicants must also fulfill one of the following additional requirements.

1. For engineering stream²:

- a. Qualified GATE in the relevant streams. (Candidates with B.E./B.Tech/B.S./MCA/M.Sc. degree or equivalent relevant degree must have a **valid** GATE score).
- b. Junior Research Fellowship (JRF) of CSIR/ UGC/ NBHM/ DBT/ ICAR/ ICMR/ ICPR Fellowship in the relevant streams.
- c. B.Tech/Dual degree from IIT with a CPI/CGPA of 8.0 or more.
- d. Minimum of 2 years of professional experience. (Acquired after obtaining the qualifying degree and completed before the start of the semester in which admission is sought) in the relevant areas. (Applicable to B.Tech/B.E./B.S./MCA/M.Sc. qualifying degree candidates).

¹ An ongoing degree may also be considered as a qualifying degree provided the applicant graduates before the PhD program starts.

² MTech/ME qualifying degree candidates are exempted from having a additional requirement for applying to the PhD program at IIT Goa.

2. For science stream:

- a. Qualified GATE/CSIR/UGC-NET/JEST in the relevant streams. (Minimum GATE score for UR and EWS-380, OBC-NCL-360, SC-280, ST-250)
- b. Junior Research Fellowship (JRF) of CSIR/ UGC/ NBHM/ DBT/ ICAR/ ICMR/ ICPR Fellowship, etc, in the relevant streams.

3. For humanities and social science stream:

- a. UGC-NET/GATE Qualified in Economics
- b. UGC-NET/JRF Qualified Candidates are encouraged to apply

b. Part-time PhD program

- i. Applicants must have ONE of the following in the appropriate subject areas.
 1. Master's Degree in Science/ Engineering/ Technology or equivalent degree with 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST) marks or equivalent and a minimum of two (02) years of work experience at the time of application.
 2. Bachelor's degree in Science/Engineering/Technology with 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST) or equivalent and a minimum of four (04) years of work experience at the time of application.
 3. Master's degree in Science/Engineering/Technology or equivalent degree with 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST) or equivalent from IIT/ IISER/ IIIT/ IISc/ NIT and a minimum of one (01) year of work experience at the time of application.
 4. Bachelor's degree in Science/Engineering/Technology or equivalent degree with 80% marks or CPI 8/10 or equivalent (75% marks or CPI 7.5/10 or equivalent for SC/ST) or equivalent from IIT/ IISER/ IIIT/ IISc/ NIT and a minimum of one (01) year of work experience at the time of application.

2. Application categories for PhD admission

a. Full-time or Regular PhD program

- Teaching Assistantship (TA): Students get fellowship from the institute as per the guidelines by the Ministry of Education.
- TA through Project (TAP): Students get fellowship from the research project and partial support from the institute.

- Govt./ Semi Govt. Fellowship Awards such as QIP, CSIR-JRF, UGC-JRF, DAE, DST-INSPIRE, DBT, NBHM, etc.

b. Part-Time PhD program

A student in this category is a professionally employed person (including IIT Goa staff), who pursues the PhD program while continuing the duties of the employment. The institute does not provide any assistance/fellowship to such a student.

- Permanent employees from state or central government universities, colleges, or research institutes and labs.
- External - This category refers to a student employed in an R&D organization/academic institution/industry having adequate research facilities. The research work leading to the PhD degree may be carried out largely in the parent organization of the candidate under a Local Supervisor from the organization but with the overall guidance provided by a faculty member (Institute Supervisor) of the AU in which the student is registered.
- Self-sponsored.
- Permanent staff of IIT Goa.

3. Schedule of Admission for the Autumn of the AY PhD Program in 2025-26

Sr. No.	Particulars	Date
1	Start date of application (online only)	19 June 2025
2	Last date for submitting an online application form and completing the payment	30 June 2025 (5 PM)
3	Commencement of classes for the Autumn Semester	24 July 2025

The schedule for the written exam/interview will be informed to the shortlisted candidates via email separately.

4. Areas of Specialisation

Unless otherwise specified the opening is open to all categories.

Program	Research Area
Chemical and Materials Engineering (CME) ³	Institute TA category: <ol style="list-style-type: none"> 1. Modelling deformations in 2D materials using dipolar colloids 2. Investigation of various electrode materials and redox couples for redox flow batteries
Chemistry	Institute TA/JRF category: Candidates must have a valid GATE score <ol style="list-style-type: none"> 1. Synthetic Organic Chemistry, Catalysis 2. Organometallics and Catalysis 3. Soft Matter, Biophysical Chemistry, Statistical Mechanics, Theoretical Physical Chemistry JRF category: <ol style="list-style-type: none"> 1. Time-Resolved Spectroscopy, Experimental Physical Chemistry
Economics	Institute TA category: (Open only for SC/ST/OBC- NCL/EWS) <ol style="list-style-type: none"> 1. Macroeconomics 2. Environmental Economics 3. Development Economics
Electrical Engineering	Institute TA category: <ol style="list-style-type: none"> 1. Communication and Signal Processing: Signal/Image Processing, Audio Signal Processing 2. Power Engineering: Electrical Machines and Drives, Power Electronics, High Voltage and Insulation Engineering, High Voltage and Plasma Technology 3. VLSI and Microengineering: Analog/Mixed-Signal VLSI Design, MEMS Sensors, IoT Enabled Systems
Mechanical Engineering	Institute TA category: Domain: Solid Mechanics and Design <ol style="list-style-type: none"> 1. Mechanics of Marine Composites, Mechanical properties of Architected Composites 2. Granular materials in space exploration

³ Candidates holding a B.E./B.Tech. or M.E./M.Tech. (or equivalent degree) in Chemical Engineering, Mechanical Engineering, or Nanotechnology are only eligible

	<ol style="list-style-type: none"> Impact behavior of composites (UR/OBC) Developing micro-robotic platforms for life science applications (EWS/SC/ST) <p>Domain: Fluid and Thermal Sciences</p> <ol style="list-style-type: none"> Emission Mitigation, Aerosol Science Mechanics of granular fluids Experimental combustion for sustainable energy/carbon-free fuels (metals, hydrogen, biofuels)/emission mitigation technologies/ aerospace propellants and energetic materials (UR/OBC) Aeroacoustic noise predictions from turbulent flows, Data-driven and CFD modelling of turbulent reacting flows, Multiphase combustion: CFD modelling (EWS/SC/ST) Interfacial and Surface engineering: heat and mass transfer, Water harvesting, desalination; Experimental Hydrodynamics: Underwater cavity hydrodynamics <p>Domain: Manufacturing</p> <ol style="list-style-type: none"> Precision nano finishing and machining, Metal Additive Manufacturing, Application of Machine learning in Manufacturing <p>Part-Time:</p> <p>Domain: Fluid and Thermal Sciences</p> <ol style="list-style-type: none"> Rheology, Non Newtonian Fluids, Biological Fluid Dynamics
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5. General Instructions

- Candidates are required to apply *online* only. No downloadable forms are available.
- Candidates shortlisted but not selected in 1st round of PhD admission for the Autumn semester of AY 2025-26 must submit a fresh application to participate in the 2nd round of PhD admission process for the Autumn semester of AY 2025-26.
- Candidates should be engaged in professional work related to the area of research discipline applied for in part-time PhD.
- The candidate of the PhD (Sponsored) category should submit a Sponsor's Letter from the organization in which he/she is employed. The sponsoring organization should give an undertaking in the prescribed format (Appendix A and Appendix B) stating the following:
 - The candidate will be allowed to fulfill the coursework requirement and qualifier examination.

- ii. Leave would be granted to fulfill the coursework and he/she will be allowed to attend the lectures, labs, etc., as per the academic calendar of IIT Goa.
- e. Meeting the basic eligibility criteria listed in the advertisement doesn't guarantee that the candidate will be shortlisted for the test/ interview. The decision of the admission committee in this regard will be treated as final.
- f. For more information regarding the PhD program, please visit the [PhD Manual](#).

6. Application Fee Payment

The application fee is as follows:

Female candidates	: ₹ 100/-
SC/ST/PwD Category candidates	: ₹ 100/-
All other candidates	: ₹ 200/-

The fee can be paid through NEFT/RTGS/UPI. The details of the institute bank details are:

Bank Name	: Union Bank of India
Account Name	: Student Fee Account IIT Goa
Account Number	: 520101260768219
Branch	: Farmagudi
IFSC	: UBIN0913286

Candidates are required to enter a valid UTR/Transaction Number and date in the online application form. The application fee is non-refundable.

7. How to Apply

Please read the instructions and proceed to online application portal

1. For New Registration click on New User Registration.
2. Register with your valid email ID.
3. Fill out the program applying for (fill out separate applications for different programs).
4. Click on submit, and you will be redirected to the login page.
5. Login to the portal.
6. Candidates are required to fill in details as given in the form and save the form.
7. Candidates are required to upload a recent Passport Photograph (Maximum 200KB), scanned copy of Signature (Maximum 12KB), detailed CV, and Mark sheets as per eligibility (Maximum 400KB), applicable documents, Appendix A or Appendix B (if applicable). The CV should mention the projects completed (bachelor's and master's) and the awards/recognition you received.
8. The system will not allow you to submit the application without filling in payment details.

9. Fill in the payment details carefully (see the corresponding section); once filled cannot be edited.
10. After filling in all the details, please Preview and Submit your application form. After the Final Submission, the system will not allow any further editing.

For any academic query, please mail to academic_query@iitgoa.ac.in, and for any technical issue, please mail to phd_tec_issue@iitgoa.ac.in.

8. Glossary

Institute TA	Institute Teaching Assistantship.
JRF	Govt./ Semi Govt. Fellowship Awards such as CSIR-JRF, etc.
TAP	Teaching Assistantship through Project.

Appendix A

(Employer's letter: To be submitted on the letterhead of the employer)

To

The Director,
Indian Institute of Technology Goa
Goa 403401

Sub: Employer's Letter for Part-Time PhD Admission under External Candidates Category

Dear Sir,

With respect to the application of Mr./Mrs./Miss _____,
employed as _____ (Designation) in our organization, for
Part-Time PhD Admission Under External Candidates Category, we hereby undertake the
following:

Mr./Mrs./Miss _____ will be allowed to take
leave as required for completing the coursework requirement and the PhD Qualifying
Examination as mandated by IIT Goa. We will/ will not continue to pay
Mr./Mrs./Miss _____ salary as per the HR policies
during the period of leave.

Name of Authorised Signatory

Signature of Authorised Signatory

Designation of Authorised signatory

Date:

Contact Details of Authorised Signatory

Employer's Seal:

Appendix B

(Sponsor's letter: To be submitted on the letterhead of the employer)

To

The Director,
Indian Institute of Technology Goa
Goa 403401

Sub: Sponsor's Letter for Part-Time PhD Admission under Sponsored Candidates Category

Dear Sir,

With respect to the application of Mr./Mrs./Miss _____,
employed as _____(Designation) in our organization, for
Part-Time PhD Admission Under Sponsored Candidates Category, we hereby undertake the
following:

- Mr./Mrs./Miss _____ will be allowed to take leave as required for completing the coursework requirement and the PhD Qualifying Examination as mandated by IIT Goa.
- We will/ will not continue to pay Mr./Mrs./Miss _____ salary as per the HR policies during the period of leave.
- We state that appropriate facilities relevant to the research of Mr./Mrs./Miss _____ exist in our organization.
- Bio-data of proposed co-supervisor in our organization" Dr. _____ who is employed as _____ (Designation) is attached with the letter.

Name of Authorised Signatory

Signature of Authorised Signatory

Designation of Authorised signatory

Date:

Contact Details of Authorised Signatory

Employer's Seal: