

# PhD Admissions

(Under Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase-II)

**Information Brochure**



**Academic Office**  
Indian Institute of Technology Goa

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Applications are invited for admission to the Ph.D. Programme under the Visvesvaraya Ph.D. fellowship scheme for Electronics and IT, Phase II of the Institute in specific areas of electronics (Electronic System Design and Manufacturing i.e., ESDM) and IT (IT/IT Enabled Services i.e., IT/ITES).

Candidates should carefully read the eligibility criteria before applying for the program. Since all the applications will be screened/shortlisted based on the data submitted by the candidates in the "online application form", the candidates must satisfy themselves of the suitability for the programme to which they are applying. If at any stage, if it is found that candidates have furnished false or wrong data/information, their candidature/admission will be rejected/cancelled.

## 01. Eligibility criteria for Ph.D. admission

### a. Full-time Ph.D. program

- i. Applicants must have one of the following in appropriate subject areas.
  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).
- ii. Applicants must also fulfill one of the following additional requirements.
  - a. <sup>1</sup>Qualified GATE in the relevant streams. (Candidates with B.E. /B.Tech/MCA/M.Sc. degree or equivalent relevant degree must have a **valid** GATE score).
  - b. B.Tech/Dual degree from IIT with a CPI/CGPA of 8.0 or more.
  - c. 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. /MCA/M.Sc. qualifying degree candidates).

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<sup>1</sup> MTech/ME qualifying degree candidates are exempted from having a qualified GATE score for applying to the Ph.D. program at IIT Goa

## 02. Schedule of Ph.D. Admission under Visvesvaraya Ph.D. Scheme

Sr. No.	Particulars	Date
1	Start date of application (online only)	29 March 2025
2	Last date for submitting an online application form and completing the payment	28 April 2025
3	Commencement of classes for the Autumn Semester	24 July 2025

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

## 03. Areas of Specialisation

Program	Research Area
Computer Science and Engineering (CSE)	<ol style="list-style-type: none"><li>1. Advancing Secure Authentication and Digital Signatures through Quantum and Post-Quantum Cryptography</li><li>2. Advancing Healthcare: The Role of Machine Learning in Medical Diagnosis</li><li>3. AI &amp; ML-based Advanced Intelligent Traffic Management System</li><li>4. Computer Vision</li><li>5. Explainable Artificial Intelligence Applications</li></ol>
Electrical Engineering	<ol style="list-style-type: none"><li>1. 5G and Beyond Communication</li><li>2. Design, Analysis and Control of Power Converters for Electric Vehicle Charging Systems</li><li>3. Fabrication Of Triboelectric Nanogenerator Enabled Internet of Things Device for Vibration Sensing</li><li>4. Image Processing</li><li>5. Material Technology</li></ol>

## 04. General Instructions

- a. Candidates are required to apply ONLINE. No downloadable forms are available.
- b. For more information regarding the Ph.D. program, please consult the Ph.D. Manual available at the institute's website.

## 05. 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 transaction date in the online application form. The application fee is non-refundable.

## 06. How to Apply

Please read the instructions and proceed to the online application portal

1. For New Registration Click on New User Registration.
2. Register with your valid email ID.
3. Fill the branch applying for (Fill 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 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). 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 payment details.
9. Fill the payment details carefully (see the corresponding section); once filled cannot be edited.
10. After filling 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](mailto:academic_query@iitgoa.ac.in), and for any technical issue, please mail to [phd\\_tec\\_issue@iitgoa.ac.in](mailto:phd_tec_issue@iitgoa.ac.in).

Please note 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.