Admission to Ph.D. Programme
(PART TIME)

Autumn Semester of Academic Year 2022-23

Indian Institute of Technology Goa
at Goa Engineering College Campus
Farmagudi, Ponda Goa 403401

Applications are invited online for the admission to the Ph.D. (Part-Time) Program for the Academic Year 2022-23 starting from August 2021 under different categories as listed below. PhD (Part -Time) is being offered in the School of Mechanical Sciences.

Candidates from reserved categories, residents of J&K and women are encouraged to apply.

1. Part-Time External Candidates

Candidates employed in the recognized R&D organizations (DSIR recognition or CSIR, DRDO, ICAR, DAE, DoS, DIT, DST, DBT, ICMR, ICAR, NGRI, GSI, Wadia Institute labs) or companies in the private sector including financial institutions like banks or Public Sector Undertakings (PSUs) or UGC Recognized Universities/Colleges or Deemed Universities can apply under this category.

1.1. General Eligibility Criteria for Engineering Streams[1]

1.1.1. For General/OBC(NCL)/EWS Categories

1. Master's Degree in Engineering/Technology or equivalent degree with a minimum of 60% marks in aggregate or a minimum CGPA/CPI of 6.0 on a scale of 10 or an equivalent to 6.0 on other corresponding proportional requirements when the scales are other than 10.
<div align="center">AND</div>
A minimum of two (02) years of work experience at the time of application. The candidates from the recognized R&D organizations/institutes can avail a one -year relaxation on minimum required work experience.

2. Bachelor's degree in Engineering/Technology or equivalent degree with a minimum of 60% marks in aggregate or a minimum CGPA/CPI of 6.0 on a scale of 10 or an equivalent to 6.0 on other corresponding proportional requirements when the scales are other than 10.
<div align="center">AND</div>
A minimum of four (04) years of work experience at the time of application.

3. M. Tech. in Engineering/Technology or equivalent degree with a minimum of 60% marks in aggregate from an IIT/IISER/IIIT/IISc/NIT or a minimum CGPA/CPI of 6.0 on a scale of 10 or an equivalent to 6.0 on other corresponding proportional requirements when the scales are other than 10 from an IIT/IISER/IIIT/IISc/NIT
<div align="center">OR</div>
B. Tech. in Engineering/Technology or equivalent degree with a minimum of 80% marks in aggregate from an IIT/IISER/IIIT/IISc/NIT or a minimum CGPA/CPI of 8.0 on a scale of 10 or an equivalent to 8.0 on other corresponding proportional requirements when the scales are other than 10 from an IIT/IISER/IIIT/IISc/NIT
<div align="center">AND</div>
A minimum of one (01) year of work experience at the time of application.

1.1.2. For SC/ST/PwD

1. Master's Degree in Engineering/Technology or equivalent degree with a minimum of 55% marks in aggregate or a minimum CGPA/CPI of 5.5 on a scale of 10 or an equivalent to 5.5 on other corresponding proportional requirements when the scales are other than 10.

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[1] Mechanical Engineering

<div align="center">AND</div>

A minimum of two (02) years of work experience at the time of application. The candidates with a Maste r's degree from IIT/IISER/IIIT/IISc/NITs and the employees from the recognized R&D organizations/institutes can avail a one -year relaxation on minimum required work experience.

2. Bachelor's degree in Engineering/Technology or equivalent degree with a minimum of 55% marks in aggregate or a minimum CGPA/CPI of 5.5 on a scale of 10 or an equivalent to 5.5 on other corresponding proportional requirements when the scales are other than 10.

<div align="center">AND</div>

A minimum of four (04) years of work experience at the time of application.

3. M. Tech. in Engineering/Technology or equivalent degree with a minimum of 55% marks in aggregate from an IIT/IISER/IIIT/IISc/NIT or a minimum CGPA/CPI of 5.5 on a scale of 10 or an equivalent to 5.5 on other corresponding proportional requirements when the scales are other than 10 from an IIT/IISER/IIIT/IISc/NIT

<div align="center">OR</div>

B. Tech. in Engineering/Technology or equivalent degree with a minimum of 75% marks in aggregate from an IIT/IISER/IIIT/IISc/NIT or a minimum CGPA/CPI of 7.5 on a scale of 10 or an equivalent to 7.5 on other corresponding proportional requirements when the scales are other than 10 from an IIT/IISER/IIIT/IISc/NIT

<div align="center">AND</div>

A minimum of one (01) year of work experience at the time of application.

1. Part-Time Sponsored Candidates

Candidates should be employed in AND sponsored by recognized R&D organizations (DSIR recognition or CSIR, DRDO, ICAR, DAE, DoS, DIT, DST, DBT, ICMR, ICAR, NGRI, GSI, Wadia Institute labs) or companies in the private sector including financial institutions like banks or Public Sector Undertakings (PSUs) or UGC Recognized Universities/Colleges or Deemed Universities can apply under this category.

1.1. General Eligibility Criteria for Engineering Streams[1] (Please refer to Sec.1.1)

2. Areas of Specializations:

2.1. School of Mechanical Sciences

2.1.1. Reliability and Industrial Engineering, Design and Analysis of Experiments

2.1.2. Indoor air quality and emission from combustion

3. Schedule of Ph.D. Admissions

The schedule for the written exam / Interview will be informed to the shortlisted candidates via e-Mail.

4. General Instructions

1. Candidates are required to apply online. No downloadable forms are available.
2. Candidates should be engaged in professional work related to the area of research discipline applied for in part-time PhD
3. Fulfillment of GATE requirement may be waived for such candidates depending on prior academic performance and employment experience. However, they may be asked to take a written test.
4. Candidates will be asked to appear for an interview before a selection committee.
5. The candidate of Ph.D. (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 given format (Appendix A and Appendix B)
   a. that the candidate will be paid full salary during the PhD program and he/she would be allowed to fulfill the coursework requirement and qualifier examination
   b. that leave would be granted to fulfill the coursework and he/she will be allowed to attend the lectures, labs etc. as per the academic schedule of IIT Goa.
6. A co-supervisor (must hold a Ph.D. degree) at the employer's organization needs to be identified. Meetings between co-supervisor and supervisor at IIT Goa should be held at least once in a year.
7. Appropriate facilities should exist to carry out the planned research work at the employer's organization.

5. Instructions for Application Fee Payment

5.1. The application fee is as follows:

Female candidates	: ₹ 50/-
SC/ST/PwD/EWS Category candidates	: ₹ 50/-
All other candidates	: ₹ 100/-

The fee can be paid by NEFT/RTGS online payment system. Details of the institute bank details are:

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

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

5.2. How to Apply

Please read the instructions and proceed for online application portal

5.2.1. For New Registration Click on New User Registration.

5.2.2. Fill with your valid email ID.

5.2.3. Fill the branch applying for (Fill separate applications for different Programme).

5.2.4. Please click on submit, you will be redirected to login page.

5.2.5. Please login to the portal.

5.2.6. Candidates are required to fill details as given in the form and save the form.

5.2.7. Candidates are required to upload the 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 (bachelors and masters) and awards/recognition you received.

5.2.8. The system will not allow you to Submit the application without filling payment details.

5.2.9. Please fill the payment details carefully (see the corresponding section); once filled cannot be edited.

5.2.10. After filling all the details, please Preview and Submit your application form. After Final Submission, the system will not allow any further editing.

IIT Goa will provide off-campus hostel accommodation to all Ph.D. students.

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.

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

The Director,
Indian Institute of Technology (IIT) Goa,
Goa 403401

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

Dear Sir,

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

Shri/Smt./Mr./Mrs./Miss _____ will be allowed to take leave as required for
completing the coursework requirements and the PhD Qualifying Examination as mandated by IIT Goa.
We will continue to pay Shri/Smt./Mr./Mrs./Miss _____ salary as per our HR Policies during the period of
leave.

Name of Authorized Signatory   Signature of Authorized Signatory

Designation of Authorized Signatory   Date:

Contact Details of Authorized Signatory   Employer's Seal:

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

The Director,
Indian Institute of Technology (IIT) Goa,
Goa 403401

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

Dear Sir,

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

1. Shri/Smt./Mr./Mrs./Miss _____ will be allowed to take leave as required for completing the coursework requirements and the PhD Qualifying Examination as mandated by IIT Goa. We will continue to pay Shri/Smt./Mr./Mrs./Miss_____ salary as per our HR Policies during the period of leave.

2. We shall bear the total expenses for the PhD candidature of Shri/Smt./Mr./Mrs./Miss_____and pay them regularly to IIT Goa as per the payment schedule of IIT Goa.

3. We state that appropriate facilities relevant to the research of Shri/Smt./Mr./Mrs./Miss_____exist in our organization.

4. Bio-data of proposed co-supervisor in our organization: Dr._____who is employed as_____(Designation) is attached with this letter.

Name of Authorized Signatory   Signature of Authorized Signatory

Designation of Authorized Signatory   Date:

Contact Details of Authorized Signatory   Employer's Seal: