

# Eligibility Criteria, Shortlisting and Selection Procedure for Admission into PhD Programme

(Revised, Effective from Spring Semester Admission, 2023-24)

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## 1. Minimum Eligibility Criteria for Application

An interested candidate meeting the below listed category wise minimum eligibility criteria may apply for the PhD programme. The minimum eligibility criteria do not guarantee either shortlisting or selection, for the admission. Applications not meeting minimum eligibility criteria will be rejected without any intimation and the application fee will not be refunded.

The minimum eligibility criteria refer to the minimum academic qualification to be met by the applicant at the time of applying for the admission. Relaxation up to 5% marks in all academic examinations is permitted only for SC/ST/PwD candidate categories, over General/OBC(NCL) categories, as per Govt. of India (GoI) guidelines. This is applicable to applicants under both Institute and Sponsored PhD Scholar categories.

Candidates possessing the minimum eligibility criteria are eligible to receive **Institute Research Assistantship** or **UGC/CSIR-NET Junior Research Fellowship (JRF)** or **any other doctoral fellowship offered by Govt. of India (GoI)**, as applicable, on joining the PhD programme.

### 1.1 Category 1 - Institute PhD Scholar

Institute PhD Scholar refers to the PhD student who receives **Institute Research Assistantship** sanctioned the Ministry of Education (MoE) and offered through the institute. Eligibility criteria for different schools are as follows.

#### 1.1.1 All Engineering Schools

(i) M. Tech./ME or equivalent degree in appropriate disciplines, with minimum 60% marks or 6.5 CGPA (in a 10-point scale). The candidate must be GATE qualified in an appropriate discipline.

**OR**

B Tech/BE or equivalent degree in appropriate disciplines with minimum 70% marks or 7.5 CGPA (in a 10-point scale). The candidate must be GATE qualified in an appropriate discipline.

(ii) Minimum 60% marks or 6.5 CGPA (in a 10-point scale) required in all other examinations from Class 10 onwards. A single relaxation up to 5% marks in secondary/higher secondary/equivalent is permitted.

#### 1.1.2 School of Humanities, Social Sciences and Management

(i) Minimum of 55% marks or 6.0 CGPA (in a 10-point scale) in Master's degree in appropriate Humanities and Social Sciences disciplines.

(ii) Minimum 55% marks or 6.0 CGPA (in a 10-point scale) required in all other examinations from Class 10 onwards. A single relaxation up to 5% marks in secondary/higher secondary/bachelor's degree/equivalent is permitted.

(iii) The candidate must be GATE or CSIR-UGC NET (LS) qualified in an appropriate discipline.

#### 1.1.3 School of Basic Sciences

(i) Minimum 60% marks or 6.5 CGPA (in a 10-point scale) in Master's or equivalent degree in appropriate disciplines.

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(ii) Minimum 60% marks or 6.5 CGPA (in a 10-point scale) required in all other examinations from Class 10 onwards. A single relaxation up to 5% marks in secondary/higher-secondary/bachelor's degree/equivalent is permitted.

(iii) The candidate must be GATE or CSIR-UGC NET (LS) qualified in an appropriate discipline.

### **1.1.4 School of Earth, Ocean and Climate Sciences**

(i) Minimum 60% marks or 6.5 CGPA (in a 10-point scale) in Master's or equivalent degree in appropriate disciplines.

**OR**

B Tech/BE or equivalent degree in appropriate disciplines with minimum 70% marks or 7.5 CGPA (in a 10-point scale).

(ii) Minimum 60% marks or 6.5 CGPA (in a 10-point scale) required in all other examinations from Class 10 onwards. A single relaxation up to 5% marks in secondary/higher-secondary/bachelor's degree/equivalent is permitted.

(iii) The candidate must be GATE or CSIR-UGC NET (LS) qualified in an appropriate discipline.

### **1.2. Category 2 - Sponsored PhD Scholar**

There are three types of sponsored PhD scholars in the institute (Self-sponsored category are not to be considered). Eligibility criteria for each of these categories are as follows.

#### **1.2.1 Sponsored by External Organization**

PhD scholars joining under this category do not receive any financial support from the institute. They must be in continuous service for at least three (3) years in any one of the following categories of organizations where appropriate R&D facilities exist:

- a. Departments and Ministries of the GoI or any other government organizations
- b. Established industrial research and developmental organizations
- c. Recognized autonomous bodies and public undertakings
- d. Recognized universities/colleges.
- e. Established industries

Candidates under this category need not be GATE or CSIR-UGC NET (LS) qualified. All other academic qualifications under Section 1.1 apply to these candidates. Candidates must submit Sponsorship Certificates as per the prescribed format at the time of application; otherwise their applications will not be considered.

#### **1.2.2 Sponsored GoI Doctoral Fellowship (CSIR—UGC, DST-INSPIRE, DBT, ICMR etc.)**

Candidates having CSIR-UGC NET (JRF) or any other doctoral fellowship offered by GoI are eligible to apply under this category. PhD scholars joining under this category receive financial support from respective GoI doctoral fellowships. They must meet the same minimum academic qualification applicable for **Institute PhD Scholar** as under **Section 1.1**. These candidates need not be GATE qualified.

#### **1.2.3 Sponsored Research Project under IIT Bhubaneswar**

Persons who possess the minimum prescribed qualifications as mentioned in **Section 1.1** and are already working in a sponsored project of the Institute as JRF/SRF/equivalent availing minimum fellowship as that of Institute PhD scholar shall be eligible for applying to the Ph.D. program under this category. These candidates must be GATE/CSIR-UGC NET (LS) qualified.

For this category of candidates, the followings also apply:

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- A. They receive assistantship from the fund available in the project under the personnel/manpower budget head (to be referred as Project Fund now onwards) and the fellowship amount is at least equal to that of Institute PhD scholar.
- B. The remaining period of the project fund (in a single project) as well as the remaining tenure of the same project should be at least 2 years from the date of enrollment in the PhD program in the Autumn/Spring Semester as per the academic calendar (if selected).

### 1.3 Category 3 - Joint MSc-PhD Students of IIT Bhubaneswar (only for Autumn Semesters admission) (Refer to MSc regulation – Modalities for Enrolment in PhD Programme for more detail)

This programme is applicable for bright and motivated students pursuing MSc programmes at IIT Bhubaneswar. Applicants must have completed third semester. Students securing CGPA  $\geq 8.5$  after their third semester are automatically shortlisted for appearing the selection test for joining the PhD programme in the following Autumn semester. They are required to submit a declaration towards joining the PhD program within two weeks of declaration of the third semester result. Students who have not submitted the said declaration in time will not be considered for selection test.

Their selection test will be conducted along with the Autumn semester PhD admission of the institute. There will be a discipline wise cap of 10% of the sanctioned strength (rounded upward) on the number of students who can avail this option. They will be enrolled for the PhD programme in the Autumn semester, if selected after the selection tests.

## 2. Fixing of Cutoff Scores

The fixing of cut-off scores for candidates in different categories shall be as per the norm defined in Table 1 below.

**Table 1: Assignment and calculation of cut-off marks for various categories**

Category	Cut-off Score
Unreserved/General	X
EWS	X
OBC (NCL)	0.9 X
SC/ST/PwD	0.67 X
X = Cut-off score for unreserved category (to be decided by the school)	

In the following, the **cut-off marks/score** (in GATE/CSIR-UGC NET (LS), written test and interview) wherever necessary, have been specified for the general/unreserved category only. The assignment and calculation of cut-off marks for reserved categories of candidates as given in Table 1 above will be used in all cases described hereinafter, wherever applicable.

## 3. Shortlisting Criteria

Shortlisting for candidates under category 1.1 (i.e, Category-1) as mentioned in Minimum Eligibility Criteria for written test will be based on GATE/CSIR-UGC NET (LS) score only. Fixing of cut-off GATE/CSIR-UGC NET (LS) scores for a specialization is the decision of the school.

In “Sponsored category” (i.e, Category-2) for Ph.D. selection, the shortlisting and selection should be done at School level.

Candidates under categories 1.2.2, 1.2.3, and 1.3 shall be automatically shortlisted for the written test.

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In addition, the following categories of candidates will be **automatically shortlisted (they need not be GATE/CSIR-UGC NET (LS) qualified)** to appear for the written test:

- i. B.Tech. and Dual Degree /Equivalent students of IIT Bhubaneswar and other IITs having **CGPA  $\geq$  8.0**
- ii. IISc M.Tech/M.Sc. degree holders with **CGPA $\geq$ 8.5**

**N.B.: Mere fulfillment of minimum eligibility criteria does not entitle a candidate to be shortlisted.**

## 4. Selection Procedure

All shortlisted candidates (except the candidates under section 1.2.1) will have to appear for both the written test and the interview. The Ph.D. selection to be based on **40%** weightage in a written test and **60%** weightage in an interview. The schools can fix cut-offs for written test and/or interview based upon the requirements. The final selection will be based on combined performances in the written test and interview. For the candidates under **Category-2 (Sl. No.1)**, the selection will be based on interview performance only. There will be no written test for Category-2(Sl. No.1) candidates

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