

# PhD Advertisement for Spring Semester 2024

Department of Mathematics and Statistics, IISER Kolkata

Applications are invited from motivated candidates to pursue research in the broad fields of **Mathematics** and **Statistics**. The minimum eligibility criteria and other details for these two groups are as follows:

Mathematics			
Research Supervisor	Research Areas	Minimum Eligibility Criterion	Required Background / Prerequisites
Swarnendu Datta <a href="#">Homepage</a>	Representation Theory	<ol style="list-style-type: none"><li>1. A Master's degree (or equivalent) in <b>Mathematics</b> with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale.</li><li>2. CSIR, UGC, NBHM or equivalent Fellowships</li></ol>	Linear Algebra, Finite Groups
Md. Ali Zinna <a href="#">Homepage</a>	Commutative Algebra, Classical K-Theory	<ol style="list-style-type: none"><li>1. A Master's degree (or equivalent) in <b>Mathematics</b> with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale.</li><li>2. CSIR, UGC, NBHM or equivalent Fellowships</li></ol>	Basic Algebra, Basic Topology, Linear Algebra

## Mathematics

Research Supervisor	Research Areas	Minimum Eligibility Criterion	Required Background / Prerequisites
Subrata Shyam Roy <a href="#">Homepage</a>	Operator Theory	1. A Master's degree (or equivalent) in <b>Mathematics</b> with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale.  2. CSIR, UGC, NBHM or equivalent Fellowships  <p style="text-align: center;"><b>Or</b></p> Institute Fellowship might be available for deserving candidates who do not have fellowship provided that they have qualified any national level entrance exam such as GATE, NET-LS etc. (apart from satisfying minimal eligibility criteria) or are from other IISERs having a BS-MS degree with a CGPA score more than or equal to 8 on a 10 point scale.	Functional Analysis, Measure Theory, Several Variable Calculus and Complex Analysis

## Statistics

Research Supervisor	Research Areas	Minimum Eligibility Criterion	Required Background/ Prerequisites
<p>Anirvan Chakraborty <a href="#">Homepage</a></p>	<p>Nonparametric Statistics &amp; Analysis of Functional Data</p>	<p>1. A Master's degree (or equivalent) in <b>Statistics</b> with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale.</p> <p>2. CSIR, UGC, NBHM or equivalent Fellowships</p> <p style="text-align: center;"><b>Or</b></p> <p>Institute Fellowship might be available for deserving candidates who do not have fellowship provided that they have qualified any national level entrance exam such as GATE, NET-LS etc. (apart from satisfying minimal eligibility criteria) or are from other IISERs having a BS-MS degree with a CGPA score more than or equal to 8 on a 10 point scale.</p>	<p>Statistics, Linear Algebra, Measure Theory, Stochastic Process</p>

<p>Satyaki Mazumder <a href="#">Homepage</a></p>	<p>Bayesian Statistics</p>	<p>1. A Master's degree (or equivalent) in <b>Statistics</b> with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale.</p> <p>2. CSIR, UGC, NBHM or equivalent Fellowships</p> <p style="text-align: center;"><b>Or</b></p> <p>Institute Fellowship might be available for deserving candidates who do not have fellowship provided that they have qualified any national level entrance exam such as GATE, NET-LS etc. (apart from satisfying minimal eligibility criteria) or are from other IISERs having a BS-MS degree with a CGPA score more than or equal to 8 on a 10 point scale.</p>	<p>Statistics, Linear Algebra, Real Analysis.</p>
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Please take a note of the following points:

- ❖ Before filling the application forms, please read the [general instructions](#) and [FAQ](#). For additional query email us at: **dms.phd.application AT iiserkol.ac.in**
- ❖ Fulfilling the minimum eligibility criteria does not ensure that a candidate will be called for the interview.
- ❖ A candidate must fill up the form carefully as additional short-listing criteria will be set based on academic records, experience and statement of purpose of the candidates as provided in the application form.
- ❖ The candidates will be allowed to appear at the interview only after proper verification of documents.

- ❖ **An online/telephonic conversation or written test may precede the interview** for further short-listing and candidates will be informed about the Date, time and further details accordingly.
- ❖ Reservations for SC/ST/OBC candidates are applicable as per Government of India rules.

### **Important Dates**

PhD application portal opens: **22.09.2023**

Application portal closes: **19.10.2023**

Publication of shortlist for the interview: **30.10.2023**

Selection interview window: **13-17 November 2023**

Publication of PhD interview results: **11.12.2023**

Pre-registration portal opens: **18.12.2023**

Pre-registration deadline: **27.12.2023**

PhD manual registration: **29.12.2023**