PhD Advertisement for Autumn 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 Su- pervisor	Research Areas	Minimum Eligibility Criterion	Required Back- ground/Prerequisites	
Somnath Basu <u>Homepage</u>	Algebraic and Differ- ential Topology	 1.A Master's degree in Mathematics with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale. 2.CSIR, UGC, NBHM or equivalent Fellowships 	Basic Topology, Basic Algebra and Several Variable Calculus	
Sushil Gorai <u>Homepage</u>	Several Complex Variables	 1.A Master's degree in Mathematics with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale. 2.CSIR, UGC, NBHM or equivalent Fellowships 	Complex Analysis, Sev- eral Variable Calculus and Linear Algebra	

Swarnendu Datta <u>Homepage</u> Representa- tion Theory	 A Master's degree in Mathematics with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale. CSIR, UGC, NBHM or equivalent Fellowships 	Linear Algebra, Finite Groups
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Statistics/Computational Neuroscience

Research Su- pervisor	Research Ar- eas	Minimum Eligibility Criterion	Required Background/ Prerequi- sites
Koel Das Homepage	Computational Neuroscience	 1.A Master's degree, with minimum 55% marks or CGPA/CPI of 6.5 on a 10-point scale, in any field of Applied Mathematics, Applied Statistics, Biotechnology, Psychology, Computer Science, Physics, Electrical Engineering, Mathematics and Statistics. 1.CSIR, UGC, NBHM or equivalent Fellowships Or 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.	Linear Alge- bra, Basic Statistics, Ba- sic Computer programming
Anirvan Chakraborty <u>Homepage</u>	Nonparametric Statistics & Analysis of	1.A Master's degree in Statistics with a minimum of 55% marks or CGPA/ CPI of 6.5 on a 10-point scale.	Statistics, Linear Alge- bra, Real

	Functional Data	2.CSIR, UGC, NBHM or equivalent Fellowships Or Institute Fellowship might be avail- able for deserving candi- dates who do not have fellowship pro- vided that they have qualified any na- tional level entrance exam such as GATE, NET-LS etc. (apart from satisfy- ing minimal eligibility criteria) or are from other IISERs having a BS-MS de- gree with a CGPA score more than or equal to 8 on a 10 point scale.	analysis, Mea- sure Theory, Stochastic Process
Satyaki Mazumder <u>Homepage</u>	Bayesian Sta- tistics	 A Master's degree in Statistics with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale. CSIR, UGC, NBHM or equivalent Fellowships	Statistics, Linear Alge- bra, Real Analysis.

		ing minimal eligibility criteria) or are from other IISERs having a BS-MS de- gree with a CGPA score more than or equal to 8 on a 10 point scale.	
Asok K. Nanda <u>Homepage</u>	Reliability The- ory	 1.A Master's degree in Statistics or Mathematics with a minimum of 55% marks or CGPA/CPI of 6.5 on a 10-point scale. 2.CSIR, UGC, NBHM or equivalent Fellowships 	Real Analysis, Linear Alge- bra, Measure Theory and Stochastic Processes.

Please take a note of the following points:

- Before filling the application forms, please read the <u>general instructions</u> and <u>FAQ</u>. 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: March 01, 2024 Tentative Application portal closes: April 30, 2024 Tentative Publication of shortlist for the interview: May 8, 2024 Tentative Selection interview window: May 24 - May 31, 2024 Tentative Publication of PhD interview results: June 10, 2024 Pre-registration portal opens: June 10, 2024 Pre-registration deadline: June 15, 2024 PhD manual registration: July 28, 2024