DEPARTMENT OF DATA SCIENCE & ENGINEERING

PhD Program in Data Science @ IISER Bhopal

Indian Institute of Science Education and Research (IISER) Bhopal, Department of Data Science and Engineering (DSE) invites applications from highly motivated students for admission to its PhD program in Data Science for the academic year 2022-23 (Semester II). The objective of this program is to nurture the data scientists to develop interests and skills to build innovative methods and applications to solve both scientific, social and real world problems. The vision is to deal with fundamental concepts and techniques from the areas of *mathematics* (statistics, optimization techniques etc.) and *computer science* (programming technologies, machine learning, database, etc.) for large-scale data analysis in a range of applied domains e.g., biomedical data science, geo-spatial data engineering, image and video analysis, intelligent healthcare, surveillance, text analytics etc. In brief, this PhD program in DSE will prepare students to become leaders in data science research and help them to build outstanding careers in academia or industry.

Eligibility

- M.Sc./MCA/B.Tech./B.E./B.S. with a minimum of 60% marks or CGPA of 7.0 on a 10 point scale.
- Students must have qualified GATE or CSIR/UGC NET or any other national fellowship.
- M.Tech./M.E./M.S. *(4+2 years)* degree are exempted for Gate/NET/Other national Level examination.
- Age Limit: Preferably not more than 28 years. Relaxation in age to reserved category as per government norms.

Important Dates

Online Applications starts: **March 05, 2023**
Last date for receiving online application: **April 05, 2023**

Selection Process

Shortlisted candidates will be called for Written Test and/or Interview. Date of test/interview will be communicated to shortlisted candidates by e-mail and the same will be available on the Institute website.

Research Areas

- Audio and Speech Processing
- Biomedical Data Science
- Biometrics
- Computer Vision and Image Processing
- Computational Modelling of Data Driven Real World Problems
- Development of Intelligent Systems
- Foundations of Machine Learning
- Geospatial Artificial Intelligence for Urban Planning
- Medical Image Processing
- Model Compression and Efficient Deep Learning
- Multisensor Big-Data Analytics
- Natural Language Processing
- Transfer Learning
- Web and Social Computing
- Trustworthiness and Fair Artificial Intelligence
- Privacy and Ethics in Artificial Intelligence
- Generative Neural Networks

Useful Links

- About IISER Bhopal: https://iiserb.ac.in/
- About DSE: https://dse.iiserb.ac.in/people.php
- Application: https://www.iiserb.ac.in/doaa/admission

CONTACT

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