

5-Day Online School on Data Science and Computing (SDSC)

01-05 July, 2026

Department of Applied Sciences & Department of Information Technology
Indian Institute of Information Technology Allahabad, Prayagraj



About the Institute

Chief Patron

Prof. Mukul Sharad Sutaone, Director, IIIT Allahabad

Coordinator

Dr. Seema Kushwaha, IIIT Allahabad

Prof. Sonali Agarwal, IIIT Allahabad

Organizing Committee

Dr. Srijit Bhattacharjee, (HoD AS) IIIT Allahabad

Prof. Manish Kumar, (HoD IT) IIIT Allahabad

Prof. Akhilesh Tiwari, IIIT Allahabad

Prof. Pramod Kumar, IIIT Allahabad

Dr. Abdullah Bin Abu Baker, IIIT Allahabad

Dr. Sumit Kumar Upadhyay, IIIT Allahabad

Dr. Anand Kumar Tiwari, IIIT Allahabad

Dr. Savitri Joshi, IIIT Allahabad

Dr. Upendra Kumar, IIIT Allahabad

IIIT-A was established in 1999, as a center of excellence in Information Technology and allied areas. It was declared as an institute of national importance by the act of parliament in 2014. IIIT-A fulfills its core vision by actively creating, transforming, cultivating strong foundational and engineering science competencies and advancing knowledge in IT and allied areas to build a highly trained global workforce for industry and research.

About the School

The 5-Day School on Data Science and Computing is designed to provide participants with strong theoretical foundations and practical exposure in data science, machine learning, computing techniques, and modern mathematical methods. The program includes lectures, hands-on sessions, coding demonstrations, and interdisciplinary applications covering mathematics, statistics, quantum mechanics & computing, statistical mechanics, algorithms, and machine learning.

Key Learning Outcomes

Participants will be able to:

- Develop mathematical and statistical foundations for data science.
- Gain exposure to quantum information and computing, learn computational techniques for material science.
- Understand AI and modern machine learning techniques and computational tools.
- Learn classical & quantum algorithms, data structures, and optimization techniques.
- Explore interdisciplinary applications in science and technology.

Brief Module Details

- **Module 1:** Mathematical & Statistical Foundation for Data Science
- **Module 2:** Mathematical Methods for Scientists & Engineers
- **Module 3:** Quantum Information & Computing, Material Informatics
- **Module 4:** Artificial Intelligence & Machine Learning
- **Module 5:** Applications of Data Science and Computing
-

Workshop Highlights

- Expert lectures by academicians and researchers.
- Interactive discussions & hands-on sessions
- Exposure to real-world applications of ML and Data Science.
- E-Certificate for all registered participants.

Who should apply?

- Undergraduate and Postgraduate students in Mathematics, Statistics, Physics, Computer Science, Information Technology, Data Science, Mathematics.
- Research Scholars working in Physics, Computer Science, Mathematics & Statistics. **Or, anyone interested from Industry and academia to widen their domain knowledge.**

Contact

Dr. Seema Kushwha, Department of Applied Sciences, Indian Institute of Information Technology Allahabad,

Prayagraj, Uttar Pradesh-211015

Email: seemak@iiita.ac.in

Mobile No. 91-9140886565

For all the workshop-related details, please visit sdsc.iiita.ac.in

Last Date of Registration: June 30, 2026.

Mode: Online

Registration Fee

- **Undergraduate and Postgraduate Students:** Rs.1500/- + 18% GST
- **Research Scholars/Faculty/Industry people:** Rs. 4000 + 18% GST

Registration Process: Please register here : <https://apply.iiita.ac.in/event/register/SDSC2026/>