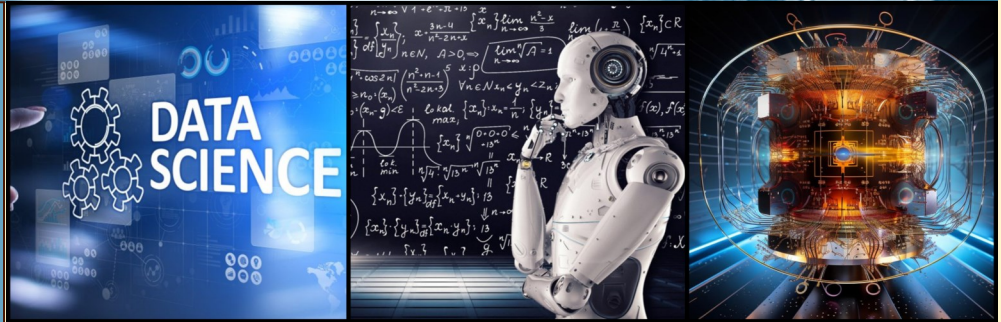# IIT Kanpur Certificate Program on Python & QISKIT
for Data Science, Data Analytics, Machine Learning and Quantum Computing

1st March to 28th March 2025

Organized by Prof. Aditya K. Jagannatham, EE Department, IIT Kanpur

Python & QISKIT for Data Science, Data Analytics, Machine Learning & Quantum Computing

School Dates

1st to 28th March, 2025

Last Dates

Golden registration: 30th December 2024

Flash registration: 13th January 2025

Early bird registration: 27th January 2025

Regular registration: 17th February 2025

Premium registration: 3rd March 2025

To be conducted online via Zoom

Contact
Prof. Aditya K. Jagannatham
Professor
Arun Kumar Chair

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Welcome to the **IITK Certificate Program on Python & QISKIT for Data Science (DS), Data Analytics (DA), Machine Learning (ML) and Quantum Computing (QC).** Data Science provides some of the most promising career opportunities for students/ professionals and Data Analytics skills are highly sought-after by industry. Together with Machine learning to learn from data and and Quantum computing that harnesses the principles of Quantum Mechanics, these fields are set to revolutionize Business, Information Processing and Machine Intelligence. This cutting-edge school will introduce participants to the rigorous theory, algorithms and scientific methods to derive actionable insights from large datasets via cutting-edge algorithms for Data Analytics, Machine Learning and Quantum Computing. The school also includes extensive assisted **PYTHON/ QISKIT** programming projects where participants will gain hands-on experience in data analysis, exploration and visualization using practical datasets and the latest PYTHON packages such as **NUMPY, LINALG, MATPLOTLIB, PANDAS, SEABORN, SCIKIT-LEARN and QISKIT**. The school also includes problem solving sessions to prepare for tests/ job interviews in DS, DA, ML and QC.

Benefits of this program:
- Learn the latest programming techniques in PYTHON/ QISKIT to gain an unbeatable edge in placements
- Use PYTHON/ QISKIT, and various packages to establish virtual labs or for project guidance
- Take your skills to the next level by learning PYTHON/ QISKIT, and various packages and practical data sets
- Learn PYTHON/ QISKIT programming to master the latest DS, DA, ML and QC Technologies

Target Audience
- B.Tech/ BE/ B.Sc/ BBA/ BCA students
- M.Tech/ ME/ M.Sc/ MBA/ MCA students
- Ph.D. scholars pursuing research
- Faculty of Engineering/ Science/ Management
- Professionals from Industry and R&D Organizations

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For more details and registration information, visit the website
http://www.iitk.ac.in/mwn/DSDAQ