

Joint Online Faculty Development Programme

Data Science for All

22 Mar - 1 Apr, 2022

Organized by

IIT Kanpur, IIT Roorkee MNIT Jaipur, NIT Patna, NIT Warangal & PDPM IIITDM Jabalpur



Course Contents

- Mathematical Foundations of Data Sciences: Matrices, Vectors, Vector Spaces, Matrix Decomposition, Singular Value Decomposition, Statistical Measures, Probability basics, density function, variance, conditional probability, Markov Chains
- Data Processing: Dimensionality Reduction, Principal Component Analysis
- Scikit, Keras and TensorFlow: Practice on ML topics

- Machine Learning basics: Regression, Classification - Decision Trees, Naïve Bayesian Classifier, Clustering, Handling Large Datasets: Map Reduce
- R for Data Science: Data Wrangling, Data
- Visualization, Programming
- Python for Data Science: Normal Python
- NumPy, Pandas, Matplotlib
- Deep Learning

Speakers

- Dr Atul Gupta IIITDMJ,
- Prof Amey Karkare IITK,
- Prof DVLN Somayajulu-IIITDMK,
- Prof RBV Subramnayam NIT-W,
- Dr T Ramakrishnudu NIT-W,
- Dr Nagesh Bhattu - NIT AP
- Dr Anand Kumar- NIT K Surathkal &
- Industry speakers.

Joint Principal Coordinator

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Programme Features

- Instructor led online sessions and rigorous hands-on sessions.
- Opportunities to connect with experts from academia, industry and government
- Certificate of completion on successful completion of the course with full access to the course material.

Registration Details

Registration link –

<https://forms.gle/2BnuZpJaegHCC5F19>

Indian Participants –

Academic (student/faculty): 500 INR

Industry Participants and Others : 1000 INR

Foreign Participants –

SAARC/African countries

Academic (student/faculty): - Rs. 500/-

Others - Rs. 1000/-

Rest of the countries

Fee - US\$ 60 or British £ 50

Last Date for Registration : Mar 18, 2022

Online payment details

Beneficiary Name : EICT Academy

Bank Name: INDIAN BANK

A/C No. : 50302042708

IFSC Code: IDIB000M694

Branch: Mehgawan, IIITDM Branch

Contact Us

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