



Online Winter Faculty Development Programme Data Science for All

January 20 - 31, 2025 : Online live streaming

Jointly Organized by

NIT Warangal

IIITDM Jabalpur

IIT Roorkee

NIT Patna

MNIT Jaipur



Schedule and Course Contents

[January 20 - 31, 2025, 12-2 PM, 6-8 PM]

- 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.
- Machine Learning basics: Regression, Classification – Decision Trees, Naïve Bayesian Classifier, Clustering, Handling Large Datasets: MapReduce
- R for Data Science: Data Wrangling, Data Visualization, Programming
- Python for Data Science: Normal Python, NumPy, Pandas, Matplotlib
- Deep Learning
- Scikit, Keras and TensorFlow: Practice on ML topics

Coordinators

Dr. Shivansh Mishra,
Joint- Principal Coordinator, IIITDM Jabalpur
Email: shivansh@iiitdmj.ac.in,
Mobile: 91-8447809643
Prof Subramanyam RBV,
Principal Coordinator, NIT Warangal
Email: rbvs66@gmail.com

RESOURCE PERSONS

- Prof. DVLN Somayajulu (NIT Warangal)
- Prof. RBV Subramanyam (NIT Warangal)
- Prof. P Radhakrishna (NIT Warangal)
- Prof. T Ramakrishnu (NIT Warangal)
- Prof. Anand Kumar (NITK Surathkal)
- Prof. V Raveendranath (JNTU Kakinada)

Registration Details

Registration link – Please fill in the registration form using the following link:

<https://forms.gle/Z9wrobVLmg9W2n4VA>

Registration fee: INR 500/-

Last Date for Registration: January 18, 2025

Online payment details:

- Internet banking

Beneficiary Name: PDPM IIITDM Jabalpur

Bank Name: INDIAN BANK

A/C No. : 50018692852

IFSC Code: IDIB000M694

- UPI ID: iiitdmj@indianbk

PDPM IIITDM JABALPUR
SCAN & PAY



UPI ID : iiitdmj@indianbk

Contact Details

- Email: academy@iiitdmj.ac.in, eict@iiitdmj.ac.in
- Mr. Durgesh Kushwaha (+91 7898670354)



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