



Joint Online FDP on  
**Data Science for All**  
22 Mar – 01 April, 2022  
Electronics & ICT Academy NIT Patna

**Organized by:**  
NIT Patna  
IIT Kanpur  
IIT Roorkee  
NIT Warangal  
MNIT Jaipur  
IIITDM Jabalpur

## Speakers

### Tentative List:

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

## Online Registration Link

- <https://forms.gle/9Xcj8uStDo64r8Ry6>
- Last date: 23-01-2022

## Course Fee Details

Academic (student/faculty): 500 INR  
Industry People/Others : 1000 INR  
For Foreign Academics: Rs.4000

### Online payment details

Bank Name: Indian Bank  
Account Name: NIT Patna  
Account No.: 50380476798  
IFSC Code: IDIB000B810

## Coordinator (NIT Patna)

- Dr. M. P. Singh ([mps@nitp.ac.in](mailto:mps@nitp.ac.in))  
Joint Principal Co-ordinator  
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- For any query write mail to Sakshiwala  
([sakshiwala.phd19.cs@nitp.ac.in](mailto:sakshiwala.phd19.cs@nitp.ac.in))

## Key Course Content

- **Mathematical Foundations of Data Sciences:** Matrices, Vectors, Vector Spaces, Decomposition, Statistical Measures, Probability basics, pdf, variance, conditional probability, Markov Chains
- **Data Processing:** Dimensionality Reduction, Principal Component Analysis
- **Machine Learning basics:** Regression, Classification – Decision Trees, Naïve BLarge Datasets: MapReduce
- Deep Learning
- **Programming in R and Python for Data Science**
- **Scikit, Keras and TensorFlow:** Practice on ML topics

## Key Features

- Live online lectures, Online lab and training sessions by experts.
- Materials and exercises will be shared.
- Discussion forums on research problems.
- Question-Answers and discussions.

For details, visit: <http://www.nitp.ac.in/ict/wintercourses2022.php>

Last Date for registration : 21 March, 2022