Joint Online Faculty Development Programme
Data Science for All
(NIT Patna, NIT Warangal, IIIT DM Jabalapur)

Jointly Organized By
E & ICT Academy, NIT Patna

July 27 to August 7, 2020
Click here to register

Supported By:
Ministry of Electronics and Information Technology, MeitY, Govt. of India.

Academic Level Coordinators:
Dr. Prabhat Kumar, NIT Patna,
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About NIT Patna:
National Institute of Technology Patna is the 18th National Institute of Technology created by the Ministry of H.R.D. Government of India after rechristening the erstwhile Bihar College of Engineering Patna on 28/01/2004. The Institute imparts high level education training, research and development in science, engineering technology and humanities along with high quality education and values at UG, PG and Ph.D. level. At present the Institute offers courses in six major technical disciplines viz. Architecture, Civil Engineering, Computer Science & Engg., Electrical Engg., Electronics & Communication Engg. and Mechanical Engg. It also consists of well-established departments of Physics, Chemistry, Mathematics and Humanities and Social Sciences.

About E&ICT Academy NIT Patna:
Ministry of Electronics and Information Technology, Government of India has instituted seven Electronics and Information & Communications Technology (ICT) Academies of which, the academy of NIT Patna is one. The Academy at NIT Patna aims to design and organize basic as well as specialized training programmes in niche areas of electronics and ICT for the development required knowledge base, skills and tools to equip the teaching community with better knowledge and understanding.

Contact Details: E & ICT Academy, NIT Patna (office)
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http://www.nitp.ac.in/ict/Contact_us.php
Speakers:
- Prof DVLN Somayajulu  IIITDM Kurnool
- Prof RBV Subramnayam  NIT Warangal
- Dr Atul Gupta IIITDM Jabalpur
- Dr T Ramakrishnudu  NIT Warangal
- Dr Nagesh Bhattu  NIT Andhra Pradesh
- Dr Anand Kumar  NITK Surathkal

Course Contents

- **Mathematical Foundations of Data Sciences**:

- **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.

Course Fee

- **Certification Fee**:
  Faculty/ PhD Scholar = Rs.500/-(SC/ST = Rs. 250/-)
  Others (Except Faculty/PhD-Scholar): 1000/- (SC/ST = Rs. 500/-)

Online payment details:
- Bank Name: Allahabad Bank
- Account Name: NIT Patna
- Account No.: 50380476798
- IFSC Code: ALLA0212286

Link for registration:

https://forms.gle/N3WZZtJC41E9qHUo8