

# Online Certification Course

on

## Applied Data Science & Machine Learning with Python

[Batch will start on July 23, 2021]

[Timing - 5 PM onwards (Fri- Sun)]

under the aegis of

### Electronics & ICT Academy IIT Roorkee



Supported by

Ministry of Electronics & Information  
Technology  
Government of India



Experts from Academia/Industry

Prof. Partha Pratim Roy, IIT Roorkee

Prof. Debi Prosad Dogra, IIT Bhubaneswar

(Invited Speaker)

Prof. Sumit Kalra, IIT Jodhpur

Industry Expert from Uniconverge  
Technologies Pvt. Ltd.

Principal Investigator

Prof. Sanjeev Manhas, IIT Roorkee

Certificates to participants by E&ICT  
Academy IIT Roorkee



Class will be delivered through  
online platform

### Why Data Science ?

In 2012, Harvard Business Review dubbed Data Scientist the most exciting job of the 21st Century.

Data Science has bagged the top spot in LinkedIn's Emerging Jobs Report for the last three years. Thousands of companies need team members who can transform data sets into strategic forecasts. Acquire in-demand data science and Python skills and meet that need.

Data Science and AI have taken the centre-stage as more and more brands realise the possibilities of these tools in the post-COVID world. The demand for data engineers was up 50% and the demand for data scientists was up 32% in 2020 compared to the prior year.

### Objectives of the course

- To develop relevant programming abilities.
- To demonstrate proficiency with statistical analysis of data.
- To develop the ability to build and assess data-based models.
- To Reinforce your learning with hands-on exercises and engaging learning content.
- To apply data science concepts and methods to solve problems in real-world contexts.
- Take advantage of the experiential learning and build your portfolio in a real-world simulation.

### Course Features

- 70+ Hours of live instructor-led classes
- Lectures from IIT Roorkee, Hands-on from industry experts
- Soft Skills and Pedagogy Sessions
- Expert talks from industry
- Career guidance sessions from the experts
- Doubt clearing sessions
- Access to learning material and video lectures
- Resume preparation sessions from industry expert
- Certificates by E&ICT Academy IIT Roorkee

### Focus Areas

- Python Essentials, Python Editors and IDEs
- Data Structures in Python, R Language Essentials
- Data Science foundation, Data Preparation (Numpy, Pandas)
- Visualization with Python, Statistics for Data Science
- Sql For Data Science, Deep Learning – Cnn Basics
- Projects and Assignments

### Prerequisites

- No experience is required, but fundamental knowledge of any programming language would be helpful

### Registration Link

<http://tiny.cc/6o92uz>

### Registration Fee

Fees: ₹ 18000/participant, non refundable  
(Applicable for all)

Note: Refund will be done in case of course cancellation only, with in 20 working days

### How to make payment

<https://eict.iitr.ac.in/instruction-for-payment/>

Conference Code: EICTIITR-SUM-26

### Course Coordinators

- Prof. Partha Pratim Roy, CSE Department, IIT Roorkee
- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee

### Reach Us:

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