

Advanced Certification Course

on

Data Science using Python

[02 February- 15 February, 2021]

[Evening Batch - 5 PM onwards]

under the aegis of

Electronics & ICT Academy
IIT Roorkee



Supported by

Ministry of Electronics & Information
Technology
Government of India



Experts from Academia/Industry

Prof. R. Balasubramanian, IIT Roorkee

Prof. Partha Partim Roy, IIT Roorkee

Mr. Pranjal Mishra, Devarty Technologies

Expert talks from Industry

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 ?

Data Science has become an essential part of everyday life and emerged as a critical component of modern business intelligence in recent years. Its algorithms are becoming ever necessary due to various factors like growing volumes and varieties of available data, computational processing that is cheaper and more powerful, and affordable data storage.

Data Scientist has been named the best job - Forbes

Objectives of the course

- To Provide foundation of Python scripting and its principles.
- To provide the toolboxes you required to become a data scientist.
- To perform Machine Learning algorithms by studying underfitting, overfitting, training, validation, n-fold cross validation, testing.
- Project work on Creating the Spam Classifier using LSTM, Sentiment Analysis, Stock Price Prediction.

Course Features

- 40+ Hours of live instructor-led classes.
- Lectures from IIT Roorkee, Hands-on from industry experts.
- Expert talks from industry.
- Career guidance sessions from the experts.
- 3 hrs of doubt clearing sessions on weekend.
- Access to learning material and video lectures.
- Certificates by E&ICT Academy IIT Roorkee.

Focus Areas

- Hypothesis testing: Z-Test, Chi-Square, Anova, Jarque Bera
- Classification Algorithms: KNN, SVM, Naïve Bayes
- Feature Selection with Boruta & RFE
- Grid Search and Cross validation, DBSCAN
- Neural Networks, CNN, Time Series
- Projects- Creating the Spam Classifier using LSTM, Sentiment Analysis, Stock Price Prediction

Prerequisites

- Fundamental knowledge of packages in python programming.
- Familiar with ML and DL algorithms.
- Knowledge of Numpy, Pandas, EDA.

Registration Link

<http://tiny.cc/yg26tz>

Registration Fee

Fees: ₹ 8000/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/Paymentdetails.html>

Conference Code: EICTIITR-SUM-15

Course Coordinators

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