

Electronics & ICT Academy

IIT Roorkee

One Week Short Course/FDP

on

"Machine Learning using Python"

Recognized by AICTE at par with
QIP for recognition/credits



In Association with

Islamic University of Science &
Technology Awantipora Pulwama
Kashmir



July 01-05, 2019

Experts from Academia/Industry

Guest Lecture
IIT Roorkee

Industry Expert
Mr. Sriraman
Vowel Softech

Certificates to participants by
E&ICT Academy IIT Roorkee

Supported by

Ministry of Electronics & Information
Technology Government of India



Venue

Islamic University of Science &
Technology Awantipora Pulwama
Kashmir

Why ML with Python?

Machine learning is a method of data analysis that automates analytical model building. Machine learning techniques 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. Machine learning methods build quick and automatically producing models that can analyze bigger, more complex data and deliver faster, more accurate results on a very large scale. This analysis process further facilitates organizations in identifying profitable opportunities and avoiding unknown risks.

Objective of the Course

- Introduction of data analytics and its real-life applications.
- Understanding of statistics and Python programming which will help the participants to carry out various analytical studies.

Benefits and Outcomes of the Course

- Learn the importance of data.
- Learn the various aspects of data handling and how information can be extracted from data.
- Carry out predictions – how to predict, how to analyse predicted values, discuss the importance of variables in a dataset.
- Industries and domain where analytics are used extensively.
- Guide/Mentor the students to seek job opportunities in data analyst fields.

Focus Areas

- Introduction to Python, Variables Numbers, Strings, Lists, Tuples, Dictionary, Sets, Operators, Functions and Regular Expressions.
- Working with files, Numpy, Scipy and Pandas.
- Working with data, Splitting data, Data analytics workflow, Machine learning algorithms, Linear regression, Logistic regression, Decision Tree / Random Forest, Support Vector Machine, kNN, ML algorithms, Other aspects of data analytics.
- Assignment/Mini project based on data analytics.

Program Features

- The program is split into lectures and labs/hands-on sessions.
- Hands-on experience on basic and advanced-level topics.
- Interaction & learning with experts from academia & industry.
- Certificates to participants by E&ICT Academy IIT Roorkee.



Coordinator

IIT Roorkee
• Dr. Sanjeev Manhas, PI, E&ICT
Academy IIT Roorkee

Islamic University of Science &
Technology

- Dr. Kaiser Giri, Local Coordinator,
IUST Kashmir

Who Can Attend ?

Program is open to faculty members/research scholars/PG students from colleges/universities, and industry personnel working in the concerned/allied discipline.

Registration Fee

Faculty members: ₹ 1500/-

Research scholars: ₹ 1000/-

Persons from Industry: ₹ 2,000/-

How to make payment

Offline: DD in favor of "Dean SRIC IIT Roorkee" payable at Roorkee
"OR"

Online: (<https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=365641>)

Read the instruction for payment before filling the online registration form.

How to Apply

Step 1: Make Payment

Step 2: Participants may fill registration form through Academy website (<http://eict.iitr.ac.in>).
OR

Step 2: Send a duly filled-in registration form along with Demand Draft to Academy address.

Mr. Prateek Sharma, EICT Academy, ECE Department, IIT Roorkee-247667

Important Dates

**Last Date For
Registration :
June 25, 2019**

EICT Academy IITR

Electronics and ICT Academy (E&ICT) at IIT Roorkee (funded by Ministry of Electronics and Information Technology) aims to enrich and upgrade teaching and research competences of engineering faculties of institutes/colleges by conducting courses and workshops in fundamentals as well as emerging areas of E&ICT and enabled areas. The programs are conducted by well-known industry partners, resource persons from leading academia and experts from renowned R&D organizations.



Activities of the Academy

- Specialized training on basic and advanced level topics with hands-on experience in the emerging areas of Electronics & ICT.
- Setup the activity centers to conduct one-week short course/FDPs locally at institutes/colleges.
- Curriculum development for the industry.
- Continuing Education Programme for students/working professionals.
- Design, develop and delivery of specialized modules for specific research areas in industry.

One Week Short Course/FDP

on Machine Learning using Python



Dates: July 01-05, 2019

REGISTRATION FORM

Applicant Name _____

Gender: _____

Category (GEN/OBC/SC/ST): _____

Designation: _____

Name and Address of the
Organization/Institute: _____

City/Town: _____

Email: _____

Phone Number: _____

Do you need Accommodation?
(Yes/No): _____

DD Number: _____

Date: _____

Issuing Bank: _____

Payable at: _____

Signature of the Applicant

Contact Us

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