Data Analytics & Machine Learning
(Python / Anaconda)

4-6-8 Weeks / 30 Hours

Job oriented exhaustive program

Online Internship & Training Program

LIVE TRAINING PROGRAM WITH PROJECT

Official Partner

EI Systems
Unconventional Ideas.
Systematic Approach.

EISYSTEMS SERVICES

FF-113, Express Greens Plaza, Sector 1
Vaishali, Ghaziabad (Delhi NCR), Uttar Pradesh -201010
P: +91 9773976977 | E: info@eisystems.in | W: www.eisystems.in

About EISystems

EISystems Services is a leading Indian technology identity with operations in 16 states and union territories of India. EISystems (We call it EISys) offers trainings in Machine Learning, Internet of things, Deep Learning, Computer Forensics, Automobiles, Robotics and Socialmedia related solutions for enterprises and student community. Our online edtech domain "Robokwik"have been in among top self learning products provider brands in India. We have trained about 70000 students and impacted around 2 lakhs students through our various outreach initiatives since our founding.

Our Clientale

Some of the colleges where we had already felt our presence are given below:-

Indian Institute of Science, Bangalore
Indian Institute of Technology, Bombay
Indian Institute of Technology, Delhi
Indian Institute of Technology, Madras
Indian Institute of Technology, Kanpur
Indian Institute of Technology, Roorkee
Indian Institute of Technology, Guwahati
Indian Institute of Technology (Banaras Hindu University), Varanasi
Indian Institute of Technology, Indore
Indian Institute of Technology, Bhubaneswar
Indian Institute of Technology, Jodhpur
Indian Institute of Technology, Hyderabad
National Institute of Technology, Tiruchirappalli
National Institute of Technology, Warangal
National Institute of Technology, Calicut
National Institute of Technology, Patna
National Institute of Technology, Jalandhar
National Institute of Technology, Jaipur
National Institute of Technology, Durgapur
National Institute of Technology, Surat
National Institute of Technology, Allahabad
Indian Institute of Information Technology, Allahabad
ABV- Indian Institute of Information Technology & Management, Gwalior
PDP- Indian Institute of Information Technology & Management, Jabalpur
College of Engineering Guindy,
Anna University, Chennai
PSG College of Technology, Coimbatore
JNTUH College of Engineering, Hyderabad
SRM University

and more than 100 other engineering colleges.

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Prerequisites

Participants from CSE/IT/MCA/BCA/BSc IT/ECE background are eligible to join this program however we expects attendee to have a bit knowledge of OOPs concepts before applying the same.

What to bring during training program?

We expect participant to come with
1. A laptop with Microsoft Windows configuration & smartphone.
2. Laptop Charger/ Adapter for charging purpose.
3. USB Mouse for designing purpose (if required).
4. Internet Connectivity.

Post Training Deliverables

Every participant will get all under mentioned deliverables

1. 30 hours online training by specialized trainer.
2. Certificate of Internship from Eisystems Services & Technex IIT (BHU) Varanasi.
3. Guidance for Entrepreneurship in chosen field or employment support (if asked).
4. Chance to assist our trainer in our workshop(s) at IISc, IITs, NITs etc.

Course & Content

All of the sessions will be practical oriented, kindly look on the syllabus which we are going to cover during training days.

Session 1
Introduction to Machine Learning
What is Machine Learning?
Types of Machine Learning
How Machine Learning works?
Usage of Machine Learning.

Session 2
Introduction to Python Programming
Introduction to Python and Anaconda
Working on Jupyter IDE
Conditional statements in Python
Different types of data
List,Tuple Dictionary
Loops

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Session 3
Function & Packages
> Function
> Packages
> Installing different packages of Python

Session 4
Working on Various Python Libraries
> NumPy
> Pandas
> Matplotlib
> Scikit-learn

Session 5
Working on NumPy
> Introduction to Numpy Array
> Creating arrays of different Dimensions
> Indexing
> Data processing using Array

Session 6
Data Analysis using Pandas
> Introduction to Pandas
> Data Type of Pandas
> Creating Dataframe using Pandas
> Importing Dataset using Pandas
> Various operations on data using Pandas tools

Session 7
Data visualization using Matplotlib
> Plotting data using Matplotlib library
> Using various tools of Matplotlib
> Types of Graph
> Implementation of different types of Graphs

Session 8
Applying Algorithms on Dataset using Scikit-learn
> Data splitting
> Using different algorithms for dataset
> Prediction
> Score check
> Accuracy check

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Session 9
Machine Learning algorithms
    Regression analysis
    Simple linear regression
    Multi linear regression
    Classification
    Binary class classification
    Multi class classification
    Support Vector Machine
    KNN algorithm

Session 10
Project & Activities
    Salary prediction
    House price prediction
    Working on Iris dataset
    Working on MNIST dataset
    Working on Titanic dataset
    Working on CIFAR dataset

Disclaimer
Please makesure that IIT (BHU) Varanasi is nowhere charging any amount from any participant and this training/internship will be organised by Eisystems Services in association with Technex, an annual techno-management festival of IIT BHU Varanasi, it is to note that Technex is only responsible for providing certification to attending students and rest of the matters like marketing, operations, publicity, scheduling, payment processing, content development etc. will be taken care by Eisystems Services.

All of the matters/disputes related to internship/training needs to be addressed to EISystems Services only. See our terms and conditions on www.eisystems.in/tnc.php and fees once paid is non refundable and non transferrable. Company reserves fuil right to withdraw any offer anytime without any prior notification, Also it is important to understand that center of internship in Varanasi will not be IIT (BHU) Varanasi and it will be at some other place in Varanasi itself.

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