



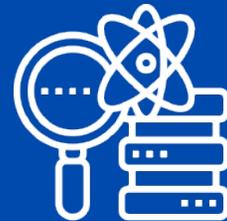
## CONTACT US

[sales@eduranz.com](mailto:sales@eduranz.com)

IN: +91 8003428234

[www.eduranz.com](http://www.eduranz.com)

 **Eduranz**  
Enhance your Career



## PYHTON FOR DATA SCIENCE CERTIFICATION TRAINING

# ABOUT EDURANZ

Our head office is located in Jaipur, India and other branch offices are located in Dubai and Oman. Having more than two decades worth of experience in Technical Consultancy, Infrastructure Management, and IT, we are focusing on creating an ecosystem for e-learning and quality education. We have a world class team of experts in the field of IT and e-learning. Eduranz aims to provide learning services around the globe to learners who wish to pursue online courses from our Learning Management System. We are fully committed to help our learners in achievement their career goals.

**COMMITTED TO HELP  
YOU ACHIEVE YOUR  
CAREER GOALS.**

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# ABOUT THE COURSE

## INSTRUCTOR LED TRAINING

39 Hours of interactive live online class from well experienced instructors



## EXERCISE AND PROJECT WORK

56 Hours of multiple hands-on experience with industry oriented capstone project



## 24/7 SUPPORT

Dedicated support team ready to resolve your query 24/7



## CERTIFICATE AND PLACEMENT ASSISTANCE

Industry recognized certificate and placement assistance



# Why take this course?



## Demand of Data Scientists

A data scientist is a professional who is responsible for collecting, analyzing, and interpreting huge amounts of data. The role of data scientists is a deviation from various traditional technical roles, including mathematicians, scientists, statisticians, and computer specialists.

According to Indeed, average salary of a Data Scientist is Rs. 8,13,533 per year, in India, which ranges from Rs. 1,46,000 to Rs. 20,43,000 per year. On the other hand, in the US it is \$124,220 per year.

Analytics India Magazine reported that the landscape of Data Science is projected to double its size by the year of 2025 (in 2019 it was 3.03 billion). So, this is surely the right time to make a career as a Data Scientist. Data Scientists are the highest paying professionals in the industry.

This course is designed and structured by industry experts, based on industry requirements. Upon completion of the program an industry recognized certificate is awarded. This certification will add great value to your professional portfolio. So, this is the right time to get started with Data Science.

# Course Content



## Curriculum - Python for Data Science

**1**

BASICS OF PYTHON

**2**

PYTHON OBJECTS  
AND DATA TYPES

**3**

PYTHON STATEMENTS,  
CONTROL FLOW AND  
FUNCTIONS

**4**

WORKING WITH  
OBJECT-ORIENTED  
PROGRAMMING  
CONCEPTS IN PYTHON

**5**

MODULES, PACKAGES,  
ERRORS & EXCEPTION  
HANDLING IN PYTHON

**6**

DECORATORS AND  
GENERATORS IN  
PYTHON

**7**

DATA PREPARATION

**8**

MATHEMATICAL  
COMPUTATION  
USING NUMPY

## Curriculum - Python for Data Science

# Course Content



**9**

SCIENTIFIC  
COMPUTATION USING  
NUMPY

**10**

DATA  
MANIPULATION  
USING PANDAS

**11**

DATA VISUALIZATION  
USING MATPLOTLIB  
AND SEABORN

**12**

WEB SCRAPING WITH  
PYTHON

**13**

MACHINE LEARNING  
WITH PYTHON

**14**

SUPERVISED LEARNING  
USING PYTHON

**15**

UNSUPERVISED LEARNING  
USING PYTHON

# Project



## Industry oriented projects - Python for Data Science

**Project 1:** Analyzing the Election Data

**Problem Statement:** Extract, load and Analyze the Poll from the Election and Donor Data

**Industry:** Government and Public Description: Post the election, government has given your company a contract of doing the analysis on the Election and Donor Data. You as the data analyst are supposed to answer to a few questions by analyzing the aggregated poll data. Like how much votes are done and different aspects in it along with analyzing the average donations given to Democrats and Republican (more questions are asked during the project.)

**Project 2:** Analyzing the Stock Market

**Problem Statement:** Extract, Load and Analyze the Stock Market data, get the stock information, visualize the data and predict its future from the dataset.

Industry: Stock Market

**Description:** Andrew is a Data Analyst in a company named ValueAnalytics, he has been assigned a project to analyze the Stock Market from a data set of Technology Stocks, by using the different libraries, he has to extract the stock information and perform the visualization of different aspects, along with analyzing the risk of a stock from its past history.

Andrew need to perform the tasks in this format:

- Find the change in the Price of the stock over time
- Find the daily return of the stock on average
- Find the moving average of the various stocks
- Find the correlation between different stocks' closing prices
- Find the correlation between different stocks' daily returns
- Find the value we should put at risk by investing in a particular stock
- Attempt to predict future stock behavior

## Industry oriented projects - Python for Data Science

### **Project 3:** Twitter Sentiment Analysis

**Problem Statement:** As you are holding the position of Data Scientist in your current organization, you need to build a model to categorize words based on sentiments. This model should tell whether words detected are positive or negative. Industry: Internet and Social Media

**Description:** Use the various Machine Learning models to analyze the words whether they are negative words or the positive words, using the sentiment analysis algorithm, build a model describing which word is negative and which one is positive.

# Project



# Reviews



"Well-paced and flexible classes"

"Eduranz did a great job training our employees. The classes were very well-paced and flexible for the crazy work schedule of our employees. I am very impressed and highly recommend Eduranz."

**-Alfred Chrispanous (VP - Channel & Alliances - Huawei)**

<https://www.linkedin.com/in/alfred-chrispanous-485b57b/>

"Excellent virtual class experience."

"The instructor was very good and prompt in responding to questions. Excellent virtual class experience. Good Work Eduranz!"

**-Rajeev Kathuria (West Head-Partner Management - Samsung)**

<https://www.linkedin.com/in/rajeev-kathuria-818414a/>



"Good Work Eduranz!"

"The instructor was very good and prompt in responding to questions. Excellent virtual class experience. Good Work Eduranz!"

**- Raja Velan (Regional Solution Manager - Huawei)**

<https://www.linkedin.com/in/raja-velan-793b211b/>



"Good experience to learn from Eduranz"

"It is a very good experience to learn from Eduranz!. Faculty seems excellent in sharing real-world experiences.I do not feel even for a single moment that I am learning from any tutor, it is like face to face gathering with an experienced person sharing its curriculum knowledge."

**- Mohammad Shahanawaz- Oracle DBA Officer**

<https://www.linkedin.com/in/mohammad-shahanawaz-95460524/>



## FAQs



### What if I miss a Class?

No one misses any lecture at Eduranz, because you will be provided with the recorded sessions of the class on your LMS within 24 hours and despite that, you can also attend any different live session to cover up the missed topic and ask your doubts from the trainer.

### What training modes are available for this Python for Data Science Certification Program?

Python for Data Science Certification Program, by Eduranz, is providing **live Online Classes**.

With online class training, you can access courses via video conferencing from your desktop to increase productivity and reduce work time and personal time. Our online classes will be recorded so that you don't miss a single concept.

### Who are our instructors and how are they chosen?

All of our highly qualified trainers are industry experts with at least 10-12 years of relevant teaching experience. Each of them underwent a rigorous selection process that included screening profiles, technical assessments, and training demonstrations before being certified for training.

## FAQs



### **How is the Eduranz Certified Certificate given?**

After completing the training program along with mini-projects, tests, and assignments, you will be working on a real-world industry oriented capstone project. Upon completion of the project you will be awarded with an industry recognized certificate by Eduranz.

### **Can I request a support session if I want to understand the topic better?**

Eduranz offers 24/7 customer query solution commitment. You just need to raise a query ticket at any time to our dedicated support team. You can use email support for all your questions as well. If your request is not answered via email, we can also arrange one-on-one discussions with our instructors. You will be glad to know that even after completing the program you can switch to Eduranz support. We don't limit the number of query tickets you can raise during the process.

### **Will the job support program guarantee me a job?**

Our job assistance program will help you reach the job that you have been seeking. Under this support program, we help you by building your professional resume and then sharing it across our network companies that we have tie ups with. You will be prepared for interviews through mock sessions by instructors.

However, Eduranz is not a recruitment or job agency, we do not guarantee you a job. We share your profile with different companies, then entire process is handled by the company and the result is totally based on the their decision.