APPLICATION OF PYTHON IN TRADING & INVESTING

by NSE Academy

Online Interactive Sessions

About the Course

Application of Python in Trading & Investing program covers the practical uses of Python, like analyzing data and stock market trading. Participants will learn how to install Python, use a code editor, and execute Python commands.

Eligibility

For individuals interested in enrolling for the Python course for beginners, it is advisable to have a basic understanding of stock market and investment principles, as well as a basic knowledge of Technical Analysis. This program caters to a wide range of Python proficiency levels, including those who have no prior experience in Python. The course primarily emphasizes analysis and strategy concepts related to long-term and short-term investments..

Course Content

The sessions will cover the following topics:

▶ **Python Working Environment**
  ▶ Jupyter notebook
  ▶ Introduction to Python with history, Python features
  ▶ Installation of Jupyter notebook, creating python environment on Windows OS, python commands.
  ▶ Programming Basics: keywords, syntax, variables.
  ▶ Operators: logical operators, comparison operators, mathematical operators
  ▶ Concepts: Conditional (if-else), string operations, array, loops, functions and file I/O
  ▶ Data collections: Pandas data frames, dictionary, arrays.

▶ **Main Data Analysis**
  ▶ How to import / export financial data from a file (file I/O)
  ▶ Exploratory data analysis
  ▶ Customized Charts
  ▶ Libraries: NumPy, Technical indicators
  ▶ News feed in Python.
  ▶ Backtesting in Python.
  ▶ Sample project.

Course Objective

This course aims to teach learners how to use Python for financial data analysis. They will gain foundational knowledge of Python programming, data collections, and key libraries such as NumPy and Pandas. Additionally, they will develop the skills needed to import/export financial data, perform exploratory data analysis, generate tailored visualizations, and implement back-testing on financial models using Python.

Course Features

Live online interactive classes by professional faculty

Class recordings will be available for 3 Months

Course access through Mobile, Desktop & Laptop

Get certified by NSE Academy

Access to Content on Digital Platform

Contact Details

Counsellor: +91 7715905414 | +91 9819021578
Email ID: gen_pdp@nse.co.in

Fees: Rs 5,500 + 18% GST (Rs 6490 inclusive of GST)

REGISTER & PAY NOW

Refund Policy

- Registration Fees paid by the candidate shall not be refunded under any circumstances after the classes have commenced.
- In case the registered candidate wishes to cancel the registration for the program, he/she is required to inform NSE Academy via a written request or an Email within 2 working days prior to the commencement of the program. If the refund request is approved, the candidate will be refunded 90% of the total course fees paid for the respective program.

* NSE Academy reserves the right to change or modify the class date / time due to certain exigencies.