



**4-Course
Series**

- Business Intelligence using Power BI and Tableau
- Data Analytics using R
- Microsoft 365 Excel
- Data Analytics using Python

Online Self-Paced Course

PYTHON FOR DATA ANALYTICS & REPORTING *THEMED TRACK*

(with R, Tableau & Power BI)



Duration of 140 Hours

access anytime and anywhere



1-Year of Access

Get LMS access for one year



Completion Certificate

Jointly issued by NSE Academy &
Grant Thornton Bharat



**Price
Rs 19,500/-
+ Taxes**

Enroll Now!

Business Intelligence (Power BI & Tableau)

Module 1: Introduction

Module 2: Power BI

Module 3: Tableau

Module 4: Software Support

- a. Support Material
- b. Final Assessment
- c. Power BI and Tableau Instructions
- d. Software Download Instructions

Data Analytics using R

Module 1: Introduction and Programming

1. Introduction to Data Analytics
2. Introduction to R
 - a. R programming
 - b. R programming - Case Study
 - c. Customer Churn

Module 2: Statistics and Visualization

1. Data Visualization: Various graphs, charts
2. Data Visualization: Advance
3. Descriptive Statistics: Basic statistical techniques including data properties: Hypothesis testing DPLYR package.
4. Linear Regression Model
5. Multinomial Linear Regression - Case Study
6. Logistic Regression
7. Multinomial Logistic Regression
 - a. Multinomial Logistic Regression - Case Study

Module 3: Advance Methods

1. Introduction to Artificial intelligence, ML and Deep learning
2. Neural Networks
3. Support Vector Machines (SVM)
4. Support Vector Machines (SVM) - Case Study
5. Decision Tree
6. Random Forest
7. K-nearest Neighbors
8. K-nearest Neighbors - Case Study
9. Clustering (K Means)
10. Principle Component Analysis
11. Principle Component Analysis - Case Study

Microsoft 365 Excel

Module 1: MS Excel Essentials: Functions and Tools

1. Data management and formatting
2. Referencing in Excel
3. Data split
4. Data validation
5. Adding hyperlinks
6. Logical functions
7. Lookup functions
8. Conditional functions
9. SUMPRODUCT function
10. Large and small values
11. Data concatenation
12. Working with dates and time
13. Financial functions
14. Text-oriented functions
15. Aggregate function
16. OFFSET function
17. INDIRECT function
18. Formula auditing
19. Statistical functions
20. Using Range Names
21. Excel Table
22. What If Analysis
23. Protecting Worksheet and Workbook
24. Dashboards and Data Summarization

Module 2: Microsoft 365 Excel

1. MS-365 Excel overview
2. Create dynamic sequence
3. Unique, sort and filter
4. New age lookup
5. Text-oriented functions
6. New data types
7. Create customized functions in Excel
8. Other functions
9. Assessment and study material

Data Analytics using Python

Module 1: Basic Python

1. Getting started with Python
2. Data and information management with Python Containers in Python
3. Conditional statements and control structures
4. Functions in programming
5. Functional programming in Python
6. Exceptions handling in Python
7. Python advanced topics
8. Python projects to check the knowledge
9. File handling and other OS interactions

Module 2: Python for Data Science

1. Lecture on introduction to Vectors, Matrices, and NumPy
2. Lecture on introduction to Data Frame manipulation series
3. Introduction to Data Frame manipulation
4. Data Frame manipulation
5. Date and time data frame manipulation
6. Lecture on Pandas internal commands
7. Lecture on visualization in Python
8. Lecture on visualization in Python part 2
9. Lecture on understanding Seaborn from scratch
10. Lecture on exploratory data analytics case study Chipotle

Module 3: Stats for Python

1. Basic statistics
2. Basic statistics
3. Probability theory



ADVANCED E-LEARNING COURSES

**CO-CERTIFIED BY
GRANT THORNTON & NSE ACADEMY**



Get ready with specialized skills sets in advance analytics and technologies.



Courses designed by professionals at Grant Thornton



In-course exercises files to help apply knowledge in real-world situations.



Joint certificate will be awarded by Grant Thornton & NSE Academy upon completion.

About Grant Thornton Bharat LLP

Grant Thornton Bharat (GT) is truly a global organization with 62,000+ people in more than 130 countries. No matter, how big the organization or the international challenges you face, GT has the resources to match and provide solutions. The organization has member firms in over 130 countries worldwide. It is ranked one of the top six firms in 88 markets around the world and established in all major business centres and emerging markets.

The organization serves India region with 13 offices in all major cities with more than 15,000 people.

The organization serves India region with 13 offices in all major cities with more than 15,000 people.



About NSE Academy

NSE Academy Limited is a wholly owned subsidiary of the National Stock Exchange of India Limited (NSE). NSE Academy Limited enables the next generation of BFSI and FinTech professionals with industry aligned skills – through capacity building programs and certification courses, powered by an online examination and certification system. The courses are well-researched and carefully crafted with input from the industry professionals.

NSE Academy Limited works closely with reputed universities and institutions across India in building a competent workforce for the future of BFSI and FinTech.

NSE Academy Limited also promotes financial literacy as an essential life skill among youngsters – a contribution towards financial inclusion and wellbeing.



Contact Details

 Counsellor: +91 7758832162 | +91 9137662466
 gen_pdp@nse.co.in

Price: Rs. 19,500/-
+ Taxes

(Rs. 23,010/- inclusive of all Taxes)

REGISTER & PAY NOW

Disclaimer

- It is clarified that NSE Academy does not, in any manner whatsoever, assure, warrant, guarantee, or promise any job/placement/advancement to any Participant. Under no circumstances, NSE Academy shall be held responsible/liable for failure on the part of the Participants to pass / successfully clear the interview process or the requirements to successfully secure a job.
- The information here can be used only by NSE Academy Ltd. It may not be reproduced in whole, or in part, nor may any of the information contained therein be disclosed without the prior consent of the authorized representatives of "NSE Academy Ltd." except within the organization.
- Any form of reproduction, dissemination, copying, disclosure, modification, distribution, and or publication of this material is strictly prohibited.
- All the courses are administered by the NSE Academy Ltd and Grant Thornton Bharat LLP. The participants need to complete certificate criteria
- independently to be eligible for the respective certificates.
- The Course Content/Outline mentioned herein is indicative and may be modified by NSE Academy in the best interest of the participants.
- The fee paid is non-transferable and non-refundable.