

Data Analysis & Visualization ***THEMED TRACK***

3-Course Series

- Business Intelligence using Power BI and Tableau
- Data Analytics using R
- MS Excel Essentials



Duration of 63 Hours

access anytime and anywhere



Online Self-Paced

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1-Year of Access

Get LMS access for one year



Completion Certificate

Jointly issued by NAL & GT Bharat



Online Query Support

Through LMS, by SME within 48-Hrs

Inaugural Price

₹ 12,750/-

Plus Taxes

Organizations value data as an asset. When managed effectively, data can help define long-term business strategies, improve systems and streamline processes, mitigate risks, and gain a competitive edge. This program will teach learners how to transform data into actionable insights, maximize the value of data for an organization, analyze large datasets quickly, and develop reporting dashboards that make data more accessible.

Business intelligence is a strategic tool that helps organizations track trends, identify actions, and understand their overall operations. It can improve processes, efficiency, and decision-making.



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[Program Website](#)

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

MS Excel Essentials

Module 1: Excel Functions 1

1. Introduction to Excel
2. Fundamentals of Excel
3. Cell Freezing and Referencing
4. Paste Special
5. Conditional Formatting
6. Sorting, Filter, SUM and SUMIF
7. COUNT, COUNTIF and COUNTIFS
8. Average, Max, Min, Median and CAGR

Module 2: Excel Functions 2

9. Rounding Function – ROUNDUP and ROUNDDOWN
10. Text Functions
11. Advance
12. Charts
13. Group and Ungroup
14. Subtotal
15. Sum Product

Module 3: Excel Functions 3

16. Large and Small
17. Text to Column
18. What if analysis – Data Table
19. IRR and NPV
20. PPS – Choose Function
21. Transpose
22. Pivot Table
23. Analytics

Module 4: Excel Functions 4

24. Query Editor
25. Power Query 2
26. Power Query 3
27. Power Query 4
28. Index and Constitutional Columns
29. Grouping and Aggregating Data
30. Power Query 5

Module 1: Excel Functions 5

31. Introduction to Data Models
32. Primary Key, Foreign Key, Data table and Lookup
33. Creating Relationships
34. Hierarchies
35. Power Pivot
36. Dashboards



ADVANCED E-LEARNING COURSES

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



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



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



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

Grant Thornton & NSE Academy, self-paced courses are designed to impart practical knowledge and skills to the learners. The programs are helpful to those individuals who aim to build or advance careers in specialized domains like Finance & advanced technologies like Blockchain, Analytics, Cyber Security, and Taxation.

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

About NSE Academy

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