

## 3 Days Workshop on Data Analytics and Visualisation Using Power BI & Excel

Our structured Data Analytics and Visualisation Training course follows a hands-on end-to-end process of importing data and transforming this into a stunning interactive dashboard .

The main goal of the workshop is to provide tools and techniques to learn corporate practices & reinforcing decision-making skills. These programs will help to improve the practical knowledge of the aspirant and help to analyze data, create stories, and generate insights. It will further train you in extending your skills to industry strength analytics using Excel & Power BI.

Training is hands-on, with participants working along with instructors, learning within the context of the real world, and practical examples.

The main goal of the workshop is to provide.

- The course provides strong foundation to become an Analyst and BI Developer
- These programs will help to improve the practical knowledge of the aspirant.
- These programs will help to create industry orientation in Analytics and visualization.

## Learning Outcomes

- Learn how to pre-process data
- Use Excel and BI tools to manage Data
- How to Apply in real life use cases
- How to integrate for solving problems
- How to Clean, Merge and append data using DAX
- Learn How to use visualization tools like Power BI and Excel

## Agenda & Program Flow

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### Day One

- Introduction

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- Data Analytics Visualisation

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- Data connectivity in excel and Power BI

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- Quick Insights

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- Visual Interactions

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- Streamline your workflow in BI

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- Build basic dynamic dashboards.

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## Day Two

### Data Cleaning using Power Query editor

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- Data Transformation
  - Query Editor Various Applications
  - Data Preparation
  - Data Transformation
  - Merge and Append data
  - Pivot and Unpivot
  - Conditional Columns
  - Integrate with Reports
  - Best Practices in data cleaning
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## Day Three

- Combine data using joins, blends, unions, and relationships.
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- Calculated column and table using Dax
  - Calculations by using measure
  - Improving the report by using measures
  - Model building and best practices
  - Choosing the right visualization
  - Custom visualizations
  - Dashboard
  - Publish Dashboard
  - Power BI Service
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## Prerequisites and Requirements

- The entire participant should have laptop with MS Office 2019 or above and Power BI Desktop
- No background in programming required.
- Duration: Three days and daily 6 hours each.

## Pedagogy

This program uses Lecture, student collaboration tools, Self-Leaning modules, Group learning works, Projects. and gamification.