



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved University) GURGAON, Delhi-NCR

Short Term Course on “Data Visualization through Power BI and Tableau: Tools and Technologies for Business Intelligence”

Outcome

After completion of this course, the participants will be able to learn:

- Concept of data visualization and tools used to visualize the data.
- Transformation of data through cleaning, splitting, pivoting, and merging techniques.
- Establishment of connection with data and perform various data preparation steps for visualizing it.
- Understanding the new ways of analyzing data, through various features in-built within Tableau and Power BI.
- Creating personalized and dynamic visualizations through parameters.
- Development of interactive dashboards using actions.
- Exploring various design practices for creating dashboards.
- Learn to publish and share dashboards and manage permissions to your published data.
- Get an extensive hands-on expertise on various tips and tricks with Tableau and Power BI.
- Create reports and visualizations, derive real-time insights from business with purpose to develop, publish and share interactive dashboard


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Course Content

Module 1 (6 hours)

- Introduction to data visualization
- Introduction to Power BI
- Data cleaning
- Importing Data in Power BI
- Building Charts in Power BI
- Filters in Power BI
- Data modelling in Power BI
- DAX and Dashboard
- Connecting to a web data source
- Dashboard in Power BI
- Art of Data Visualization: Power BI

Module 2 (6 hours)

- Introduction to Tableau and Tableau Interface
- Data Connection and Types of Charts
- Tableau Data connection
- Creating views in tableau
- Editing Meta data
- Building Views
- Types of Charts
- Types of Charts
- Types of charts in Tableau

Module 3 (6 hours)

- Data joins in Tableau
- Creating Joins in Tableau
- Data blending in Tableau
- Calculative fields in Tableau
- Dashboard Design in Tableau
- Building Story cards in Tableau
- Art of Storytelling using Visualization in Tableau

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