Power BI
DATA VISUALIZATION

UpSkillSoft is a leading e-learning platform providing live instructor-led interactive online training. We cater to professionals and students across the globe in categories like Data Visualization and Cloud Computing , Business Analytics, NoSQL Databases, Mobile Technologies and Programming. We have an easy and affordable learning solution that is accessible to millions of learners. With our students spread across countries like the US, India, UK, Canada, Singapore, Australia, Middle East, Brazil and many others, we have built a community of over 1 million learners across the globe.

Courses : AWS , Tableau, Power BI , MSBI (SSRS,SSIS,SSAS),SQL,Azure

Online Training - By Anand

INTRODUCTION

About Course

Learn how to use Microsoft BI from beginner basics to advanced topics with a fully experiential workshop that has been designed by industry experts. Maximise the BI potential and use it to transform data into meaningful visualizations and analytics. You will learn the rich components of this tool including Modelling, Visualizations, exploring data with the dashboard, working with Excel, publishing and sharing data and the DAX functionality.

The curriculum has been designed keeping in view industry demands and you can be assured of landing Microsoft Power BI developer roles with the skills you get from this workshop. Data Visualization jobs are at an all- time high with organizations realising the importance of using data to drive their business and achieve their goals. Tools such as BI help achieve these business objectives and hence are widely endorsed by big and small companies. Enrol now and gain the skills that are so much in demand across the globe.

Module

Gain a 360° overview of how to explore and use Power BI to build impactful reports. In this course, you'll go from zero to hero, as you discover how to use this popular business intelligence platform through hands-on exercises. You'll first learn how to confidently load and transform data using Power Query and the importance of data models, before diving into creating visualizations using Power BI's drag-and-drop functionality. You'll also learn how to drill-down into reports and make your reports fully interactive. Lastly, you'll level-up your skills using DAX formulas (Data Analysis Expressions) to create customized calculated columns and fields to better analyze your data. Get started now. You've got the power!

What will Participants Learn?

This Course is designed to help you become a successful Data / business analyst. During this course, our expert instructors will train you to

- Power BI architecture
- Power view, power query, power pivot.
- Installations and configurations associated with Power BI tool.
- Reporting and visualizations using auto filters.
- Hierarchies and drill-down reports.
- Power Query Editor
- Working with DAX Expressions.
- Power BI deployment and cloud operations.
- Advanced Power BI report/insights and subscriptions.

Who should take this training?

The Business Intelligence market is growing significantly across the world and such strong growth pattern followed by market demand is a great opportunity for the following IT Professionals.

- Business Analysts
- Data Analysts
- Project Managers
- Data Scientists
- Statisticians and Analysts
- Business Intelligence Managers
- Graduates

How will Power BI Training help your career?

Power BI is emerging as one of the hottest trends in the Business Intelligence market. The Data Visualization tool has been gaining popularity in various companies and hence, the demand for Power BI experts in on the surge. We offer the best Power BI training with 10K+ satisfied learners

What are the pre-requisites for this course?

- No Programing knowledge required
- Having Basic Database knowledge is helpful but not mandatory

Program Features:

- Live Online learning
- Hands-On
- Certified Trainers
- Flexible Batch Timings
- Live Session Recordings after class complete
- Learn From industry Experts

Delivery Mode:

- Online learning
- One to One discussion

Key Learning Outcomes:

By the end of this Power BI training, you will be able to accomplish the following:

❖ Power BI is a business analytics service provided by Microsoft. It provides interactive visualizations with self-service business intelligence capabilities, where end users can create reports and dashboards by themselves, without having to depend on any information technology staff or database administrator. Power BI provides cloud-based BI services - known as Power BI Services, along with a desktop-based interface called Power BI Desktop. It offers Data modelling capabilities including data preparation, data discovery and interactive dashboards.

❖ Master concepts like Data Visualization and Integration

❖ Learn about Power Pivot, Power View, Power Map etc

❖ Understand DAX and SSBI

❖ Use and implement Custom Visuals

❖ Explore Power BI Q&A

❖ Perform Data Binding and Formatting

❖ Master Power BI Embedded and Workspace Collection

❖ Understand and use Data Gateways, Content packs, Power BI Report Server

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Module 01 – Power BI Introduction Tableau
- Introduction to Business Intelligence
- Introduction to Data Analysis & Data Visualization
- What is Power BI?
- Installing Power BI Desktop
- How Power BI differs from other tools?
- Starting with Power BI Desktop
- Accessing data using Power BI
- Power BI Architecture
- Power Pivot,Power Query,Power View,Power Map

Module 02 - Data and Connections :
- Navigating in the user interface
- Data Manager
- Data Load Editor
- Data Model Viewer
- Connect to Data Sources in Power BI
- Connecting to Multiple CSV Files
- Connecting to SQL Server Database, ODATA, Webservices,Web
- Connecting to Multiple Files in Folders
- Creating data relationships on differ data.
- DirectQuery vs Import Data
- Interacting with the user interface

Module 03 – Power Query for Data Transformation:
- The Show Me Feature
- Power Query Introduction
- Query Editor
- Query Editor Interface
- Column Transformations
- Data Type
- Adding Column
- Text Transformations
- Number Column
- Calculations Date and Time Calculations

Module 04 – Data Modelling in Power BI
- Introduction to DAX
- Calculated Columns
- Measures Calculated
- Tables Row Context vs Set Context
- Advanced calculations using Calculate functions
- Time Intelligence Functions

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Module 05 – Power BI Charts

- Line Chart
- Bar Chart
- Pie Chart
- Table
- Pivot Table
- KPI Chart
- Gauge Chart
- Map Charts
- Scatter Plot
- Funnel Chart
- Area/Stacked Area Chart
- Donut Chart
- Card/Multi Row Card
- ArcGIS Maps
- Waterfall Chart
- R Script Visuals

Module 06 - Reports in Power BI :

- Create a new Power BI report
- The report editor in Power BI
- Add a page to a Power BI report
- Add a filter to a report in Power BI
- Save a report in Power BI
- About filters and highlighting in Power BI reports
- How to use report filters
- Analyze in Excel
- Change how visuals interact in a report
- Open a Power BI report in Reading View
- Go from Reading View to Editing View in Power BI
- Interact with a report in Editing View in Power BI
- Aggregates (sum, average, maximum, etc.) in Power BI
- Rename a report in Power BI
- Page display settings in a Power BI report
- Duplicate a report page in Power BI
- Delete a page from a Power BI report
- Rename a report page

Module 07 - Reports & Visualization

- Types of visualization in a Power BI report
- Custom visualization to a Power BI report
- Download a custom visual from the gallery
- Getting started with color formatting and axis properties
- Change how a chart is sorted in a Power BI report
- Move, resize, and pop out a visualization in a Power BI report
- Drill down in a visualization in Power BI
- Histograms
- Basic Area chart
- Combo Chart in Power BI
- Customize visualization title, background, and legend
- Customize X-axis and Y-axis properties
- Doughnut charts in Power BI
- Enhanced Scatter charts in Power BI
- Funnel charts in Power BI
- KPI Visuals
- Radial Gauge charts in Power BI
- Scatter Charts in Power BI
- Slicers in Power BI
- Tree Maps in Power BI
- Waterfall charts in Power BI

Module 08 - Reports in Power BI :

- Create a Power BI dashboard
- Dashboard tiles in Power BI
- Pin a tile to a Power BI dashboard from a report
- Power BI publisher for Excel
- Pin an entire report page to a Power BI dashboard
- Data alerts in Power BI service
- Add an image, text box, video, or web code to your dashboard
- Edit a tile -- resize, move, rename, pin, delete, add hyperlink
- Tips for designing a great Power BI dashboard
- Print a dashboard, print a dashboard tile, print a report page
- Display dashboards and reports in Full Screen mode
- Display a dashboard tile in Focus mode
- Featured dashboards in Power BI
- Create a phone view of a dashboard
- Add an image to a dashboard

Module 09 - Sharing Options

- Publish from Power BI Desktop
- Publish to Web
- Share Dashboard with Power BI Service
- Workspaces and Apps (Power BI Pro)
- Content Packs (Power BI Pro)
- Print or Save as PDF
- Export Data from a Visualization
- Publishing for Mobile Apps
- Export to PowerPoint
- Sharing Options Summary

Module 10 - Refreshing Datasets

- Understanding Data Refresh
- Personal Gateway (Power BI Pro and 64-bit Windows)
- Replacing a Dataset
- Troubleshooting Refreshing

Module 11 - Secure of Data in Power:

- Row Level Security
- Define roles and rules
- Validating the role
- Manage security on your model
- Validating the role

Module 12 - Introduction to DAX:

- Creating calculated columns
- Creating calculated measures
- Aggregation functions
- Counting functions
- Logical functions
- Information functions
- Text functions
- Date functions
- Filter Functions