iNeuron

Power BI and Tableau Online Course.

Power BI

Course Module

1. Business Intelligence (BI) Concepts.

- Introduction to Business Intelligence.
- The Importance of Business Intelligence.
- The Relation between Business Intelligence and Data Warehouse.
- Tools and Technologies in Business Intelligence area.

2. Microsoft Power BI (MSPBI) introduction.

- Power BI introduction and overview.
- Power BI Architecture.
- Power BI Process.
- Power BI comparison.
- Power BI – Building Blocks.
- Power Installation.

3. Connecting Power BI with Different Data sources.

- Connect to CSV files in Power BI Desktop.
- Connect to Excel in power BI Desktop.
- Connect to text in Power BI Desktop.
- Connect to SQL Server in Power BI Desktop.
- Connect to Web page from Power BI Desktop.
- Connect to Direct SQL Query in Power BI Desktop.

Evalutation 2 : Practical Assessment.

4. Power Query for Data Transformation.

- Power Query Introduction.
- Query Editor Interface.
- Column Transformation vs Adding Columns.
- Data Type.
- Text Transformations.
- Date and Time Calculations.
- M built-in functions.

5. <u>Data Modelling in Power BI.</u>

- Introduction to Data Modelling and DAX.
- Calculated Columns.
- Measures/ New Quick Measures.
- Calculated Tables.
- Row Context vs Set context.
- Advanced calculations using Calculate functions.
- Time Intelligence Functions.

Evaluation 3 : Practical Assessment.

6. <u>Reports in Power BI.</u>

- Create a new Power BI report.
- The report editor in Power BI.
- Add a page to a Power BI report.
- Add a Filters 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.
- Analyse in Excel.

- Change how visual interact in a report.
- Open a Power BI report in Reading View.
- Go from Readin 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 repost.
- Duplicate a report page in Power BI report.
- Rename a report page.

7. <u>Reports and Visualisation types in Power BI</u>

- Types of visualisation in a Power BI report.
- Custom visualisation to a Power BI repost.
- Download a custom visual from the gallery.
- Getting started with color formatting and axis
- properties.
- Change how a chart is sorted in aPower BI report.
- Move, resize, and pop out a visualisation in a
- Power BI report.
- Drill down in a visualisation in Power BI.
- Histograms.
- Basic Area Chart.

- Doughnut charts in Power BI.
- Scatter Charts in Power BI.
- Funnel charts in Power BI.
- KPI visuals.
- Radical Guage charts in Power BI.
- Bookmarks in Power BI.
- Slicers in Power BI.
- Tree Maps in Power BI.
- Waterfall charts in Power BI.

8. **Dashboards 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 (TV mode).
- Featured dashboards in Power BI.
- Add an image to a dashboard.
- Row Level Security in Power BI.

9. **Data Refresh in Power BI.**

- Configure scheduled refresh.
- Refresh a dataset created from a Power BI Desktop file - Local.
- Refresh a dataset created from a Power BI Desktop file - Cloud.
- Refresh a dataset created from an Excel workbook - Local.
- Disable privacy settings.

Projects : End to End
(Data Modelling and Visualisation).

Tableau Online Course

Course Module

1. Introduction

- Talking about Business Intelligence.
- Tools and Methodologies used in BI.
- Why Visualisation is getting more popular.
- Why Tableau?
- Traditional Visualisation(Excel) vs Tableau.
- Gartner magic Quadrant of Market Leadres.
- Future Business Impact of BI.

2. About Tableau.

- Tableau Installationin Local System/ Visual Segmentation.
- Tableau Architecture.
- Process Flow – BI project.

3. **<u>Tableau vs Other BI Tool</u>**

- Compression with Power BI and Qlick View.

4. **<u>Pricing</u>**

- For Individuals.
- For Teams and Organisations.
- Embedded Analytics.

5. **<u>At the End of this course.</u>**

- How to connect Tableau with different data sources.
- Visual Analytics in Depth.
- Parameter Filters.
- Tableau Calculations using functions.
- Building Predictive Models.
- Dynamic Dashboards and Stories.
- Sharing your Tableau Reports.
- Tableau Server.
- User Security.
- Scheduling.

5. Tableau Integration with

- PDF File.
- JSON file.
- Spatial file.
- Statistical File.
- Statistical File.
- Microsoft SQL Server.
- SQL
- Salesforce.
- Oracle.
- MongoDB.
- AWS.
- Azure.
- Google Analytics.
- R.
- Python.
- Hadoop.
- OneDrive.
- Microsoft Reporting Service.
- SAP HANA.
- Sharepoint.
- Snowflake.

7. Projects- With Multiple Data Source.

- Project 1. Project Sales.
- Project 2. Financial Report.
- Project 3. HealthCare.
- Project 4. Procurement Spend Analysis.
- Project 5. Human Resource.

8. Tableau interview Questions.

140+ interview questions including

Business Scenerio.

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THANK
YOU