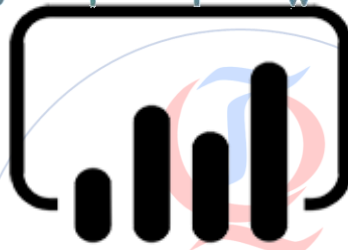


BI - Reporting Tools Combo Pack



t a b l e a u[®]
S O F T W A R E



Power BI



Qlik[®] Sense

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Hyderabad

START DATE :

We are ready to serve Latest IT Trends, Are you ready to learn.??

TIMINGS :

DURATION :

TYPE OF BATCH :

FEE :

FACULTY NAME :

Tableau

Tableau Introduction

- ✓ Importance of Data
- ✓ Why Visual Analysis?
- ✓ Why Tableau?
- ✓ Tableau Extensions
- ✓ Understanding Navigation

Tableau Products

- ✓ Tableau Desktop
- ✓ Tableau Prep
- ✓ Tableau Students Edition
- ✓ Tableau Server
- ✓ Tableau Public
- ✓ Tableau Reader
- ✓ Tableau Online

Tableau Terminology

- ✓ Dimensions
- ✓ Measures
- ✓ Shelves
- ✓ Pills
- ✓ Show me
- ✓ Data Pane
- ✓ Groups
- ✓ Sets
- ✓ Dashboard
- ✓ Worksheet
- ✓ Workbook
- ✓ Stories

Data Connection



- ✓ Types of Data Connections
- ✓ Live Connection
- ✓ Extract Connection
- ✓ What is Extract File

Working with Data

- ✓ Data Types
- ✓ Data Values
- ✓ What is Data Source?
- ✓ Connecting to DataSource

Joins in Tableau

- ✓ When to use Joins
- ✓ Data Blending
- ✓ When to use Data Blending
- ✓ Joins vs Data Blending
- ✓ Custom SQL in Tableau
- ✓ Data refresh
- ✓ Filtering
- ✓ Sorting
- ✓ Hierarchies
- ✓ Drill down & Roll ups
- ✓ Grouping
- ✓ Creating Sets
- ✓ Working with Sets
- ✓ Parameters
- ✓ Creating Parameter
- ✓ Parameter Controls
- ✓ Aggregation

Visualizing Data

- ✓ Charting



- ✓ Line Graphs
- ✓ Blended Axis
- ✓ Dual vs Blended axis
- ✓ Horizontal Bar chart
- ✓ Vertical Bar Chart
- ✓ tacked Bar Chart
- ✓ Pie Charts
- ✓ Gantt Charts
- ✓ Mapping
- ✓ Heat Maps
- ✓ Filed Maps
- ✓ Geo-Coding
- ✓ Formatting
- ✓ Advanced Charting
- ✓ Water Fall Charts
- ✓ Donut Charts
- ✓ Funnel Charts
- ✓ Lollipops Charts
- ✓ Whisker plots
- ✓ Scatter plots



Calculations

- ✓ String Calculations
- ✓ Date Calculations
- ✓ Boolean Calculations
- ✓ Functions

Statistical Models

- ✓ Linear Model
- ✓ Logarithmic Model
- ✓ Exponential Model

- ✓ Polynomial Model

Dashboards

- ✓ What is Dashboard?
- ✓ Basic Dash boarding
- ✓ Advanced Dash boarding
- ✓ Formatting
- ✓ Actions
- ✓ Creating a Story

Sharing the Visuals

- ✓ Sharing Options
- ✓ Tableau Reader
- ✓ Tableau Public
- ✓ Tableau Server
- ✓ Tableau Online



Power BI

Introduction

- ✓ What is Power BI?
- ✓ Power BI Desktop
- ✓ Download & Installation
- ✓ PowerBI in Web Browser

Power BI Components

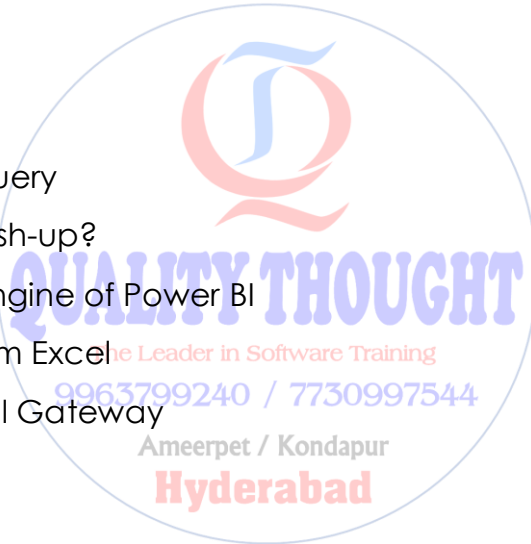
- ✓ Power Query
- ✓ Power Pivot
- ✓ Power View
- ✓ Power Map
- ✓ Power Q&A

Working with Data

- ✓ What is Power Query
- ✓ What is Data Mash-up?
- ✓ Data Mash-Up Engine of Power BI
- ✓ Getting Data from Excel
- ✓ Power BI Personal Gateway
- ✓ Data Sources
- ✓ File Sources
- ✓ Folder as a Source
- ✓ Database as a Source
- ✓ Analysis Services Connection
- ✓ Get Data from Azure SQL Database
- ✓ Azure SQL Data Warehouse Source
- ✓ Software as A Source
- ✓ Web Source

Data Transformation Using Power Query

- ✓ Configuration & Installation
- ✓ Power Query Versions



- ✓ Query Editor
- ✓ Transformation GUI
- ✓ Row Transformations
- ✓ Column Transformations
- ✓ Data Type
- ✓ Adding Column
- ✓ Text Transformations
- ✓ Number Column Calculations
- ✓ Date and Time Calculations
- ✓ Data types
- ✓ Lists
- ✓ Records
- ✓ Tables
- ✓ Built-in functions
- ✓ Writing Custom Functions
- ✓ Generators
- ✓ Error handling

Data Analysis Expressions (DAX)

- ✓ Modelling Data
- ✓ Manage Data Relationship
- ✓ Optimize Data Models
- ✓ What is DAX?
- ✓ Data Types in DAX
- ✓ Calculation Types
- ✓ DAX Functions
- ✓ Date and Time
- ✓ Time Intelligence
- ✓ Mathematical
- ✓ Statistical



- ✓ Text and Aggregate
- ✓ Measures in DAX

Data Visualizations

- ✓ Visualizations using Power BI Desktop
- ✓ Custom Visuals
- ✓ Formatting Visuals
- ✓ Power View for Excel
- ✓ Charts, Scorecards using Power View
- ✓ Sorting, Filtering, and categorization using Power View
- ✓ 3D geo-spatial visualization using Power Map
- ✓ Different versions of Power Map

Power BI Q&A and Data Insights

- ✓ Why Dashboard?
- ✓ Dashboard vs Reports
- ✓ Creating Dashboards
- ✓ Configuring a Dashboard
- ✓ Dashboard Tiles
- ✓ Pinning Tiles
- ✓ Power BI Q&A
- ✓ Insights in Power BI



Qlik Sence

Introduction to BI-Qlik sense

- ✓ What is business intelligence?
- ✓ Features of business intelligence

Qlik Sense

- ✓ Introduction to Qlik Sense and features of Qlik Sense
- ✓ Pros and cons of Qlik Sense
- ✓ Association concepts in Qlik Sense

Data warehouse concepts

- ✓ Concepts of facts and dimensions
- ✓ Dimension tables and fact tables.
- ✓ Snowflake schema and star schema

Installation of Qlik Sense

- ✓ Installation and process to start Qlik Sense
- ✓ Qlik Sense navigation
- ✓ Introduction to app overview, data manager, data model, data load viewer, and open hub.

Qlik Sense product types

- ✓ Qlik Sense cloud
- ✓ Qlik Sense desktop
- ✓ Qlik Sense Enterprise

Data manager

- ✓ Adding a new data table and connecting a new data source
- ✓ Loading the data from the source and web file
- ✓ Manual entry and file locations

App overview

- ✓ Title and description
- ✓ Settings
- ✓ Bookmarks and stories

Editing tables

- ✓ Modifying the field types
- ✓ Assessing table field data
- ✓ Cross Tab Un-pivot
- ✓ Calculated fields

Data load Editor

- ✓ Data connections and debug
- ✓ Loading and storing the data
- ✓ QVD files, a process to create QVD files
- ✓ Reading data from the QVD files

Filters

- ✓ Where class
- ✓ And or Options
- ✓ Conditions to group by and samples group by

Joins

- ✓ Introduction to joins
- ✓ Left, right, inner, and outer joins

Data model viewer

- ✓ Source table view
- ✓ Internal table view
- ✓ Preview of table
- ✓ Subset ratio and information density

Charts

- ✓ Filter pane, bar, line, combo, pivot, and table
- ✓ Text & image, KPI, Gauge, waterfall, Histogram, and treemap
- ✓ Distribution plot, scatter, pie, and map

Master Items

- ✓ Master Dimension, master measure, and master visualization
- ✓ Master visualization, and Alternate states

Synthetic key & circular references

- ✓ Introduction to Synthetic key & process to create synthetic key
- ✓ Remove synthetic key and introduction to circular reference
- ✓ The process to remove a circular reference

Master calendar

- ✓ Calendar creation
- ✓ Purpose
- ✓ Date & time functions

Variable

- ✓ What is variable and its usage
- ✓ SET and LET
- ✓ MTD & YTD concepts

Conditional expression

- ✓ If else
- ✓ Nested if

SET Analysis

- ✓ Introduction to SET Analysis
- ✓ Use and Syntax
- ✓ Direct and Indirect SET

Data Model

- ✓ Introduction Concentration and types of concentration
- ✓ Resident Load Inline Load
- ✓ Creating a data model with sample data

Optimized/ Non-optimized load?

- ✓ Concepts of optimization
- ✓ Apply Map
- ✓ Keep

Incremental load

- ✓ Introduction and usage
- ✓ Insert only, insert update and insert update and delete



Section access

- ✓ Concept of section access
- ✓ The need for section access
- ✓ Types of Section access
- ✓ Document-level, data level

Dev Hub

- ✓ Introduction
- ✓ Extension editor
- ✓ Qlikview converter
- ✓ Mashup Intro

Practice Test & Interview Questions

