

## **POWER BI CERTIFICATION TRAINING**

**Duration: 4Weeks (30hrs)**

### **POWER BI ONLINE TRAINING ALONG WITH**

### **SSAS TABULAR MODEL**

### **AZURE ANALYSIS SERVICE**

#### **Week:1**

##### **Introduction**

- **What is Business Intelligence (BI)**
- **Introduction to Power Bi Desktop and Power BI service**
- **Building Blocks of Power BI Desktop**

##### **Connect Data Sources and Transformations**

- **Connect to Data Sources in Power BI**
- **Clean and Transformation the data using Power query**
- **Append, Merge, Pivot, Un Pivot, grouping**
- **Advanced Data Sources and Transformations**

##### **Modelling**

- **How to manage data and Relationship**
- **Create Calculate columns**
- **Create measure and Create tables**
- **Create measures and work with time-banded functions**
- **Explore Time-Based data functions**

#### **Week:2**

##### **Visualizations**

- **Create and Customize Simple Visualizations**
- **How to use combination charts**
- **Create and forma slicers and Filters**
- **Table and Matrix**
- **Map Visualization**
- **Waterfall and Funnel chart**
- **KPIs, Gauges ,Single and Multi Number cards**
- **How to modify colors in charts and visuals**
- **Styling reports with shapes, text boxes and images**
- **Page Layout and formatting**
- **Drill throw**
- **Drill Down**
- **Book Mark**

### **Week 3:**

#### **Power BI Service(3hrs)**

- Exploring data
- Create and Configure a Dashboards and Reports
- Tiles
- Introduction to Q&A Suggestions
- Manual Refresh and refresh data
- Install and Configure a Personal gateway
- Publish and sharing the reports
- Create groups
- Create ,edit content packs
- Share Dashboards, Report

### **Week 4:**

#### **DAX (Data Analysis eXpression language)(7hr)**

- Introduction to DAX
- Using DAX to create new models from existing data
- DAX Calculated Columns and Measures, Relationships and Hierarchies
- DAX Variable: Using variables in text, calculated columns, Measures and Calculated Tables
- DAX Context: Implicit and Explicit Filters, Row Context and Context Transition
- DAX Functions: Aggregation, Filter, Date and Time, Time Intelligence, Information, Counting, Logical, Mathematical, Statistical, Text Functions. Formulas
- Queries in DAX
- Table relationships
- DAX Table valued Functions and Filters
- More then 200 functions will coverd

### **Week 5:**

#### **Create a SSAS Tabular Model Project using DAX(2hrs)**

- Import data from Source databases (Analysis Service or Power Pivot)
- Create Relationship between the Tables (Modelling)
- Create calculated Columns and Measures
- KPIs
- Hierarchies
- Perspectives
- Partitions
- Translations
- Roles

- Create a SSAS Tabular model Project and Deployed into tabular Analysis
- Pull the data from SSAS tabular to Power BI

#### **Azure Analysis Service**

- Create a Tabular Model Project and Deployed the model into Azure environment
- Extract data from Azure to Power BI

- Azure Data Factory (Basics)
- SSIS (Basics)
- SQL Server Basics

#### **Interview Questions and Answers**

#### **Resume Preparation**

**1 project**