CELEBRATING 12 YEARS

Quality Thought®

JOB ORIENTED JOIP INTENSIVE PROGRAM

FULL STACK POWER BI

Power BI

SQL®

Azure

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SQL

- Introduction
- SQL Data Definition
- SQL Data Manipulation
- SQL Data Control
- SQL Transactional Control
- SQL Data Types
- SQL Constraints
- SQL Joins
- SQL Subqueries
- SQL Advanced Queries

Power BI

- Power BI Basics
- Power BI Desktop
- Power BI Query – Transform
- Data / Edit Queries
- Power BI Service
- Power BI Mobile App
- Power BI Licensing Models
- (Pro & Premium)
- Power BI DAX – Data
- Analysis Expressions
- Power BI Custom
- Visualizations

PowerApps

- Power App Introductions
- Canvas Apps
- Common Data Sources
- Model-Driven Apps

Power Automate

- Introduction
- Power Automate
- Power Automate Flow
- End to End Flow

Azure

- Cloud Computing
- Azure
- Azure Services
- Azure with Power BI

Tools used in this Course

Power BI

SQL

Azure

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Introduction

- What is SQL?
- Brief history of SQL
- Why is SQL Important
- Popular Databases
- What Is MySQL?
- Introduction to MySQL & MySQL workbench
- Install MySQL Database Server
- Connect to MySQL Server

SQL Data Definition

- Selecting Database
- CREATE DATABASE
- DROP DATABASE
- Data Types
- CREATE TABLE
- Sequence
- ALTER TABLE
- ADD COLUMN
- DROP COLUMN
- RENAME TABLE
- DROP TABLE
- TRUNCATE TABLE

SQL Data Manipulation

- SELECT
- ORDER BY
- WHERE
- SELECT DISTINCT
- AND
- OR
- IN
- BETWEEN
- LIKE
- LIMIT
- IS NULL
- Table & Column Aliases
- GROUP BY
- HAVING
- Subquery
- Derived Tables
- EXISTS
- UNION
- MINUS
- INTERSECT
- INSERT
- UPDATE
- DELETE
- REPLACE

Data Control Language

- GRANT
- REVOKE

Transaction Control Language

- COMMIT
- ROLLBACK
- SAVEPOINT
- SET TRANSACTION

Transaction Control Language

- COMMIT
- ROLLBACK
- SAVEPOINT
- SET TRANSACTION

SQL Data Types

- Bit
- Boolean
- Char
- Date
- Datetime
- Decimal
- Int
- Time
- Timestamp
- Varchar

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SQL Constraints

- Primary Key
- Foreign Key
- Unique Constraint
- Check Constraint
- Not Null
- Default

SQL Joins

- Joins
- Inner Join
- Left Join
- Right Join
- Self-join
- Cross Join

SQL Subqueries

- Single-row subqueries
- Multiple-row subqueries
- Correlated subqueries

SQL Advanced Queries

- Rank
- Dense Rank
- Row number

Power BI

Power BI Basics

- Introduction to Reporting
- History of Power BI
- Power bi desktop installation
- Advantages of power bi than SSRS
- Tool Introduction
- Creating a sample Report

Power BI Desktop

- What is Power BI Desktop?
- Connecting / fetching the data to power bi from SQL SERVER / EXCEL / Tabular SSAS/text file.
- Modifying the data source settings.
- Understanding of Relationships view/Data view/report view
- Creating/modifying and deleting the relationships.
- Manage Relationships.
- Creating / deleting and renaming the reports
- Data Refresh options
- Table level & column level options
- Delete
- Rename
- Hide
- View Hidden
- Unhide/collapse/expand all
- All filter
- New Hierarchy
- New Measure/calculation
- Datatypes, Changing the Datatype of a Column
- Filters in Power Query
- Auto Filter / Basic Filtering
- Filter a Column using Text Filters
- Filter a Column using Number Filters
- Filter a Column using Date Filters
- Filter Multiple Columns
- Other reporting options
- Cut
- Copy
- Paste
- Format Painter
- Adding images/Text boxes/shapes
- Enter Data
- Page View

Power BI Query – Transform Data / Edit Queries

Table level options

- Copy
- Paste
- Delete
- Rename
- Duplicate
- Reference
- Move up/down/group
- Create function

Column Level options

- Copy/rename
- Rename other columns
- Duplicate columns
- Remove duplicate / errors
- Change type
- Transform
- Replace
- Replace error
- Split column
- Group by
- Fill up
- Fill down
- Unpivot columns and other columns
- Rename
- Move
- Drilldown
- Add as a new query
- Other options
- Merge queries
- Append queries
- Use first row as a header
- Sorting
- Create / work with parameters

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Append Queries

- Append Queries
- Append Queries as New
- Append 2 or more files individually with different queries
- Query Options
- Copy Query, Paste Query
- Delete Query, Rename Query
- Enable Load, Include in report Refresh
- Duplicate Query, Reference Query
- Move to Group, Move Up, Move Down

Merge Queries

- Merge Queries, Merge Queries as New
- Default Types of Joins / Join Kinds / Merge Type
- Left Outer (all from first, matching from second)
- Right Outer (all from second, matching from first)
- Full Outer (all rows from both)
- Inner (only matching rows)
- Left Anti (rows only in first)
- Right Anti (rows only in second)
- Cartesian Join or Cross Join
- Transpose
- Reverse columns
- Count
- Detect data types
- Extract
- Parse
- Date
- Time
- Expand
- Aggregate

Power BI Service

Power BI Service Introduction

- Power BI Service Introduction, Power BI Cloud Architecture
- Creating Power BI Service Account, SIGN IN to Power BI Service
- Account
- Publishing Reports to the Power BI service, Import / Getting the
- Report to PBI Service
- My Workspace / App Workspaces Tabs
- DATASETS, WORKBOOKS, REPORTS, DASHBOARDS
- Working with Datasets, Creating Reports in Cloud using Published
- Datasets
- Power BI Datasets Live Connection using Desktop
- Working with Workbooks, working with Reports, Sharing Reports

Dashboards Development

- Publishing Reports to the Power BI service, Import / Getting the
- Report to PBI Service
- My Workspace / App Workspaces Tabs
- DATASETS, WORKBOOKS, REPORTS, DASHBOARDS
- Working with Datasets, Creating Reports in Cloud using Published
- Datasets
- Power BI Datasets Live Connection using Desktop
- Working with Workbooks, working with Reports, Sharing Reports
- Creating Dashboards
- Pin Visuals and Pin LIVE Report Pages to Dashboard
- Advantages of Dashboards
- Interacting with Dashboards
- Adding Tiles to Dashboards
- Web Content, Image, Text Box, Video
- Formatting Dashboard
- Sharing Dashboard

Data Gateways

- Introduction to Data Gateways
- How Data Gateways work
- Connect to an on premise Data Source by using a Data Gateway
- Download Data Gateway
- Installing a Data Gateway
- Types of Gateways
- On-premises Data Gateway, On-premises Data Gateway (personal mode)
- Manage Data Gateway
- Add and Remove Administrators
- Add Data Source, Add or Remove Users to a Data Source
- Refresh On Premise Data
- Configuring Automatic Refresh using Schedules

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Power BI

Collaboration in Power BI using App Workspace

- Introduction to App Workspaces
- Create an App Workspace
- Add Members to App Workspace to Collaborate
- App Workspace Access
- Admin, Member, Contributor

Sharing Power BI Content using Apps and Content Packs

- Introduction to App
- Publish an App
- Update a Published App
- Manage Content in App
- Include in App, Exclude in App
- Sharing App
- Entire Organization, Specific individuals or group

Row Level Security in Power BI

- Introduction to Row Level Security
- Row Level Security (RLS) with DAX
- Manage Roles, Creating Roles, Testing Roles
- Adding Members to Roles in Power BI Service

Power BI Mobile App

- How to install Power BI Mobile App
- How to sign in to mobile app
- How to customize reports / visuals only for mobile apps specific.

Power BI Licensing Models (Pro)

- Introduction to power bi licensing model
- What is Power BI Pro
- What Is Power BI Premium
- Difference between those two Pro and Premium

DAX – Data Analysis Expressions

- Enhancing the Data Model - DAX
- What is DAX, Calculated Column, Measures
- DAX Table and Column Name Syntax
- Creating Calculated Columns, Creating Measures
- Calculated Columns Vs Measures
- DAX Syntax & Operators
- DAX Operators
- Types of Operators
- Arithmetic Operators, Comparison Operators, Text Concatenation
- Operator, Logical Operators
- Filter & value functions
- Logical functions
- Mathematical functions
- Statistical functions
- Text functions
- Time functions

DAX Date & Time Functions

- Year, Month, Day
- Weekday, Weeknum
- Format (text Function) Month Name, Weekday Name
- Date, Today, Now
- Hour, Minute, Second, Time
- Datediff, Calendar
- Creating Date Dimension Table

DAX Text Functions

- Len, Concatenate (&)
- Left, Right, Mid
- Upper, Lower
- Trim, Substitute, Blank

DAX Logical Functions

- IF
- TRUE, FALSE
- NOT, OR, IN, AND
- IFERROR
- SWITCH

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Power BI

DAX Math and Statistical Functions

- Int
- Round, Roundup, Rounddown
- Divide
- Even, Odd
- Power, Sign
- Sqrt, Fact
- Sum, Sumx
- Min, Minx
- Max, Maxx
- Count, Countx
- Average, Averagex
- Countrows, Countblank

DAX Filter Functions

- Calculate
- Calculatetable
- All
- Related
- Allselected
- Allcrossfiltered
- Distinct
- Earlier
- Filter
- Hasonefilter
- Hasonevalue
- Isfiltered
- Iscrossfiltered
- Selectedvalue
- Userrelationship

DAX Time Intelligence Functions

- Time Intelligence Introduction
- Totalmtd, Totalqtd, Totalytd
- Previousday, Previousmonth
- Previousquarter, Previousyear
- Nextday, Nextmonth
- Nextquarter, Nextyear
- Sameperiodlastyear
- Parallalperiod

Power BI Custom Visualizations

- PBI certified Visuals
- Word Cloud
- Infographic Designer
- Drill down pie chart
- Histogram

Azure

Induction to Cloud Computing

- What is Cloud Computing?
- Different cloud platforms
- Could Services

Azure

- Azure Introductions
- Azure Fundamentals
- IaaS, PaaS & SaaS

Azure Services

- Azure Blob Storage
- Azure Data Lake Storage (ADLS)
- Azure SQL Database
- Azure Data Factory
- Dataflow
- Power Query Editor
- Pipeline
- Datasets

Azure with Power BI

- Azure Power BI Connectivity
- End to End Connectivity from Azure Services to PowerBI

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Transforming Dreams! Redefining Future!

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STUDENT TRANSFORMATION STAGES

Student's Enrollment

8Hours JOIP Training

Mock Interview

Resume Preparation

Interview Schedule

3-6 Months Internship

JOB

Interview Schedule

JOB

OUR STUDENTS ARE PLACED IN

wipro | LARSEN & TOUBRO | Apollo HOSPITALS | Cognizant | Microsoft | servicenow
amazon | S&P Global | Aadvi Tech Solutions | Medtronic | meslova | {actlogica} Actuarial | Finance | Technology
Sunseaz Technologies Pvt Ltd | CAPRUS IT Unlocking Smart Solutions | SOLUGENIX | Collabera Value. Accelerated. | iPrism Technologies | NOOR
VALUEMOMENTUM | PERVACIO | MIRABEL TECHNOLOGIES | erwin | STIC Soft When you need the results | sumtotal A Skillsoft Company
Nendrasys Accelerating Business Transformation | magnasoft | Innominds Powering the Digital Next | High Noon Consulting. Possible Is Everything | JRD SYSTEMS | ValueLabs
techforce.ai | ENVISION | splashBI | archents | techolution | SOLIX Empowering Data Management

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