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Since 2001

24th ANNIVERSARY

MICROSOFT FABRIC

Best Training And Placement Institute

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About Version IT

Version IT is not a mere software training institute, a team of IT professionals developed it as the best knowledge centre for hundreds of career-building conscious young people. Our training academy is the best training institute in Hyderabad offering various software courses with aptly placement orientation. We proudly announce that we achieved 100% placements in every batch we have taken up in the past two decades. Version IT Academy's strength is our academic excellence with which we have been placed in the top position among the software training institute in Hyderabad.

Corporate Training

Class Room Training

Online Training

Why Choose Us!

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Training By Certified Instuctors

Mock Interviews

Weekly Assignments

Project Training

Interview Cracking tips

Resume Preparation

Microsoft Fabric - Course Curriculum

Module 1: Introduction to Microsoft Fabric

Goal: UnderstandFabricplatformandsetup
- **What is Data?**
- **What is Big data?**
- **How Data Getting generated?**
- **Why Data Engineering is required?**
- **What is Microsoft Fabric?**
- **Why Microsoft Fabric?**
- **Fabric Benefits and Feature**
- **Fabric Components**
- **Fabric signup & workspace creation**
- **Unified developer experience**

Module 2: LakeHouse

Goal: ExploreOne Lake architecture and build Lake House
- **One Lake overview**
- **Understanding Fabric Workspaces**
- **Workspace roles in Microsoft Fabric**
- **Creating a Lake house**
- **What is inside Lake house?**
- **Uploading data to Lake house**
- **Uploading Folder into Lakehouse**
- **SQL analytics endpoint in Lakehouse**
- **Access SQL analytics endpoint using SSMS**
- **Visual Query in SQL endpoint**
- **OneLake File Explorer**
- **Using Dataflow Gen2**
- **SQL analytics endpoint**

Module 3: Data Warehousing

Goal: Create and managestructuredwarehouses

·What is a data warehouse?

·Creating warehouse & tables

·INSERT, UPDATE, ALTER operations

·Calculated columns & schema updates

·COPY INTO command

·Referencing LakeHouse SQL endpoints

·Cloning tables

·Modifying semantic models for reporting

Module 4: Data Pipeline

Goal: Build and manage datapipelines

· Fabric Data Pipeline UI

· Ways to load data into Lakehouse

· Gateway types in Microsoft Fabric

· Installing On-prem data gateway

· Create Connection to SQL Server

· Pipeline to ingest OnPrem SQL data to Lakehouse

· Dataflow Gen2 - Intro

· Creating DataFlow Gen2

Module 5: SQL Prerequisites

Goal:LearnSQL forquerying structureddata

· SELECT, WHERE, ORDER BY, GROUP BY

· JOINs: INNER, LEFT, RIGHT, FULL

· Aggregations: COUNT, SUM, AVG, MAX, MIN

· Subqueries

· INSERT, UPDATE, DELETE

· CREATE TABLE & ALTER TABLE

· SQL functions & expressions

· Views & indexing

Module 6: Python Prerequisites

Goal:BuildfoundationalPythonskillsfordataengineering

·Python Introduction

· Variables

·Data types

· List

· Tuple

· Dict

·Control flow (if, for, while)

·String Operations

·List Operations

·Custom Functions

·Lambda Functions

Module 7: PySpark Essentials with Fabric Notebook

Goal:Use PySpark for scalable dataengineering

· Spark architecture & execution model

· Creating SparkSession

· Reading data (CSV, Parquet, Delta)

· Narrow Transformations

· Wide Transformations

· DAG

· DataFrame operations: select, filter, groupBy

· Defining schema manually

· Joins & aggregations

· Writing data to Delta Lake

· SparkSQL & temporary views

Module 8: Power BI & Semantic Models

Goal:Build semantic modelsandvisualizedata

· Semantic model concepts

· Creating models & measures

· Connecting Power BI Desktop to Fabric

· Auto-create reports

· Creating & updating Power BI apps

• Using SQL endpoint for reporting

Module 9: Real-Time Analytics

Goal:Ingest andprocessstreamingdata
- **Basics of Real-Time Analytics**
- **Creating KQL databases**
- **KQL syntax: filtering, grouping**
- **Visualizing data**
- **Connecting KQL to Power BI**

Module 10: Real-Time Project

Goal: To make understandrealworldproject
- **Data Discovery**
- **Control table and its entries**
- **Creating Model**
- **Data Ingestion**
- **Data Transformation**
- **Orchestration**
- **Scheduling**

Microsoft Fabric

Our Alumni Work At

tcs TATA CONSULTANCY SERVICES	genpact	accenture	NOUS INFOSYSTEMS LEVERAGING INTELLECT	TX TestingXperts
cognizant	CGI	Capgemini	NTT DATA	wipro
yatra	Deloitte.	EMERSON	IGT	Qualcomm
glance	Ford	EXL	Cigniti Software Quality Assured	zeta
goibibo.com	HCL	HDFC BANK We understand your world	ARTECH INTELLIGENCE IS HUMAN	Caliber
Myntra	Infosys	IBM	aprovesign	DQ Labs
Paytm	syngenta	Tech Mahindra	aspire SYSTEMS	FedEx
Convertcart	(expleo)	AllCloud	Sotiotech	ARTECH INTELLIGENCE IS HUMAN
MAXCOM	MENLO TECHNOLOGIES	QUALIZEAL	aspire SYSTEMS	FOCUS INFOTECH
XIUS	voltus BETTER ENERGY MORE CASH	ValueLabs	VALUEMOMENTUM	AllCloud

Our Other Courses

Development Technologies

Java Full stack	Python Full stack	.Net Full stack
M E R N	M E A N	React

Cloud Technologies

aws	Azure	GCP
Dev Ops	Salesforce	servicenow

Triending Technologies

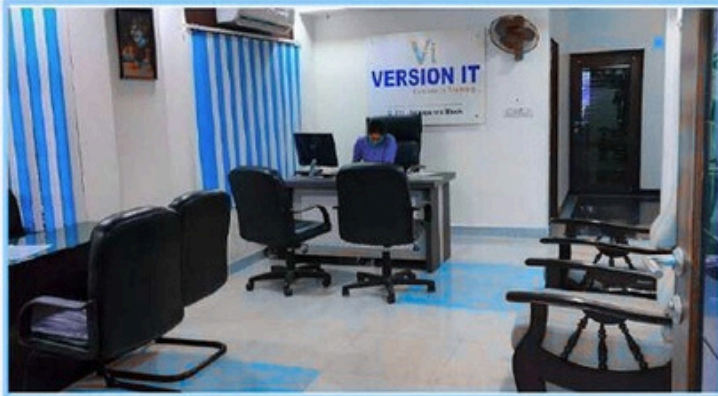|		
Data Science	Data Analytics	Cyber Security
Azure Data Engineer	Aws Data Engineer	GCP Data Engineer

Our Infrastructure

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Our Branches

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