CERTIFICATION IN DATA VISUALIZATION

DATA VISUALIZATION skills and take your career to the next level!

CERTIFICATION IN DATA VISUALIZATION

Microsoft

This certification course has been designed by industry experts to help you prepare for the Industry projects. Through this training, you will gain knowledge in advanced data concepts, data analysis concepts, ELT concepts, Cloud concepts for data, data visualization concepts. You will also receive course material and assignments that will help you for hands-on. At the end of the course we will help students with capstone project.

JOB

1.3 Million Job Postings

There is a global estimate of 1.3 million job postings for Data Analyst and Data Engineering by 2025

Growth

Growing Microsoft Azure Industry

40% CAGR in the global Data Science industry

Demand

High Demad

By 2023, India and US will face a demand supply gap of 300,000 Data Analyst and Data Engineers

About Program

This Data visualization Course will provide you with definitive training in implementation, Analysis and monitoring of Data . As a part of the training, you will get hands-on experience by working on real-world projects for building scalable BI, Data Analysis and Data Engineering , and become industry-ready.

Key Highlights

✓ 2 Months Instructor-led virtual Training

✓ Recording would be provided of all sessions

✓ Project / Lab based Training

✓ Certification Assistance will be provided

✓ Industry experience trainer will conduct the training

✓ Trainer has 18+ years of industry experience

Program **Curriculum**

Module 1

Introduction to Cloud Technology

- Introduction to cloud computing
- What is Microsoft Azure?
- Microsoft Azure Services
- Azure Portal
- Azure CLI
- Azure PowerShell

Module 2

Manage Microsoft Entra users and groups

- Create users and groups
- Manage user and group properties
- Manage licenses in Microsoft Entra ID
- Manage external users
- Configure self-service password reset (SSPR)
- Manage built-in Azure roles
- Assign roles at different scopes
- Interpret access assignments

Module 3

Concept of Data and Data Analysis

- What is Data
- Types of Data
- Structure Data
- Un-Structure Data
- Semi-Structure Data
- Data Security
- Data Backup
- Data Aanlysis Introduction

Module 4

Data Deployment in Azure

- Azure Storage Account
- Azure SQL Server
- Azure SQL Database
- Azure Data Security
- Azure Data Backup
- Azure Storage Replication
- Data Replication Options
- Azure Import/Export Service

Module 5

SQL

- Join and Its Tyoe
- GroupBy
- Filtering, Sorting and calculating Data
- Subquery in SQL
- Builtin Functions
- String Function
- Data and Time Function
- Order BY
- Having Clause
- Trigger

Module 6

ETL Concepts and Azure Datawarehouse

- Introduction of Datawarehouse
- Introduction of ETL
- Introduction of Azure Datawarehouse
- Introduction of ADF
- Introduction of Synape
- Concepts of Data Pipeline

Program **Curriculum**

Module 7

Tableau

- Introduction of Business Intelligence
- Introduction of Data Analysis
- Introduction of Data Visualization
- Data Import from Multiple Sources
- Enriching your data with business calculations
- Visualizing your data and authoring reports
- Scheduling automated refresh of your reports
- Creating dashboards based on reports
- Creating interactive dashboards
- Creating interactive Story Tellers.
- Creating custom visualizations

Module 8

Microsoft PowerBI

- Introduction of PowerBI
- Data collection from Data Source
- Data Cleaning Concepts
- Transforming and Load data
- Model Data
- Visualize and Analyse the data
- Enhance Report
- Identify patterns and trends
- Deploy and manage assets
- Manage Dataset

Course Projects

Handling Data migration based on provided architectural requirements

The learners will create and migrate Azure Virtual Machines, creating storage accounts and application gateways for aiding Azure Migrate. They will learn how to create architecture by using the mentioned services to migrate servers.

Case Study 2 - Microsoft Azure Storage

The project involves the learners solving latency issues, difficulty in accessing common files and tools, and easing the upload of static content to Azure Storage. The learners will also create and configure a CDN endpoint.

Building a dashboard to monitor your Data

Monitoring data is included in the project wherein the learners will build a dashboard. The learners will use multiple types of dataset and monitor an organization's dataset for future business strategy.

Case Study 3 - Deploy Azure SQL Database

This project allows the learners to manage Azure SQL for an organization. Learner will run multiple SQL quires and perform data analysis on the dataset in Azure Environment.

Case Study 1 - Introduction to Cloud Computing

The project involves solving the issue of not wanting the corporation's confidential data on the cloud while migrating to Microsoft Azure. Here, all resources are governed and track costing and billing is performed separately.

Case Study 5 - Tableau and Microsoft PowerBI

The learners will study how to successfully set up dashboard in Tableau and Microsoft Power BI. How to perform data analysis and visualize dataset in the tableau and Microsoft PowerBI.

Contact Details

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