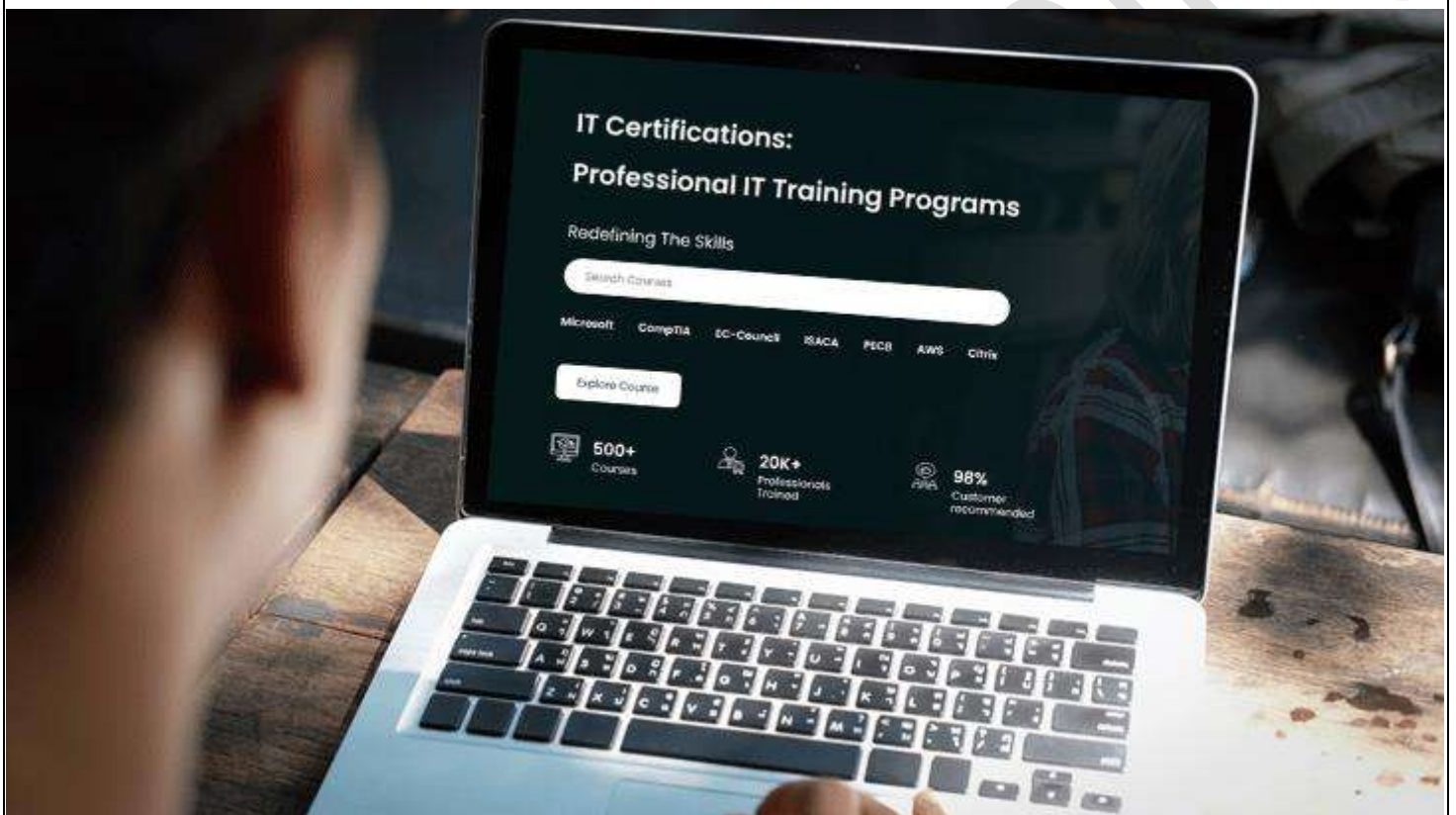# 55164: QUICK POWERFUL GRAPHICS WITH POWER VIEW, POWERPIVOT, POWER QUERY, POWER MAP AND POWER BI TRAINING

Duration: 2 Days

Course Description

The course is developed to teach participants the process of combining the functionality of Power Query, PowerPivot, Power View, and Power BI into Charts, graphs, reports, KPIs, and other visual information to use in a business environment.

This training is designed based on the objectives of the course variant 55164A.

Training Exclusives

- Live instructor-led interactive sessions with Microsoft Certified Trainers (MCT).
- Access to Microsoft Official Courseware (MOC).
- Real-time Virtual Lab Environment.
- Experience 24*7 Learner Support.
- Self-paced learning and flexible schedules.

Who should attend this course?

- The program is aimed towards business analysts, reporting professionals and BI developers.

What you will learn

- Navigating Power View interface.
- Utilizing Power View reports.
- Working with tables.
- Understanding aggregations.
- Utilizing matrix.
- Configuring drill through.
- Using cards as visualization.
- Applying filters.
- Creating charts.
- Utilizing tiles.
- Adding slicers to reports.
- Utilizing themes.
- Navigating the PowerPivot interface.
- Loading data.
- Examining and configuring relationships.
- Configuring calculated columns and fields.
- Creating PivotTables.
- Understanding and utilizing DAX.
- Using KPIs.
- Working with hierarchies.
- Managing perspectives.
- Navigating the Power Query interface.
- Loading data.
- Filtering data.
- Merging datasets.
- Managing modifications.
- Performing data cleaning.
- Navigating Power Map interface.
- Using Bing maps.

- Examining map data.
- Configuring tours, layers, and scenes.
- Adding time to a presentation.
- Navigating Power BI interface.
- Utilizing data sources.
- Understanding query with natural language.

Curriculum

Module 1: Course Overview

This module explains how the class will be structured and introduces course materials and additional administrative information.

- Introduction
- Course Materials
- Facilities
- Prerequisites
- What We'll Be Discussing

Lab: Course Overview

After completing this module, students will be able to:

- Successfully log into their virtual machine.
- Have a full understanding of what the course intends to cover.

Module 2: Power View

In this module, we will explore Power View and its capabilities, then briefly walk-through the types of reports available and how to format them.

- Exploring the Power View Interface
- Visualizing Power View Reports
- Working with Tables
- Understanding Aggregations
- Utilizing Matrix
- Configuring Drill Through
- Using Cards
- Applying Filters
- Creating Charts
- Examining Tiles
- Adding Slicers to Reports
- Theming Reports

Lab: Power View

- Power View Interface
- Working with Tables
- Aggregations
- Matrix
- Drill Through
- Cards
- Filters
- Charts
- Tiles
- Adding Slicers to Reports

After completing this module, students will be able to:

- Navigate the Power View interface.
- Utilize Power View reports.
- Work with tables.
- Understand aggregations.
- Utilize matrix.
- Configure drill through.
- Use cards as a visualization.
- Apply filters.
- Create charts.
- Utilize tiles.
- Add slicers to reports.
- Utilize themes.

Module 3: PowerPivot

In this module, we will explore PowerPivot and its capabilities, then briefly walk-through the options available and how to configure them.

- Exploring the PowerPivot Interface
- Loading Data
- Examining Relationships
- Configuring Calculated Columns and Calculated Fields
- Creating PivotTables
- Understanding DAX
- Utilizing DAX Functions
- Using KPIs
- Working with Hierarchies
- Managing Perspectives

Lab: PowerPivot

- Introduction to the PowerPivot Interface
- Importing Data
- Importing Large Datasets
- Importing Data with a Query
- Creating Relationships
- Creating a Cascading Relationship
- Hiding Columns, Change Data Type, Sorting, and Filtering
- Calculated Columns and Calculated Fields
- KPIs
- Hierarchies
- Perspectives

After completing this module, students will be able to:

- Navigate the PowerPivot interface.
- Load data.
- Examine and configure relationships.
- Configure calculated columns are calculated fields.
- Create PivotTables.
- Understand and utilize DAX.
- Use KPIs.
- Work with hierarchies.
- Manage perspectives.

Module 4: Power Query

In this module, we will delve into the benefits and features provided using Power Query. We will examine the options available within the ribbon, as well as explore and demonstrate importing, filtering, and merging data using Power Query.

- Exploring The Power Query Interface
- Loading Data
- Managing Modifications
- Examining Data Cleaning

Lab: Power Query

- Getting External Data
- Data Filtering
- Merging Datasets

After completing this module, students will be able to:

- Navigate the Power Query interface.
- Load data.
- Filter data.
- Merge datasets.
- Manage modifications.
- Perform data cleaning.

Module 5: Power Map

In this module we will explore Power Map and its capabilities.

- Exploring The Power Map Interface
- Using Bing Maps
- Examining Map Data
- Reviewing Map Types and Presentation

Lab: Power Map

- View Power Map in Action
- Geocoding
- Tours, Scenes, and Layers
- Adding Time

After completing this module, students will be able to:

- Navigate the Power Map interface.
- Use Bing maps.
- Examine map data.
- Configure tours, scenes, and layers.
- Add time to a presentation.

Module 6: Introduction to Power BI

In this module, we will explore the Power BI interface and walk-through the options available.

- Introducing Power BI
- Explaining Excel and Power BI
- Examining Data Sources
- Querying with Natural Language

Lab: Introduction to Power BI

- Introduction to Power BI
- Data Sources

After completing this module, students will be able to:

- Navigate the Power BI interface.
- Utilize data sources.
- Understand querying with natural language.

For any query Contact Us – Microtek Learning