Power Apps Developer

Course description:

The Power Apps Developer course is designed with comprehensive skills in developing, customizing, and integrating applications using Microsoft's Power Apps platform. This hands-on course is ideal for those who want to build custom business applications with low-code solutions.

Learning Objectives:

After completing this course, students will be able to:

- Understand the fundamentals of Microsoft Dataverse and manage customizations with solutions.
- Create, manage, and customize tables and columns in Microsoft Dataverse.
- Design and build model-driven and canvas-based Power Apps applications.
- Develop business rules and logic with calculated columns, rollup columns, and business process flows.
- Integrate Power Apps with Power Automate to automate business processes.
- Extend Power Apps functionality with client-side scripting, custom connectors, and plug-ins

Audience Prerequisites:

- Basic Understanding of Business Processes
- Technical Literacy
- Problem-Solving Skills
- Microsoft 365 Familiarity (Optional)
- Fundamental knowledge of Javascript/ Typescript/ Rest APIs/ SDKs and CLI concepts.

Audience Profile:

Participants will confidently develop business applications to streamline processes, improve workflows, and enhance operational efficiency. They will learn to create custom connectors and implement business logic without extensive reliance on traditional development. This skill set allows attendees to bring innovation and agility to their organizations by creating custom solutions that meet specific business needs.

Duration:

24 Hours (3 days)

Learning Path(LP)	Content
1.	Introduction to Microsoft Dataverse LP 1.1:Manage environments LP 1.2:Manage customizations with solutions
2.	Experiencing Data Model LP 2.1:Create and manage tables in Microsoft Dataverse LP 2.2:Create and manage columns in Microsoft Dataverse LP 2.3:Create relationships between tables in Microsoft Dataverse LP 2.4:Create and define calculated and rollup columns in Microsoft Dataverse LP 2.5:Define and create business rules in Microsoft Dataverse LP 2.6:Types of Power Apps
3.	Model Driven Application LP 3.1:Design and create model-driven apps LP 3.2:Configure forms LP 3.3:Configure views LP 3.4:Configure charts LP 3.5:Configure dashboards LP 3.6:Create business process flows
4.	Canvas Application LP 4.1:Get started with Power Apps LP 4.2:Understanding Low Code as a Traditional Developer LP 4.3:Customize a canvas app in Power Apps

	LP 4.4:Navigation in a canvas app in Power Apps LP 4.5:Power Fx formulas LP 4.6:Canvas components LP 4.7:Test your Power Apps application
5.	Integration of Power Apps with Power Automate LP 5.1:Introduction to Power Automate LP 5.2:Create Power Automate cloud flows LP 5.3:Integrate Power Apps with Power Automate Cloud Flows
6.	Extending the model-driven apps user experience LP 6.1:Performing common actions with client script LP 6.2:Testing with client script
7.	Extending Microsoft Dataverse LP 7.1:Introduction to Dataverse for developers LP 7.2:Create plug-ins
8.	Custom Connectors LP 8.1:Creation of Custom Connectors LP 8.2:Custom connectors with Power Apps