



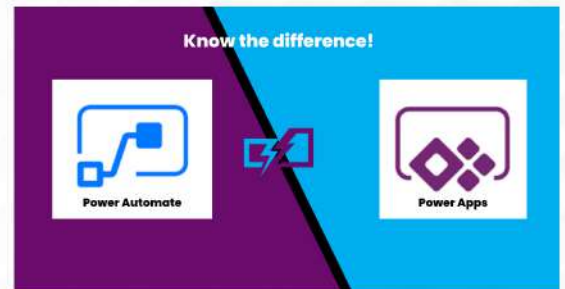
NEXT

IT CAREER

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Power Apps & Power Automate with AI



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About Next IT Career

Next IT Career Best Software Coaching Center in Hyderabad Corporate training is a function of human resource management that aims to provide the organization's employees with the knowledge and skills required to be successful. In turn, the growth of employees also contributes to the success of the business. In recent years, Its also seen as a long-term strategic assignment rather than a cost center for the organization. The majority of companies have embraced 'continual learning' in it to promote employee growth both professionally and personally and acquire a highly skilled workforce as a result.



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PHASE 1: POWER PLATFORM & SHAREPOINT FOUNDATION

MODULE 1: POWER PLATFORM INTRODUCTION

- Power Platform Introduction & Architecture
- Business Application Process
- Implement Business Application using Power Platform
- Power Platform Products
 - 1. Power Apps
 - 2. Power Automate
 - 3. Power BI
 - 4. Power Virtual Agent
 - 5. Power Pages
 - 6. Dataverse

MODULE 2: SHAREPOINT SOFTWARE OVERVIEW

- What is SharePoint – What is Data Source
- How to Open the SharePoint
- Types of Sites: Team Site, Communication Site
- What is List – Create a List in the Site
- Add the Columns to List – Data Types
- Insert, Update, Delete the Data in the List
- How to take the Site URL

PHASE 2: POWER APPS CORE

MODULE 3: POWER APPS SOFTWARE OVERVIEW

- Introduction to Power Apps – What is Power Apps
- Connectors – Types of Apps
 - 1. Canvas Apps
 - 2. Model Drive Apps
 - 3. Portal Apps
- Difference b/w Canvas Apps and Model Driven Apps
- Establishing Connections to Data Sources from Power Apps
- How to Connect to SharePoint – Types of Connectors
- How to Submit the Data to SharePoint from Power Apps

MODULE 4: POWER APPS USER INTERFACE (UI)

- Overview of Canvas Apps User Interface (UI)

PHASE 2: POWER APPS CORE (CONTINUED)

MODULE 5: BUILD AN APP USING CANVAS APP

- Create an App from the Blank Screen
- Create a Welcome Screen — Launch Function — Navigate Function
- Create an Icon to Connect to the Website from Canvas App
- Create a Call Icon to Contact Customer Care from Canvas App
- Create a Call Icon through WhatsApp

MODULE 6: FORMS

- What is a Form — Create a Form in Canvas App
- Connect to Data Sources — Add & Rearrange Fields
- Submit Form — Reset Form — Navigate between Screens
- Datacards / Fields — Star Visible — Error Message — Datacard Value
- Datacard Properties — Form Properties
- Form Types
 - 1. New Form
 - 2. Edit Form
 - 3. View Form

MODULE 7: OPERATORS IN CANVAS APP

- Arithmetic Operators — Comparison Operators
- Logical Operators — Special Operators

MODULE 8: FUNCTIONS IN CANVAS APP

- Text Functions: LEN, LOWER, UPPER, LEFT, RIGHT, MID
- PROPER, SUBSTITUTE, REPLACE, TRIM, VALUE, TEXT, CONCATENATE, SPLIT
- Number: ABS, MOD, POWER, SQRT, ROUND, ROUNDUP, INT, TRUNC, RAND
- Date & Time: TODAY, NOW, DATE, DAY, MONTH, YEAR, WEEKDAY
- DATE VALUE, DATE ADD, DATE DIFF, TIME VALUE
- Statistical: MAX, MIN, SUM, AVERAGE, COUNT, COUNTA, COUNTIF, COUNTROWS
- Navigation Functions: Navigate, Back, Exit

MODULE 9: VALIDATIONS & FORM CUSTOMIZATIONS

- Field Validations — Form Validations
- Forms Action: Items, OnSuccess, OnFailure, OnRest
- Hide Fields — Make Fields Mandatory — Display Values Automatically
- Change Default Controls — Change Height of Form Automatically

PHASE 3: ADVANCED POWER APPS

MODULE 10: VARIABLES

- Types of Variables
 - 1. Local Variables
 - 2. Global Variables
- Display User Name, Email, Image in all Screens using Variables

MODULE 11: USER LOGIN SCREEN

- Login User using Email and Password
- Login User using OTP Authentication
- Power Apps Integration with Power Automate

MODULE 12: COLLECTIONS

- Collect – ClearCollect – How to Clear the Collections
- Limitations of Collections
- Store SharePoint List Data in the Collection

MODULE 13: GALLERY

- Types of Galleries
 - 1. Vertical Gallery
 - 2. Horizontal Gallery
 - 3. Blank Vertical Gallery
 - 4. Blank Horizontal Gallery
 - 5. Flexible Height Gallery
- Gallery Properties
- Connect Gallery Data to Forms – Gallery Design – Grid View
- Navigate from One Screen to Another Screen using Gallery

MODULE 14: DATA TABLES, SEARCH & FILTER

- What is Data Table – Differences b/w Gallery and Data Tables
- Search Function – Search Data in Gallery using Search Function
- Filter Function – Filter Data in Gallery (Static & Dynamic)
- How to overcome the Delegation while filtering the Data

PHASE 3: ADVANCED POWER APPS (CONTINUED)

MODULE 16: COMPONENTS, CONTAINERS & SECURITY

- Local Components — Global Components — Advantages of Components
- Container Types: Container, Vertical Container, Horizontal Container
- Error Handling in Power Apps
- Different Levels of Security
 - 1. Environment Level Security
 - 2. Power Apps Frontend Level Security
 - 3. Data Source Level Security
- SharePoint Roles — Custom Roles — Custom Groups
- Dataverse Roles — How to Create Custom Roles — Level of Access

MODULE 17: ENVIRONMENTS, SOLUTIONS & DEPLOYMENT

- Types of Environments: Trial, Developer, Production, Sandbox
- Solutions: Managed, Un-Managed, Export Solutions, Import Solutions
- Deployment Pipeline — Moving Apps from Dev — Test — Prod
- Versioning — Restore Previous Versions — Import & Export Canvas Apps
- Upload Single / Multiple Attachments
- Multi Section Screen Forms — Tabbed Forms

PHASE 4: POWER AUTOMATE

MODULE 18: POWER AUTOMATE INTRODUCTION

- What are Workflows — What is Automation — What is Power Automate
- Types of Power Automate Flows
 - 1. Automated Cloud Flows
 - 2. Scheduled Cloud Flows
 - 3. Instant Cloud Flows
 - 4. Desktop Flows
- Creating Power Automate Account — SIGN IN

MODULE 19: TRIGGERS, ACTIONS & TEMPLATES

- Types of Triggers: Automated, Scheduled, Instant
- What is an Action — What the Actions Contains
- Templates: Automated, Scheduled, Instant Template Flows
- How to Create Flows using Templates

PHASE 4: POWER AUTOMATE (CONTINUED)

MODULE 21: VARIABLES & DATA OPERATORS

- Types of Variables: Initialize, Set, Increment, Decrement Variable
- Append to String Variable – Append to Array Variable
- Data Operators: Compose, Join, Select, Filter Array
- Create CSV Table – Create HTML Table – Parse JSON

MODULE 22: CONTROL STATEMENTS & JSON

- Control Statements: Condition (If), Switch, For Each, Do Until, Scope, Terminate
- What is JSON – Array – Object – Element
- How to Parse JSON in Power Automate
- String Functions – Date Time Functions – Array Functions

MODULE 23: WORKING WITH SHAREPOINT & DATAVERSE

- Create Items in SharePoint with Complex Data Type Columns
- Excel File Uploaded in OneDrive Insert Data into SharePoint List
- OData Filter Query and Large Data in SharePoint
- Insert Data into Dataverse with Complex Data Type Columns
- OData Filter Query and Fetch XML – Large Data in Dataverse
- Parent Flows & Child Flows – Call Child Flows in Parent Flows
- XRM Tool Box – How to use in Power Apps & Power Automate

MODULE 24: APPROVALS, CONNECTORS & LICENSES

- Types of Approvals
 - 1. Single Level Approval (Manager)
 - 2. Multi-Level Approvals (Team Lead, Manager & HR)
- Wait for Approval – Auto Approve – Assign Approvals to another User
- Standard Connectors vs Premium Connectors
- Custom Connector API – How to Connect to different APIs
- Gateway & On-Premises System Connection
- Licenses: Per Flow, Per User (Premium) – Action Settings

PHASE 5: INTEGRATION, AI FEATURES & ADD-ONS

MODULE 25: POWER APPS INTEGRATION

- SharePoint List Customization using Power Apps
- Power BI Integration with Power Apps
- Power Apps Integration with Power Automate (Pass values)
- Power Apps Integration with Power Automate Advance (Deep linking)

MODULE 26: POWER AUTOMATE INTEGRATION

- Refresh the Power BI Reports Automatically
- PBI Data Export to Excel – PBI Data Export to PDF
- PBI Large Data Handling using Power Automate
- Regular Expressions (RegEx) using Excel

MODULE 27: AI FEATURES WITH POWER PLATFORM

- Introduction to AI & LLM
- Understanding AI Model
- Understanding AI Builder Credits, Tokens and Capacity Pack
- Working with AI Models (Prebuilt & Custom)
- Brief Introduction to Prompt Engineering
- Working with AI Prompts
- Using Copilot for PowerApps to Design App (generate table & code)
- Using Copilot to Generate Functions through Prompts & Comments
- Barcode Reader – Object Detector – Text Recognizer
- Vibe Coding with PowerApps Vibe

MODULE 28: POWER BI OVERVIEW

- What is Power BI – Who will use the Power BI Software
- Data Analysis Process / Business Intelligence Process
- Power BI Products
 - 1. Power BI Desktop
 - 2. Power BI Service
- What are Visuals, Reports, Datasets
- Flow of Work in Power BI Desktop

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