

Copilot Studio

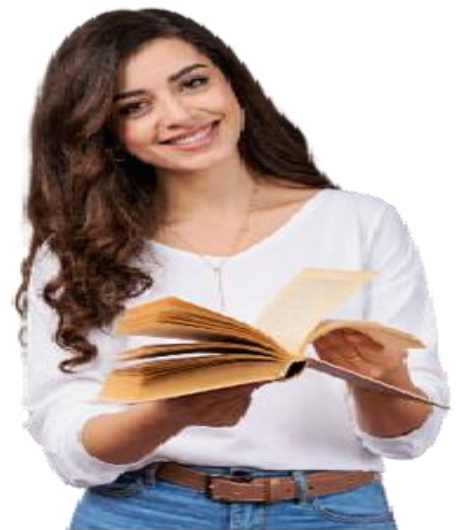
 **Mr. Vijay [12+ Years of IT Exp, Currently Working]**

 **30-35 hours (Normal Track), Daily 1 hour**

 **Rs. 12,000, USD allowed**

 **Multiple timings available**

 **Other Modes:**
Fast Track / 1 on 1 / Customized/ Self-Paced Videos



• **Real-Time Working**

• **Detailed Subject**

• **Interview Suitable**

INSTITUTE PROVIDES

Section	Focus
Part 1	AI & Copilot Studio Fundamentals
Part 2	Agent & Conversation Development
Part 3	Generative AI & Advanced Orchestration
Part 4	Knowledge, Grounding & RAG
Part 5	Dataverse, Tools & Automation
Part 6	APIs, MCP & External Systems
Part 7	Multi-Agent Architecture
Part 8	Security, Governance & Responsible AI
Part 9	Testing, Analytics & Optimization
Part 10	Publishing, ALM & Production
Part 11	Capstone Project
Part 12	Interview Preparation

MODULE 1 – AI & Copilot Studio Fundamentals

Day 1 – Intro to AI Agents & Copilot Studio

- Artificial Intelligence Fundamentals
- Generative AI
- LLM Fundamentals
- AI Agents
- AI Agents vs Chatbots
- Microsoft Copilot Studio
- Copilot Studio Use Cases
- Copilot Studio Architecture
- Agent Components
- Employee Service Agent Architecture

Day 2 – Agent Configuration & Instructions

- Agent Instructions
- Agent Behavior
- Agent Personality
- Conversation Starters
- Response Instructions
- Scope of Agent
- Agent Settings
- Test Pane
- Agent Configuration Best Practices

MODULE 2 – Topics & Conversational Design

Day 3 – Topics & Trigger Phrases

- Trigger Phrases
- Topic Creation
- Topic Authoring
- Message Nodes
- Conversation Flow
- Topic Testing
- Topic Naming Standards

Day 4 – Questions, Variables & User Inputs

- Question Nodes
- User Input
- Variables
- Text Variables
- Number Variables
- Date Variables
- Choice Variables
- Entity Recognition
- Input Validation

Day 5 – Conditions & Branching

- Conditions
- If/Else
- Branching
- Multiple Conversation Paths
- Variable-Based Conditions
- Validation
- Error Handling

Day 6 – Adv Topics & Conversation Context

- Multi-Turn Conversations
- Context
- Conversation Variables
- Topic Variables
- Passing Information
- Topic Redirection
- Reusable Topics
- Calling Topics
- Conversation Context

Day 7 – System Topics, Fallback & Human Escalation

- System Topics
- Greeting
- Goodbye
- Conversation Start
- Fallback
- Error Handling
- Escalation
- Human Handoff
- End Conversation

MODULE 3 – Generative AI & Orchestration

Day 8 – Generative AI & Generative Answers

- Generative AI
- Generative Answers
- Natural Language Understanding
- AI-Generated Responses
- Grounding
- Generative AI Configuration
- AI Response Behavior

Day 9 – Generative Orchestration

- Generative Orchestration
- AI-Based Intent Understanding
- Topic Selection
- Knowledge Selection
- Tool Selection
- Dynamic Planning
- Multi-Step Actions
- Classic vs Generative Orchestration

Day 10 – Advanced Conversational AI

- Natural Language Understanding
- Ambiguous Questions
- Follow-Up Questions
- Context Awareness
- Multi-Turn Conversations
- Conversation Memory
- Dynamic Responses
- Conversational AI Best Practices

MODULE 4 – Knowledge & RAG

Day 11 – Knowledge Sources & Generative Answers

- Agent Knowledge
- Knowledge Sources
- Generative Answers
- Grounding
- RAG Fundamentals
- Knowledge Retrieval
- Knowledge Configuration

Day 12 – Documents & Website Knowledge

- PDF Knowledge
- Word Documents
- Excel Files
- Website Knowledge
- Multiple Knowledge Sources
- Knowledge Testing
- Knowledge Management

Day 13 – SharePoint & Dataverse Knowledge

- SharePoint Knowledge
- Dataverse Knowledge
- Structured Data
- Business Data
- Knowledge Permissions
- Enterprise Knowledge

Day 14 – RAG Optimization & Hallucination Control

- RAG Architecture
- Retrieval
- Grounding
- Knowledge Relevance
- Source Descriptions
- Citations
- Hallucination
- Improving Answer Quality
- Knowledge Optimization

MODULE 5 – Dataverse, Tools & Agent Flows

Day 15 – Dataverse Integration

Dataverse Fundamentals
Tables
Columns
Relationships
Lookups
Records
Agent + Dataverse
Data Retrieval

Day 17 – Agent Flows

Agent Flows
Flow Trigger
Inputs
Outputs
Agent Flow Integration
Dataverse Actions
Create Record
Update Record
Retrieve Record
Error Handling

Day 16 – Tools & Actions

Tools
Actions
Built-in Tools
Custom Tools
Connectors
Tool Inputs
Tool Outputs
Tool Descriptions
Calling Tools from Agent

Day 18 – Business Process Automation

Business Automation
Approvals
Notifications
Dataverse Updates
Email Integration
Teams Notifications
Automated Business Processes
Agent + Flow Architecture

MODULE 6 – Advanced Integrations

Day 19 – Connectors & External Systems

- Connectors
- Standard Connectors
- Premium Connectors
- SharePoint
- Outlook
- Teams
- SQL
- APIs
- HTTP
- External System Integration

Day 21 – MCP Server & Tool Integration

- MCP Server Connection
- MCP Tool Discovery
- MCP Tool Configuration
- MCP Authentication
- MCP Inputs/Outputs
- MCP Error Handling
- MCP Security
- Enterprise MCP Scenarios

Day 20 – MCP Fundamentals

- Model Context Protocol
- MCP Architecture
- MCP Client
- MCP Server
- MCP Tools
- MCP Resources
- MCP Use Cases
- CP vs Connectors
- MCP Security

MODULE 7 – Multi-Agent Architecture

Day 22 – Multi-Agent Concepts

- Single Agent vs Multi-Agent
- Multi-Agent Architecture
- Parent Agent
- Child Agent
- Specialized Agent
- Connected Agents
- Agent Delegation
- Agent Orchestration

Day 23 – Specialized Agents & Agent Collaboration

- Specialized Agents
- Agent Responsibilities
- Connected Agents
- Agent Delegation
- Agent-to-Agent Communication
- Context Passing
- Multi-Agent Workflows

MODULE 8 – Security, Authentication & Governance

Day 24 – Authentication & Security

- Authentication
- Microsoft Entra ID
- User Authentication
- Anonymous Access
- Authentication Configuration
- Dataverse Security
- SharePoint Security
- User Permissions
- Role-Based Access

Day 25 – Governance & Responsible AI

- Copilot Studio Governance
- Environment Governance
- DLP Policies
- Data Policies
- Connector Policies
- Responsible AI
- Prompt Injection
- Data Leakage
- Access Control
- Compliance
- Enterprise Governance

MODULE 9 – Testing, Evaluation & Analytics

Day 26 – Testing & Debugging

- Agent Testing
- Test Cases
- Test Conversations
- Debugging
- Activity Tracing
- Topic Debugging
- Tool Debugging
- Knowledge Debugging
- Error Handling
- Troubleshooting

Day 27 – Evaluation & Analytics

- Agent Evaluation
- Evaluation Criteria
- Test Sets
- Accuracy
- Relevance
- Groundedness
- Response Quality
- Conversation Analytics
- Engagement
- Resolution Metrics
- Failed Conversations
- User Feedback

MODULE 10 – Deployment, ALM & Capstone

Day 28 – Publishing & Channels

- Publishing Agents
- Publish Lifecycle
- Demo Website
- Custom Website
- Microsoft Teams
- Microsoft 365 Copilot
- Channel Configuration
- Authentication by Channel
- Deployment Considerations

Day 29 – Solutions, ALM & Production Deployment

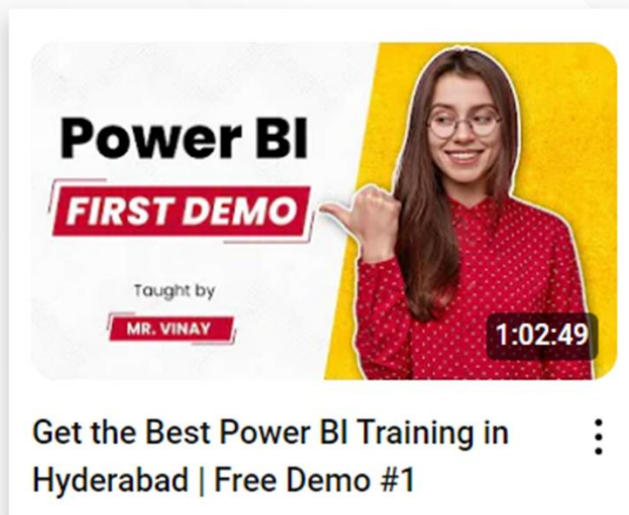
- Solutions
- Unmanaged Solutions
- Managed Solutions
- Environment Strategy
- Development
- Test
- Production
- Solution Import/Export
- Version Management
- ALM
- Deployment Strategy
- Production Readiness

MODULE 11 – Final Capstone Project & Interview Preparation

Day 30 – End-to-End Capstone Project & Interview Preparation

- Business Requirement Analysis
- Solution Architecture
- Agent Architecture
- Knowledge Architecture
- RAG
- Topics
- Generative AI
- Generative Orchestration
- Dataverse
- Tools
- Agent Flows
- MCP
- Multi-Agent Architecture
- Authentication
- Security
- Governance
- Testing
- Evaluation
- Analytics
- Deployment
- Production Readiness
- Project Documentation
- Scenario-Based Interview Questions
- Real-World Copilot Studio Interview Questions

A Big Thank you



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