



AGENTIC AI DEVELOPMENT WITH GOOGLE ADK AND PYTHON

Course ID : GOO-ADK



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Duration: 1 Day

(6 Hours) 09:00 AM – 04:00 PM



Price: Call

* In-house training only

* Eligible for 200% tax deduction



Training Schedule

www.9experttraining.com

Category: Artificial Intelligence, Development

This course is designed for those who want to understand and build Agentic AI systems using Google ADK and Python. Learn how to design agents that can plan, take action, and communicate with each other in a multi-agent system. Practice through hands-on workshops to develop technical skills and apply them to real-world work, while strengthening your understanding of strategy and automated decision-making.

Objectives

1. Build foundational understanding of Agentic AI.
2. Learn how to use Google ADK and Python to develop agents.
3. Design and build multi-agent systems that can work together.
4. Evaluate and improve the performance of an Agentic System.
5. Apply Agentic AI so it can be used in real work.
6. Develop technical and strategic skills through hands-on workshops.

Target Audience

1. Students, software developers, and engineers interested in AI work.
2. Anyone who wants to apply Agentic AI for strategic decision-making.
3. Entrepreneurs and EdTech platform developers.

Prerequisites

1. Basic knowledge of programming with Python.
2. Ability to use Visual Studio Code.
3. Understanding of basic concepts of automation.

System Requirements

1. Windows 10 / 11 or macOS
2. Visual Studio Code
3. Google API Key (provided by the institute)

TRAINING TOPICS

1. Agentic AI vs Traditional AI

- Learn the differences between Traditional AI and AI that can act on its own (Agentic AI).

2. Agentic AI Ecosystem

- An overview of the Agentic AI ecosystem and its components.

3. AI Agent Framework

- Learn the structure and frameworks used to build an AI Agent.

4. Google ADK + Simple Agent Workshop

- Build a simple agent using Google ADK.

5. Multi-Agent System

- How multiple agents collaborate, including:
 - Orchestrator: the coordinator that handles instructions from the user.
 - Planner Agent: an agent responsible for planning.
 - Executor Agent: an agent responsible for execution.
 - Memory Agent: an agent responsible for memory.
 - External Tools / APIs: connecting to external tools and APIs.

6. AI Agents Evaluation

- An overview of the Agentic AI ecosystem and its components.

7. Agentic AI Use Cases

- Real-world examples of Agentic AI use cases across different domains.

8. Workshop: Agentic AI

- Hands-on practice with Agentic AI — a full end-to-end loop.



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