**5-Day Full-Time AI Awareness & Development Course**

**Target Audience:** Middle management, tech-curious professionals  
**Goal:** By the end, participants can **conceptualize, design, and deploy their own basic AI agents** for real-world tasks.

**Day 1 – Foundations of AI**

**Theme:** Awareness, Context, and Strategic Relevance

* **Morning:**
  + What is AI? Key concepts & history
  + Types of AI: Narrow, General, and Generative AI
  + Overview of Machine Learning, Deep Learning, NLP
  + AI in business: case studies across industries
* **Afternoon:**
  + AI myths & realities
  + Strategic opportunities for AI in organizations
  + Hands-on: Exploring ChatGPT, Claude, Gemini, and Copilot
* **Outcome:** Participants can identify where AI fits in their organization

**Day 2 – Understanding AI Agents**

**Theme:** How AI Agents Work & Their Building Blocks

* **Morning:**
  + What is an AI Agent?
  + Agent architecture: perception, decision, action
  + Large Language Models (LLMs) explained simply
  + Tools & frameworks (LangChain, CrewAI, AutoGen, OpenAI API, Microsoft Semantic Kernel)
* **Afternoon:**
  + Prompt engineering & chain-of-thought prompting
  + Hands-on: Building a “single-task” AI assistant using ChatGPT API or no-code platforms (e.g., Flowise, Pipedream)
* **Outcome:** Participants can design a basic prompt-driven agent

**Day 3 – AI Agent Development (No-Code to Low-Code)**

**Theme:** From Theory to Practical Building

* **Morning:**
  + Connecting APIs to AI models
  + Integrating knowledge bases (PDFs, web scraping, vector databases like Pinecone or Chroma)
  + Basics of RAG (Retrieval Augmented Generation)
* **Afternoon:**
  + Hands-on: Build a knowledge-driven Q&A bot for your company data
  + Deploy on a simple interface (web page, chatbot, Slack, or WhatsApp)
* **Outcome:** Participants can build a functional knowledge-based AI agent

**Day 4 – Multi-Agent Systems & Automation**

**Theme:** AI Agents That Work Together

* **Morning:**
  + Multi-agent workflows — when & why to use them
  + Task decomposition & autonomous reasoning
  + Real-world examples (customer service, market research, report generation)
* **Afternoon:**
  + Hands-on: Create a multi-agent setup where one agent researches, another summarizes, and another generates a presentation
* **Outcome:** Participants can orchestrate multiple AI agents for complex workflows

**Day 5 – Ethics, Deployment, and Final Project**

**Theme:** Responsible AI & Showcasing Work

* **Morning:**
  + AI ethics, bias, and compliance (local & global perspectives)
  + Security and data privacy
  + Cost control & scaling AI projects
* **Afternoon:**
  + **Capstone Project:** Build and present an AI agent solving a real or simulated business problem relevant to their field
  + Feedback & improvement tips
* **Outcome:** Each participant leaves with a functional AI agent, a deployment link, and a clear roadmap for future learning

**Learning Methodology:**

* 40% Awareness & conceptual learning (presentations, discussions)
* 60% Practical hands-on labs
* Real-world examples tailored to industries participants come from