

Training – Building AI Agents and Automating Workflows with n8n

Module 1 – Introduction to Automation and AI Agents

- Definition and Principles of Automation
- Difference Between Traditional Automation and Intelligent Automation
- Role of AI Agents in Business Processes
- Practical Use Cases: Customer Service, Marketing, Human Resources, IT, and Data Management
- Overview of the No-Code and Low-Code Ecosystem
- Workshop: Collaborative Analysis of Repetitive Tasks That Can Be Automated

Module 2 – Introduction to n8n

- General Overview of the n8n Platform
- Architecture: Nodes, Workflows, and Triggers
- Positioning n8n Compared with Zapier and Make
- Key Advantages: Open Source, Self-Hosting, and Flexibility
- Examples of Automations Built with n8n
- Workshop: Demonstration of a Basic Workflow

Module 3 – Getting Started with n8n

- Exploring the User Interface
- Creating and Structuring a Workflow
- Trigger Types: Webhook, Cron, and Manual
- Managing Executions and Analyzing Logs
- Introduction to Error Handling
- Workshop: Building the “Hello Automation” Workflow
- Workshop: Manual Trigger and Automated Action, Such as Sending a Message or Creating a File

Module 4 – Introduction to AI Agents in n8n

- Difference Between an AI Agent and a Traditional API Call
- Overview of Available AI Modules: OpenAI, LLM, AI Agent, and Others
- Prompting Fundamentals
- Managing Context and Instructions
- Workshop: Creating a Simple AI Agent
- Analyzing and Rephrasing a User Request
- Generating an Appropriate Response

Module 5 – Creating an Autonomous AI Agent

- Defining the Role, Objectives, and Constraints of an AI Agent
- Structuring Actions and Decision-Making Logic
- Implementing Contextual or External Memory
- Connecting to External Tools: APIs, Databases, and Third-Party Services
- Workshop: Designing an Autonomous AI Agent
- Receiving and Interpreting a User Request
- Automatically Selecting the Appropriate Action
- Executing the Corresponding Automation