



# **Agentic AI with No-Code Tools**

#### Introduction

Agentic AI with No-Code Tools is about building intelligent, automated systems (AI agents) that can perform tasks, make decisions, and interact with users — all without writing traditional code. Using no-code platforms like n8n, creators can design workflows visually, connect APIs, add memory and reasoning capabilities, and integrate AI models such as OpenAI or Gemini. This approach empowers non-developers to build powerful, customized AI-driven automations — like chatbots, research assistants, or business process agents — combining AI reasoning with automation, data connections, and user interaction.

### **CURRICULUM:**

Sr. No.	Contents
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1	<ul> <li>Foundations — What is Agentic AI, No-Code Tools &amp; Terminology</li> <li>What's an "agent" vs a workflow vs automation vs chatbot</li> <li>Key components: goal, task, tools/APIs, memory, branching/decision making, input/output</li> <li>Introduction to no-code tools: overview of n8n (cloud / hosted), exploring the UI</li> <li>Walkthrough of "Build an AI chat agent with n8n" tutorial: basic workflow, agent node, memory, chat</li> <li>Assignment: sign up for n8n, build a very simple agent: respond to a fixed prompt ("What's the weather today?") using a test model</li> </ul>
2	<ul> <li>Learning Prompting, Model Selection &amp; Memory</li> <li>Writing good prompts: clarity, context, roles, giving examples (few-shot)</li> <li>Choice of AI model providers: OpenAI, Google Gemini etc, trade-offs</li> <li>Using memory: how to store prior messages, context so conversations "remember" previous questions.</li> <li>Lab: Build a chat flow that remembers user's name and previous preferences; test with multiple inputs.</li> </ul>
3	<ul> <li>What tools are: APIs, HTTP requests, external data sources (news, weather etc), database access</li> <li>How to connect APIs in n8n: HTTP node, webhook, credential setup</li> <li>Example: Use AI Agent + HTTP Request to fetch current data (weather, stock, etc.) and have the agent integrate that in response.</li> <li>Assignment: Build a flow where user asks about "latest news in X topic"? agent fetches news via API? summarizes and replies.</li> </ul>

4	<ul> <li>Branching &amp; Conditional Logic, Tool Choices</li> <li>Decision nodes / branching: if-then logic in workflows (if user says "help" do this, else that)</li> <li>Handling "unknown" inputs or failure modes (API fails etc)</li> <li>Basic error handling and fallback logic: retry, default response etc</li> <li>Lab: Create workflow with conditional branches; e.g. if user asks for "report", do one path; if for "summary", do another; if error, fallback.</li> </ul>
5	<ul> <li>Persistence &amp; Long-Term Memory</li> <li>What is long-term / persistent memory vs session memory</li> <li>How to store data: Files / databases / spreadsheet / nocode DB (e.g. Airtable, Google Sheets)</li> <li>Fetching the past data and using it in new agent responses</li> <li>Lab: Agent that tracks user's preferences over time (say favorite topics), stores in a sheet or DB, and personalizes answers accordingly.</li> </ul>
6	<ul> <li>Creating Multi-Step Workflows / Chaining Agents</li> <li>Multi-step workflows: breaking down tasks (e.g. user asks for research report? agent fetches sources? agent summarises? agent formats)</li> <li>Chaining: having multiple nodes/agents involved in a flow</li> <li>Best practice: clear handoffs, naming, monitoring intermediate results</li> <li>Lab: Build a multi-step flow (source? summarise? format output) using n8n agent + external tool(s).</li> </ul>

7	<ul> <li>Agent Teams / Multiple Agents (Orchestration)</li> <li>What is multi-agent / agent team: specialized agents (e.g. reporter, verifier, summariser etc)</li> <li>Orchestrator / manager agent: which agent decides which sub-agent to call based on user intent</li> <li>Using separate workflows calling other workflows / using webhooks etc to simulate multiple agents</li> <li>Lab: Build two or more "mini-agents" (e.g. one fetches info, one formats, one checks), and orchestrate via a manager agent or a master workflow in n8n.</li> </ul>
8	<ul> <li>Safety, Guardrails &amp; Ethical Use</li> <li>Why safety: ensuring responses are appropriate, privacy, abusive user inputs, hallucinations</li> <li>Guardrails: content policy, filters, human approval, moderation nodes</li> <li>Handling sensitive data, GDPR / privacy compliance basics</li> <li>Lab: Add guardrail node: if user requests something sensitive, agent responds with disclaimer or routes to human; test various edge cases.</li> </ul>
9	<ul> <li>Observability &amp; Testing</li> <li>Logging: capturing user inputs, tool calls, responses; tracing flow execution</li> <li>Metrics: response time, correctness, user feedback etc</li> <li>Testing flows: simulate inputs, check outputs, test edge cases</li> <li>Lab: Instrument one workflow with logs; test with various inputs; produce simple report of "how many tasks succeeded / failed".</li> </ul>

	Integrations with Business Tools & Automation
10	<ul> <li>Integrations: connecting with business tools (CRM, email, spreadsheets, Slack etc) using no-code connectors</li> <li>Automating business workflows: lead generation, notifications, report emailing etc</li> <li>Lab: Build a flow: when new lead comes in (spreadsheet / form), agent processes lead info, sends notification, stores data, maybe summarises lead to email.</li> </ul>
	Deployment, Sharing & Scaling Workflows
11	<ul> <li>Deploying workflows / agents: saving, versioning, sharing in n8n</li> </ul>
	<ul> <li>Trigger types: webhooks, scheduled flows vs event- driven</li> </ul>
	<ul> <li>Handling scale: rate limits, model usage cost, workflow optimization</li> </ul>
	<ul> <li>Lab: Publish a workflow/agent, connect to form / webhook, schedule periodic tasks, monitor usage or rate.</li> </ul>
	Final Project & Showcase
	<ul> <li>Pick a capstone no-code project, examples:</li> <li>News Intelligence Agent: collects news,</li> </ul>
12	categorizes, sends summary email / Slack  Personal Productivity Agent: tracks schedule,
	reminds, looks up info, formats summary
	<ul> <li>Customer Support Agent: triages queries via form, answers common FAQs, escalates unusual ones to human</li> </ul>
	<ul> <li>Multi-agent content creation: research article + summary + formatting + SEO check</li> </ul>
	<ul> <li>Build the full agent / workflow — multi-step, integration, memory, safety, testing.</li> <li>Present project: showcase architecture, live demo,</li> </ul>
	challenges, improvement ideas.

# **Learning Outcomes:**

 Build functioning agents / workflows, multi-agent setups, dashboards, automation, deploy/sharing.

#### **Course Benefits:**

- learn to build powerful AI systems visually using drag-and-drop tools like n8n.
- Create real Al agents, workflows, and automations step by step.
- Gain experience integrating APIs, AI models, and data sources.

# **Skill-Wise Earnings:**

Skill Level	Avg Monthly Salary
Junior	75k-100k
Mid-Level	100k - 170k
Advanced	250k- 450k
Freelancer	Earn in millions

### **Affiliation & Collaboarations**



