



**Build with AI:**

**VIBE  
CODING**



**Automate with n8n, Develop with Vibe Coding**

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裝備未來  
FutureSkills

Stop typing. Start architecting.

Build intelligent n8n workflows—no coding required. Then shift to vibe coding: prompt-driven development from blank screen to live app. Zero manual edits.

Duration

6 Hours

Medium

Cantonese (supplemented with English terminology and handouts)

Course fee

Depends on number of participants, duration, venue and course content

## Course Objectives

- **Build automated workflows** in n8n that connect APIs, transform data, and integrate AI nodes for intelligent decision-making—**without writing code**
- **Develop and deploy full-stack applications using pure prompt-driven development (vibe coding)**—from blank screen to live URL with zero manual edits
- Combine automation + AI development to create complete solutions: n8n for backend data flows, vibe coding for frontend interfaces, connected through APIs

## Target Audience

**Developers, IT professionals, digital transformation practitioners and entrepreneurs** who want to:

- Automate workflows without coding (n8n)
- Build applications with AI—without manual typing (vibe coding)

## Enquiry / Enrolment

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## Course Outline

### Part I. n8n Workflow Automation

#### 1. Introduction to n8n & Core Concepts

- **The Automation Landscape:** n8n's node-based interface vs. other tools
- **Core Mechanics:** Triggers, action nodes, credentials, and JSON data flow
- **First Workflow:** Webhook/Schedule → route data → Slack/Email

#### 2. Integrations, APIs & Data Transformation

- **Connecting Anything:** HTTP Request nodes and REST API integration
- **Data Manipulation:** Work with JSON, lists, and binary data
- **Logic & Routing:** Switch nodes, IF conditions, and branching logic
- **Activity:** Build a Lead Routing Pipeline—catch form webhook, evaluate data, route to CRM

#### 3. Advanced n8n & AI Capabilities

- **Smart Nodes:** AI actions and Model Context Protocol (MCP) in n8n
- **Code-Free Scripting:** "Ask AI" in JavaScript nodes to auto-generate transformations
- **Resilience & Error Handling:** Error handling, retry strategies, and catch-up webhooks
- **Morning Challenge:** Add AI sentiment analysis + personalised response to Lead Routing Pipeline

### Part II. Vibe Coding: From Manual Coding to AI-Native Development

#### 4. The Paradigm Shift & The "Vibe" Setup

- **What is "Vibe Coding"?:** "Forgetting code exists" vs. agentic engineering
- **Your New Role:** From doing the work to managing AI
- **Context Window Economy:** How LLMs read your project (tokens, limits, memory)
- **Demo:** 10-min Pomodoro Timer with Bolt.new—zero manual edits + Replit/Bolt setup
- **Hello World 2.0:** Prompt "Flask app with dark-mode UI" instead of manual boilerplate

#### 5. Prompt Engineering & Core Dev Loop

- **The S.C.R.E.A.M. Framework:** Scope, Context, Requirements, Examples, Avoid, Mode
- **Exercise 1: Spec-First Design:** Draft Expense Tracker PRD (schema, endpoints, components)—code later
- **Exercise 2: Iterative Development:** Database Setup (SQLite/Postgres schema) → Backend CRUD endpoints → Frontend dashboard
- **Handling "Vibe Breakers" (Errors):** Error recovery with "Act as Senior Debugger" prompts

#### 6. Deployment & The Hackathon

- **Sanity Check:** AI code review for security + performance
- **Connecting to the World:** Prompt external API integration (stocks, weather)
- **One-Click Live:** Replit Deploy / Vercel → public URL
- **Final Challenge: "The 15-Minute Hackathon":** Build a random tool (QR Generator, Time Zone Converter) from scratch and share URL