



# n8n Automation Course Details

## ◆ Course Overview

This course teaches you how to automate tasks, connect apps, and build workflows using n8n, a powerful open-source automation tool.

You will learn how to create automation without coding, integrate APIs, and build real business automation systems.

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## 📘 What You Will Learn

### 1. Introduction to Automation

- What is automation?
  - No-code vs low-code tools
  - Overview of n8n
  - Self-hosted vs cloud version
  - Use cases (business, marketing, IT)
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### 2. Getting Started with n8n

- Creating an n8n account
  - Understanding nodes, triggers & workflows
  - Editor UI walkthrough
  - Running first automation
  - Workflow execution logs
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### 3. Core n8n Concepts

- Triggers (Schedule, Webhook, Cron, Email, etc.)
- Action nodes
- Data transformation



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- Using expressions
  - Binary data handling
  - Error handling & retries
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## 4. Working With APIs

- What is an API?
  - OAuth2 & API keys
  - Making API requests in n8n
  - Using the HTTP Request node
  - Connecting third-party services
    - Google Sheets
    - Notion
    - WhatsApp
    - Telegram
    - Slack
    - Stripe
    - OpenAI
    - CRMs & databases
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## 5. Integrations

- Email automation
- Google Workspace automation
- Social media automation
- File management (Drive, Dropbox, S3)



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- CRM automation (HubSpot, Zoho, etc.)
  - Database integrations (MySQL, Postgres, MongoDB)
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## 6. Advanced Workflow Building

- Looping & conditional logic
  - IF, Switch, Merge, Split nodes
  - Variables & expressions
  - Data mapping
  - Using Webhooks
  - Handling big data
  - Multi-step automation
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## 7. Deploying & Self-Hosting n8n

- Installing n8n on Windows/Linux
  - Docker installation
  - Running n8n on VPS
  - Using n8n with SSL (HTTPS)
  - Creating backup & maintenance
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## 8. Automation Best Practices

- Workflow naming and organization
- Error alerts & monitoring
- Optimization techniques
- Secure handling of sensitive data



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## Projects You Will Build

### Beginner

- Auto-email sender
- Google Sheet data updater
- Auto file uploader

### Intermediate

- WhatsApp message automation
- Lead management system
- API data fetch & store workflow

### Advanced

- Full CRM automation
  - Payment + email + sheet workflow
  - AI chatbot automation using OpenAI
  - Complete business automation system
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## Course Duration

- 2 to 4 weeks (depending on practice)
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## Who Can Join

- Beginners
- Digital marketers
- Entrepreneurs
- Developers



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- Automation enthusiasts
  - Businesses wanting to automate tasks
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## Tools Covered

- n8n Cloud & Desktop
- Docker
- REST APIs
- Google Workspace
- Postman (API testing)