

N8N Basic to Advance

ALL TOPIC COVER



What is n8n?

n8n is an AI + Automation platform that allows you to connect apps, websites, AI tools, and APIs to run tasks automatically — with little or no coding.



Simple Definition

n8n is a tool that does your work automatically.
You give steps → n8n follows them and completes the task



Technical Definition

- ▶ n8n is a workflow automation and integration system that uses:
 - Nodes (steps)
 - Triggers (start points)
 - Actions (tasks)
 - AI logic (decisions)to execute processes automatically.

⚙️ How n8n Works (Formula)

Trigger → Logic/Processing → Action/Output

Example:

- Trigger: New WhatsApp or Telegram message arrives
- Logic: AI reads and understands the message
- Action: Auto reply and save data to Google Sheets

Why N8N IS IMPORTANT

- ▶ You use **n8n** because it helps you automate tasks, connect apps, and run AI workflows **without manual work and without heavy coding.**
- ▶ It saves time, reduces effort, and performs tasks automatically like a digital worker.
- ▶ **⭐ Simple Answer**
- ▶ We use n8n to automate work so tasks happen automatically instead of doing them manually.



What is workflow

- ▶ A workflow in n8n is a sequence of steps that run automatically to complete a task.
It connects triggers, logic, and actions so work happens without manual effort.
- ▶ **Why Workflows Are Important**
- ▶ ✓ Save time
 - ✓ No manual work
 - ✓ No coding needed
 - ✓ Runs 24/7 automatically

★ Simple Definition

A **workflow** = a chain of steps that start with an event and end with a result.

Start



Process



Result



What is AI Agent

- ▶ An AI Agent is an automated system that uses Artificial Intelligence to understand, think, decide, and take actions on its own inside a workflow or automation.

★ Simple Definition

An AI Agent is an intelligent automation that reads input, understands it, decides what to do, and performs actions automatically.

★ AI Agent Formula

Input → Understand → Decide → Take Action

What is Node

★ Simple Definition

A node is a single step in a workflow that performs one specific action.

⚙ What a Node Does

- Receive data
- Process data
- Make decisions
- Send output or message
- Connect to APIs or apps
- Trigger AI responses

★ What is Automation

- ▶ Automation means doing a task automatically without human effort, using systems, software, or AI that follow predefined rules or logic.
- ▶ In n8n, automation means:
 - You set the steps once
 - n8n keeps doing the work again and again by itself
- ▶ ★ **Simple Definition**

Automation is the process of completing tasks automatically without manual work.