



# STUDYBAY TECHNOLOGIES PRIVATE LIMITED

#startupindia  
RECOGNIZED

## AI AUTOMATION COURSE



n8n



Gemini



WhatsApp



Enroll Now

₹ 15000 /-

Total Duration: 32 hours



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# Why you should learn AI Automation



## IMPORTANCE OF LEARNING AI AUTOMATION

### 1. Stay Relevant

AI automation future-proofs your skills against job displacement.

### 2. Work Smarter

It handles repetitive tasks so you can focus on what matters.

### 3. Scale Fast

Automation lets one person do the work of ten.

### 4. Cut Costs

AI reduces errors, time, and operational overhead.

### 5. Outperform Rivals

Speed and precision give you an unbeatable edge.

### 6. Decide Better

Real-time insights without manual data crunching.



# CONTENTS

## Automation Basics

- Definitions
- Benefits
- Real World Uses of Automation

## n8n WORKFLOW FOR AUTOMATION

- Introduction to n8n
- Understanding triggers and actions
- Building Multistep Workflows
- Data Mapping between Nodes
- Error Handling and retry logic
- Important nodes and functions
  - HTTP Requests and webhook
  - Set & Merge & IF Condition
  - Delay & Code Node (Basic JS)
- Connecting External Apps
  - Gmail Integration
  - Slack/Whatsapp integration

## Google Sheets and Notion Automation

- App integrations overview
- Connecting google sheets to n8n
  - Sheets API: Read / Write / Updates
- Data Cleaning and formatting automation
- Creating Auto update Dashboards
- Notion integration basics
  - Connecting Notion Database and Create/Update pages
  - Insert Rows and Query Databases and Sync Properties
- Bi Directional Sync: Sheets to Notion
- Adding AI to enhance data quality
- Automating Task/Project Management
- Notification for updates (Slack/Email/Whatsapp)

## ChatGPT and Gemini for Automation

- Introduction to LLMs (ChatGPT, Gemini, Claude)
- Prompt Engineering Basics
- Creating AI Business workflows
- Text Automation – Summaries, Emails, Reports
- Data Extraction from documents
- AI Powered Customer support
- Generating SEO Content automatically
- Creating AI Chatbots
- Other AI Automation Tools
  - Make
  - Elevenlabs

## API & Database Automation

- Introduction to APIs (REST, Webhooks)
- Understanding JSON, Payloads & EndPoints
- Sending API requests – GET, POST, PUT, DELETE
- API Authentication (API Key, OAuth)
- Connecting APIs with n8n/make
- Database Basics – MySQL/MongoDB/PostgreSQL
- Writing and Executing Queries – SELECT, INSERT, UPDATE, DELETE
- Automating Database Updates via API