ALL PAKISTAN MEMON FEDERATION I. T. CENTER
(REGISTERED WITH SBTE)

ADMISSION OPEN

n8n: Zero2Automation

Automate Your Business. Accelerate Your Career.

COURSE DURATION
4 WEEKS (1 MONTH)

MODE: HANDS-ON
+ PROJECT-BASED

CREDIT HOURS
16 HOURS

TARGET AUDIENCE
BEGINNERS, NON-TECHNICAL, STUDENTS, FREELANCERS & BUISNESS OWNERS

100% SCHOLARSHIP AVAILABLE FOR NEEDY STUDNETS (T&C APPLY)

Weekly Session: Monday Wednesday 7:30pm to 9:30pm

Website
www.apmfitc.edu.pk

Contact
0306-2619045

Location
Memon Federation House, Farooq Motlani Road, Near Islamia College, Karachi

Social Media
apmfitc

ALL PAKISTAN MEMON FEDERATION I. T. CENTER
(REGISTERED WITH SBTE)

Week 1: Introduction to n8n & Workflow Fundamentals

Objective: Understand the fundamentals of workflow automation and become familiar with the n8n platform.

Session 1: Introduction & Platform Overview

- Concept of workflow automation
- No-code and low-code platforms
- Introduction to n8n (Cloud vs Self-hosted)
- n8n interface: nodes, workflows, executions
- Hands-on: Manual Trigger → Set Node → Output Node

Session 2: Data Handling & Expressions

- Data flow in workflows
- JSON structure and expressions
- Function Node for custom logic
- Hands-on: Cron Trigger → Function Node → Data transformation

Week 2: Integrations & API Automation

Objective: Learn to connect workflows with external systems and services.

Session 3: Working with REST APIs

- REST API fundamentals
- HTTP Request Node (GET, POST)
- Authentication (API Key, Bearer Token)
- Hands-on: Fetch and process API data

Session 4: Integrations & Webhooks

- Google Sheets integration
- Email automation
- Webhook Node for real-time data
- Hands-on: Webhook → Google Sheets → Email workflow

Week 3: Advanced Workflow Design

Objective: Build scalable and intelligent automation workflows.

Session 5: Conditional Logic & Flow Control

- IF Node, Switch Node
- Merge Node
- Looping through data
- Hands-on: Conditional notification system

Session 6: Multi-Step Workflows & Error Handling

- Cron scheduling
- Error Trigger Node
- Debugging workflows
- Hands-on: Lead capture → Sheet → Email → Slack

Week 4: AI Integration & Industry Projects

Objective: Apply automation and AI concepts to real-world scenarios.

Session 7: AI Automation with n8n

- OpenAI Node integration
- AI-based content generation
- Processing AI outputs
- Hands-on: AI Reply Generator (Webhook → OpenAI → Email/Slack)

SESSION8:FINAL PROJECTS (INDUSTRY-BASED IMPLEMENTATION)

Students will develop real-world automation systems

Project 1: E-Commerce Automation System

- Order via Webhook
- Store data in Google Sheets / Database
- Send confirmation email
- AI-based product recommendations
- Slack notifications

Project 2: Institute Management System

- Student registration via Webhook/Form
- Store data in Google Sheets
- Admission confirmation emails
- AI-based welcome messages
- Admin notifications

Project 3: Office Workflow Automation

- Task submission via Webhook
- Store logs in Sheets/Database
- Manager notifications via Email/Slack
- Daily AI summary using Cron + OpenAI
- Error handling workflows

INDUSTRY RELEVANCE & BENEFITS

Industry Impact

- High demand for automation tools like n8n
- Reduces manual work and operational cost
- Enables AI-powered business processes
- Prepares students for roles like Automation Engineer and AI Workflow Developer

ALL PAKISTAN MEMON FEDERATION I. T. CENTER
(REGISTERED WITH SBTE)

Benefits for E-Commerce Businesses

Automated order processing and confirmations
AI-driven product recommendations
Marketing automation (emails, follow-ups)
Inventory and operations management

Result: Increased efficiency, better customer experience, higher sales

Benefits for Institutes / Educational Organizations

Automated student registration and admissions
Instant communication (emails, notifications)
Reduced administrative workload
AI-powered student interaction systems

Result: Streamlined operations and modern digital infrastructure

Final Learning Outcomes

By the end of this course, learners will be able to:

Design and deploy end-to-end automation workflows
Integrate APIs and third-party services
Build AI-powered automation systems
Develop industry-level, portfolio-ready projects

Website www.apmfitc.edu.pk
Contact 0306-2619045
Location Memon Federation House, Farooq Motlani Road, Near Islamia College, Karachi
Social Media apmfitc