

**BAFAI**  
BLOOM ACADEMY FOR AI

# Workflow Automation Curriculum

**Industry-Relevant AI Training for Career  
Advancement**

**SCHOLARSHIPS AVAILABLE**  
T&C Applies

# Course Objective

Learn to Identify, design, and deploy practical no-code and low-code automated workflows using modern AI-powered platforms – reducing manual work, improving efficiency, and building intelligent business systems

## Monthly Salary Expectation



### Nigeria

₦500,000 – ₦1,000,000



### Canada

\$7,500 – \$9,400 CAD



### United States

\$8,400 – \$9,700+



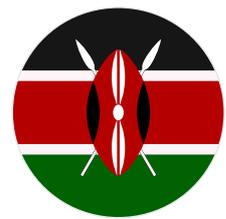
### Denmark

DKK 54,000 – 57,000



### United Kingdom

£2,900 – £4,800



### Kenya

\$800 – \$1,500

# Learning Model

## Course Mode

**Online and  
Project-based**

## Course Duration

**12 weeks**

## Programme Level

**Beginner to Intermediate**

## Certificate

**Certificate of completion**



## Module 01

# Foundations of Workflow Automation

- What is workflow automation?
- Manual vs automated processes
- Evolution from rule-based automation to AI-powered workflows
- Understanding triggers, actions, and logic
- Overview of no-code vs low-code tools
- Real-world examples of automation in business

## Module 02

# Identifying Automation Opportunities

- Mapping simple business processes
- Breaking down workflows into steps
- Identifying repetitive and high-impact tasks
- Introduction to ROI thinking (time saved, cost reduction)
- Human-in-the-loop vs full automation
- Prioritizing quick wins

**Hands-on:** Map and assess one real workflow for automation.

## Module 03

# Getting Started with Automation Platforms

- Introduction and beginner-level setup of:

Make.com

Zapier

n8n

- Creating triggers and actions
- Connecting apps (Google Sheets, Gmail, Slack, etc.)
- Multi-step workflows
- Filters and conditional logic
- Error handling basics

**Hands-on:** Build 3 simple automations (email parsing, data sync, notification bot).

## Module 04

# Adding AI to Your Workflows

- What does AI add to automation?
- Using LLMs inside workflows (text generation, summarisation, classification)
- Connecting OpenAI or other AI APIs inside automation tools
- Basic prompt design for automation
- AI decision-making steps
- Avoiding common AI mistakes in workflows

**Hands-on:** Build an AI-powered email summarizer or support classifier.

## Module 05

# Designing End-to-End Automated Systems

- Workflow architecture basics
- Data flow design
- Structuring larger automation systems
- Reliability basics (what happens when something fails?)
- Logging and monitoring
- Introduction to cross-platform automation

**Hands-on:** Design a multi-step lead management automation.

## Module 06

# Testing, Debugging & Security

- Testing workflows before deployment
- QA checklist for automation
- Debugging failed runs
- Handling API rate limits
- Basic security principles (API keys, data privacy)
- Compliance awareness (beginner-level overview)

**Hands-on:** Stress-test and improve an existing workflow.

## Module 07

# Introduction to Intelligent & Multi-Agent Workflows

- When simple automation is not enough
- Introducing AI agents inside workflows
- Overview of CrewAI
- Using AI for dynamic decisions
- Multi-step AI reasoning inside automation
- Human approval checkpoints

**Hands-on:** Add an AI decision layer to an existing workflow.

## Module 08

# Scaling & Governance

- Documentation best practices
- Organizing automation projects
- Managing multiple workflows
- Change management basics
- Measuring impact (time saved, cost, performance)
- Building internal automation playbooks

## Module 09

# Deployment & Performance Monitoring

- Moving from test to production
- Monitoring dashboards
- Error alerts & notifications
- Performance tracking
- Cost monitoring (API usage & infrastructure)
- Iterating and improving workflows

**Hands-on:** Deploy and monitor a production-ready workflow.

## Capstone Project

### Practical AI-Powered Workflow System

- Identify a real business workflow
- Create a process map (simple BPMN or visual diagram)
- Implement using at least:
  - One automation platform (Make, Zapier, or n8n)
  - One AI-powered step
- Include:

Error handling

Monitoring

ROI estimate

- Deliverables:

Workflow diagram

Live demo

Performance & cost estimate

10-minute presentation + Q&A

# Project Defence

## Personal Project Presentations

### Note:

- All modules, project work, project defense, and grading work will be completed in a total of 12 weeks from the course start date.

# Certificate Sample



## CERTIFICATE OF COMPLETION IN WORKFLOW AUTOMATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

*Emeka Adediran Audu*

Who has successfully completed the Agentic AI course comprising: Foundations of Workflow Automation, Identifying Automation Opportunities, Getting Started with Automation Platforms, Testing, Debugging and Introduction to Multi-Agent Workflows

A handwritten signature in blue ink, appearing to read 'Lola', is positioned above a horizontal line.

**Dr. Lola Olukewu**  
Certified Chief Artificial Intelligence Officer  
Founder, BAF AI

A handwritten signature in black ink, appearing to read 'Tolu', is positioned above a horizontal line.

**Mrs. Tolu Akinjole**  
Head of Programs

# CONTACT US



[www.bafai.ai](http://www.bafai.ai)



[hello@bafai.ai](mailto:hello@bafai.ai)



Call/WhatsApp  
**+234 813 978 7092**



**Lagos Nigeria**