



**Empower Your Future With Next
Generation RPA Technology**

At Knowlyft Academy, we're dedicated to delivering high-quality RPA + GenAI training with a strong emphasis on real-time projects. Our persistent dedication to quality and a project-driven approach sets us on the path to success.

What we offer ?



Placement
Guaranteed



Training from
Industry Expert



Real Time Project
Development



Life time Access
to Support

Our Expertise



Students Placed at



Course Syllabus

Week	Module	Topic
1	Fundamentals of RPA & Its Industry Impact	What is RPA?
		Types of Automation
		How RPA Transforms Business Operations
		Real-World Applications of RPA Across Industries
2	Introduction to Generative AI in RPA	What is Generative AI? - Overview of GPT & Gemini
		Enhancing RPA with AI - Intelligent Automation & Decision-Making
		GenAI Use Cases in RPA
		Hands-on: Exploring AI-Powered Automation Scenarios
3	Getting Started with RPA Tools	Overview of Power Automate, UiPath, and Automation Anywhere
		Installing and Setting Up RPA Tools
		Building Your First Automation Workflow
4	Introduction to Python (Only Basics)	Python Basics - Variables, Data Types, and Simple Operators
		Working with Lists, Dictionaries, and Loops
5	Python Scripting for RPA: File Handling & Data Automation	File Handling - Reading/Writing CSV, Text, and Excel Files
		Using Python Scripts in Power Automate, UiPath, and Automation Anywhere
		Hands-on: Automating Simple Data Processing Using Python
6	Data Manipulation in RPA	Working with Variables & Expressions in RPA Tools
		String Manipulation & Basic Data Formatting
		Handling JSON & XML Data in RPA Workflows
7	Data Extraction & Transformation in RPA	Extracting & Processing Excel, CSV, and SharePoint Data
		Automating Data Transformation & Cleanup in RPA
		Hands-on: Data Extraction & Transformation Automation
8	Control Flow and Decision Making	Conditional Logic - If/Else, Switch, Loops
		Exception Handling & Debugging in RPA Workflows
		Parallel Branching & Approval Flows
9	Event-Driven Automation & Workflow Optimization	Event-Triggered Automation & Real-Time Decision Making
		Real-Time Decision Making with RPA
		Hands-on: Automating an Approval-Based Workflow
10	Bot Deployment and Management	Attended vs. Unattended Bots - Understanding Differences
		Deploying RPA Bots in a Production Environment
		Monitoring, Debugging, and Logging Bot Execution
11	Project I(Basic Project)	Web Automation with Excel Operations

12	RPA Security, Compliance & Unattended Bot Deployment	Security & Compliance in RPA
		Governance in RPA Deployments
		Hands-on: Deploying an Unattended Bot for Data Entry Automation
13	Advanced Automation Using GenAI (GPT, Gemini, etc.)	Introduction to Generative AI (GPT, Gemini) in RPA
		Using OpenAI (GPT) & Google Gemini APIs for AI-Driven Automation
		AI-Based Text Summarization, Sentiment Analysis, and Chatbots
14	AI-Powered Email Automation	Introduction to GenAI in Email Automation
		Building a Smart Email Processing Bot
		Hands-on: Deploying and Testing AI Email Bots
15	Advanced Automation Using SQL & Databases	SQL Basics - CRUD Operations (Create, Read, Update, Delete)
		Connecting to SQL Databases from RPA Tools
		Automating Data Extraction & Reporting
		Using SQL Triggers & Scheduled Flows for Automation
		Hands-on: Automating Invoice Processing Using SQL
16	Microsoft Copilot 365 & AI-Powered Automation	Introduction to Microsoft Copilot 365 for Business Automation
		Automating Word, Excel, and Outlook Tasks with Copilot
		RPA + Copilot for Business Process Optimization
		Real-World Use Cases of Copilot in RPA Workflows
		Hands-on: Automating Document Generation Using Copilot
17	Power Apps & UI Automation in RPA	What is Power Apps? - Canvas vs. Model-Driven Apps
		Integrating Power Apps with RPA Tools
		UI Automation & Screen Scraping in RPA
		Automating Data Entry & Approval Workflows
		Hands-on: Creating a Power Apps Dashboard with RPA Automation
18	API Automation in RPA	Understanding APIs - REST, SOAP, and Webhooks
		Calling External APIs in RPA
		Handling Authentication - API Keys, OAuth, and Tokens
		Automating Workflows Using External Web Services
		Hands-on: Integrating an API with an RPA Workflow
19	Email and Document Automation	Automating Email Processing - Reading & Sending Emails
		Extracting Data from PDFs, Word Docs, and Scanned Images
		AI-Powered Document Classification & Data Extraction
		Implementing OCR (Optical Character Recognition) in RPA
		Hands-on: Automating Invoice Processing from Email Attachments
20	Web Scraping & Data Extraction	Introduction to Web Scraping in RPA Tools
		Extracting Data from Websites
		Handling Dynamic & JavaScript-Rendered Pages
		Storing Extracted Data in Excel, Dataverse, or SQL
		Hands-on: Automating Web Scraping for Lead Generation

21	Windows & Legacy System Automation with RPA	Automating Windows Applications Using RPA
		Handling Mainframe and Terminal-Based Systems
		Hands-on: Automating Data Entry in a Legacy System
22	Project 2(Basic Project)	Desktop Application Automation with SQL
23	Advanced RPA for Virtual & Legacy Environments	Working with Virtual Environments (Citrix, Remote Desktops)
		Using Image-Based Automation & OCR for Legacy Apps
		Hands-on: Enhancing Legacy System Automation with OCR
24	AI-Powered Automation in RPA	Introduction to AI in RPA
		Form Processing & Text Recognition Using AI Models
		Hands-on: Implementing AI-Based Document Processing
		Enhancing RPA Bots with AI-Powered Decision Making
		Hands-on: Implementing AI-Based Document Processing
25	AI-Driven Decision Making in RPA	Automating Sentiment Analysis for Customer Support
		Enhancing RPA Bots with AI-Powered Decision Making
		Hands-on: AI-Enhanced RPA Workflows
26	Process Mining for RPA & Automation Strategy	Introduction to Process Mining & RPA Optimization
		Identifying Automation Opportunities Using Process Mining
		Data-Driven Decision Making for RPA Implementation
		Hands-on: Exploring Process Mining Tools for RPA
27	Optimizing RPA Workflows & Business Automation	Analyzing Bottlenecks & Improving RPA Workflows
		Implementing End-to-End Automation in Large Enterprises
		Continuous Improvement & AI-Driven Optimization
		Hands-on: Using Process Mining for Business Optimization
28-33	Real Time Project	Project - 1
34-39	Real Time Project	Project - 2
40-49	Real Time Project	Project - 3
50-59	Real Time Project	Project - 4
60-65	Q&A and Interview Preparation	Common Interview Questions for Power Automate, UiPath & Automation Anywhere
		Mock Interviews & Debugging Challenges
		Certifications & Career Path Guidance
		Reviewing & Optimizing Automation Projects
		Hands-on: Final Capstone Project Submission & Certification

Why Knowlyft ?

At Knowlyft Academy, excellence is not just a goal; it's a commitment. Our real-time, project-centric approach ensures that candidates acquire not only theoretical understanding but also the practical skills needed to excel as RPA experts in a rapidly evolving industry.

Get in Touch....



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