



**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 ?



6 Months
Internship Certificate



Training from
Industry Expert



Real Time Project
Development



Life time Access
to Support



Dedicated
Placement Assistance

Our Expertise



Students Placed at



KPIT



Course Syllabus

Week	Module	Topic
1	Introduction to RPA, GenAI and Basic Automation Concepts	What is RPA? - Benefits, Use Cases, and Industry Adoption
		Introduction to GenAI - How GPT & Gemini Enhance RPA
		Types of Automation - Rule-Based vs. AI-Driven Automation
		Overview of Power Automate, UiPath, and Automation Anywhere
		Hands-on: Setting Up RPA Tools and Running Your First Automation
2	Introduction to Python (Only Basics)	Python Basics - Variables, Data Types, and Simple Operators
		Working with Lists, Dictionaries, and Loops
		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
3	Data Manipulation in RPA	Working with Variables & Expressions in RPA Tools
		String Manipulation & Basic Data Formatting
		Handling JSON & XML Data in RPA Workflows
		Extracting & Processing Excel, CSV, and SharePoint Data
		Hands-on: Data Extraction & Transformation Automation
4	Control Flow and Decision Making	Conditional Logic - If/Else, Switch, Loops
		Exception Handling & Debugging in RPA Workflows
		Parallel Branching & Approval Flows
		Event-Triggered Automation & Real-Time Decision Making
		Hands-on: Automating an Approval-Based Workflow
5	Bot Deployment and Management	Attended vs. Unattended Bots - Understanding Differences
		Deploying RPA Bots in a Production Environment
		Monitoring, Debugging, and Logging Bot Execution
		Security, Compliance, and Governance in RPA Deployments
		Hands-on: Deploying an Unattended Bot for Data Entry Automation
6	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
		Automating Email Responses with GenAI-Powered Bots
		Hands-on: Creating a Smart Email Processing Bot with GPT/Gemini
7	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

8	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
9	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
10	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
11	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
12	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
13	Desktop & Legacy System Automation	Automating Windows Applications Using RPA
		Handling Mainframe and Terminal-Based Systems
		Working with Virtual Environments (Citrix, Remote Desktops)
		Using Image-Based Automation & OCR for Legacy Apps
		Hands-on: Automating Data Entry in a Legacy System
14	Intelligent Automation	Introduction to Power Automate AI Builder, Automation Anywhere AI Agent & UiPath AI Fabric
		Form Processing & Text Recognition Using AI Models
		Automating Sentiment Analysis for Customer Support
		Enhancing RPA Bots with AI-Powered Decision Making
		Hands-on: Implementing AI-Based Document Processing

15	Process Mining & Business Optimization	Introduction to Process Mining & RPA Optimization
		Identifying Automation Opportunities Using Process Mining
		Analyzing Bottlenecks & Improving RPA Workflows
		Implementing End-to-End Automation in Large Enterprises
	Hands-on: Using Process Mining for Business Optimization	
16	Project 1 (Basic Project)	Web Automation with Excel Operations
17	Project 2 (Basic Project)	Desktop Application Automation with SQL
18 - 21	Real Time Project	Project - 1
22 - 25	Real Time Project	Project - 2
26	Q&A and Interview Preparation & Benefits of Course	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	


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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