



Empower Your Future With Next Generation RPA Technology



At Knowlyft Academy, we're dedicated to delivering high-quality RPA + GenAl 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?











Life time Access to Support



Dedicated Placement Assistance

6 Months Internship Certificate Industry Expert



Our Expertise

























Students Placed at





























Course Syllabus

What is RPA? - Benefits, Use Cases, and Industry Adoption Introduction to RPA, GenAl and Basic Automation Concepts Automation - Rule-Based vs. Al-Driven Automation Overview of Power Automate, UiPath, and Automation Anywhere Hands-on: Setting Up RPA Tools and Running Your First Automation Overview of Power Automate, UiPath, and Automating Your First Automation Overview of Power Automate, UiPath, and Automation Anywhere Hands-on: Setting Up RPA Tools and Running Your First Automation Overview of Power Automate, UiPath, and Automation Anywhere Hands-on: Automating Simple Dato 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 Dato Processing Using Python Working with Variables & Expressions in RPA Tools String Manipulation & Basic Data Formathing Handling JSON & ML Data in RPA Workflows Extracting & Processing Excel, CSV, and SharePoint Data Hands-on: Data Extraction & Transformation Automation Conditional Lagic - If/Else, Switch, Loops Exception Handling & Debugging in RPA Workflows Parallel Branching & Approval Flows Extracting & Approval Flows Exception Handling & Debugging in RPA Workflows Parallel Branching & Approval Flows Event-Triggered Automation & Real-Time Decision Making Hands-on: Automating an Approval-Based Workflow Attended vs. Unattended Bats - 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 Introduction to Generative Al (GPT, Gemini) in RPA Using OpenAl (GPT), & Google Gemini APIs for Al-Driven Automation Using GenAl (GPT, Gemini) email Responses with GenAl-Powered Bots Hands-on: Creating a Smart Email Processing Bot with GPT/Gemini SQL Basics - CRUD Operati	Week	Module	Topic
Introduction to RPA, GenAl and Basic Automation Concepts Types of Automation - Rule-Based vs. Al-Driven Automation Overview of Power Automate, UiPath, and Automation Anywhere Hands-on: Setting Up RPA Tools and Running Your First Automation 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 Working with Variables & Expressions in RPA Tools String Manipulation in RPA Working with Variables & Expressions in RPA Tools String Manipulation & Basic Data Formating Handling JSON & XML Data in RPA Workflows Extracting & Processing Excel, CSV, and SharePoint Data Hands-on: Data Extraction & Transformation Automation 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 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 Introduction to Generative AI (GPT, Gemini) in RPA Using OpenAI (GPT) & Google Gemini APIs for AI-Driven Automation 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 Hands-on: Creating a Smart Email Processing Bot with GPT/Gemini SQL Basics - CRUD Operations (Create, Read, Update, Delete) Connecting to SQL Databases from RPA Tools Automating Data Extraction & Reporting Using SQL & Databases	1	GenAl and Basic	What is RPA? – Benefits, Use Cases, and Industry Adoption
Types of Automation - Rule-Based vs. Al-Driven Automation Automation Concepts Overview of Power Automate, UlPath, and Automation Anywhere Hands-on: Setting Up RPA Tools and Running Your First Automation 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, UlPath, and Automation Anywhere Hands-on: Automating Simple Data Processing Using Python 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 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 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 on Unattended Bot for Data Entry Automation Using GenAl (GPT, Gemini, etc.) Advanced Automation Using GenAl (GPT, Gemini, etc.) Advanced Automation Using SQL & Databases Takes of Power Automation (Provided Formation Automation (Provided Formation Automation) Using SQL & Databases Using SQL & Triggers & Scheduled Flows for Automation			Introduction to GenAl – How GPT & Gemini Enhance RPA
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6 Using GenAl (GPT, Gemini, etc.) Al-Based Text Summarization, Sentiment Analysis, and Chatbots Automating Email Responses with GenAl-Powered Bots Hands-on: Creating a Smart Email Processing Bot with GPT/Gemini 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			Using OpenAl (GPT) & Google Gemini APIs for Al-Driven Automation
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Advanced Automation Using SQL & Databases Automating Data Extraction & Reporting Using SQL Triggers & Scheduled Flows for Automation	7		SQL Basics – CRUD Operations (Create, Read, Update, Delete)
7 Using SQL & Databases Using SQL Triggers & Scheduled Flows for Automation			Connecting to SQL Databases from RPA Tools
Using SQL Triggers & Scheduled Flows for Automation			Automating Data Extraction & Reporting
Hands-on: Automating Invoice Processing Using SQL			Using SQL Triggers & Scheduled Flows for Automation
			Hands-on: Automating Invoice Processing Using SQL



8	Microsoft Copilot 365 & Al-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
	Power Apps & UI Automation in RPA	What is Power Apps? – Canvas vs. Model-Driven Apps
		Integrating Power Apps with RPA Tools
9		UI Automation & Screen Scraping in RPA
		Automating Data Entry & Approval Workflows
		Hands-on: Creating a Power Apps Dashboard with RPA Automation
		Understanding APIs – REST, SOAP, and Webhooks
		Calling External APIs in RPA
10	API Automation in RPA	Handling Authentication – API Keys, OAuth, and Tokens
		Automating Workflows Using External Web Services
		Hands-on: Integrating an API with an RPA Workflow
		Automating Email Processing – Reading & Sending Emails
		Extracting Data from PDFs, Word Docs, and Scanned Images
11	Email and Document Automation	Al-Powered Document Classification & Data Extraction
	Automation	Implementing OCR (Optical Character Recognition) in RPA
		Hands-on: Automating Invoice Processing from Email Attachments
	Web Scraping & Data Extraction	Introduction to Web Scraping in RPA Tools
		Extracting Data from Websites
12		Handling Dynamic & JavaScript-Rendered Pages
		Storing Extracted Data in Excel, Dataverse, or SQL
		Hands-on: Automating Web Scraping for Lead Generation
	Desktop & Legacy System Automation	Automating Windows Applications Using RPA
13		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 Al Builder, Automation Anywhere Al Agent & UiPath Al Fabric
		Form Processing & Text Recognition Using Al Models
		Automating Sentiment Analysis for Customer Support
		Enhancing RPA Bots with Al-Powered Decision Making
		Hands-on: Implementing Al-Based Document Processing



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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.

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