

**Empowering  
future generations  
with automation  
skills**



**“Our vision is an automated and fully-employed world in which humanity and machines are partners in a new and vibrant work environment that is unburdened by repetitive tasks, and freed to embrace more strategic, creative and fulfilling work.”**

## Executive Summary

Robotic Process Automation (RPA) is helping businesses across the world increase profits, productivity, security, and employee engagement.

At UiPath, the market leader in RPA, we do not believe that automation and employment are mutually exclusive. We envision an automated and fully-employed world in which humanity is unburdened of repetitive tasks, and freed to embrace more strategic, creative and fulfilling work.

Today, technical and business professionals must have the skills and expertise to identify processes that should be automated via RPA, and the ability to rapidly deploy the technology. The demand for RPA skills creates a once-in-a-lifetime opportunity for talented students across the world.

Working with leading Universities, Governments, and other organizations, we are developing the global RPA knowledge ecosystem and shaping the future of work through an inclusive community ranging from young students to experienced professionals.

At no charge, we provide:

- Courses for technical, business and general students
- Dedicated UiPath software for classroom and personal use
- Knowledge transfer to the educators
- Opportunities to join a highly active community of RPA professionals

As part of the Academic Alliance Terms & Conditions, we allow the institutions to include UiPath courses in other programs, including adult education and continuous learning.

## What is Robotic Process Automation (RPA)?

Hundreds of millions of knowledge workers are employed across the world and in every industry. RPA enables us to remove routine, mundane, and repetitive tasks via software robots. Through RPA, we are freed from the work that adds little value, joy, and satisfaction. By assigning such repetitive

**“RPA is the fastest growing category of Enterprise Software (growing at 65% CAGR according to Forrester™).”**

activities to software robots we now can focus on more creative and valued work, accelerating our careers, our companies, and ultimately, society. RPA is the fastest growing category of Enterprise

Software. It allows users to configure a software robot to emulate human interaction with digital systems to execute a business process. RPA robots utilize the user interface and/or APIs to capture data and interact with applications just as humans do, but faster and with fewer errors. The robots interpret data, trigger responses and communicate with other systems to perform a wide variety of repetitive tasks. RPA is distinct from prior process automation technologies due to its flexible scope and ease of implementation – enabling enterprises to automate tasks and integrate systems which are otherwise too complex, too costly, or too time consuming to address.

## Automation First Mindset

Automation First is the mindset of individuals and organizations that assess if any and all tasks or activities (existing or planned) should be considered as candidates for automation. If a complete or partial process can be automated, it should be automated. This will maximize

both the productivity and satisfaction of creative/knowledge workers, as well as organizational efficiency. Developing this mindset in students through their education will drive significant innovation and growth as they become valuable employees or entrepreneurs.





## Why UiPath?

UiPath is the recognized leader in the Robotic Process Automation (RPA), and is the fastest growing enterprise software company in history! UiPath's minimal-code, drag-and-drop Studio development platform enables RPA developers to quickly and easily implement robots that use a combination of groundbreaking Computer Vision and UI-selector technology to navigate applications and mimic user actions to automate end-to-end business processes - delivering ROI in days and weeks. UiPath is differentiated in multiple ways:

- Our innovation in computer vision allows robots to read a screen and navigate desktop, web, and virtualized applications. We are now taking that to the next level, with sophisticated, Pragmatic AI capabilities that enable automation of increasingly complex, cognitive tasks.
- Leveraging our Open and Extensible platform, we have one of the most diverse partner ecosystems; delivering intelligent automation via AI tools such as Microsoft™ Handwriting Recognition, BPM systems such as K2™, Bizagi™, H2O.AI™, and Appian™, as well as productivity applications like Microsoft™ Office™ and Google™ G-Suite™.
- The UiPath platform is built entirely on the Microsoft™ stack. As a leader in enterprise productivity, business applications and cloud services, Microsoft™ is the most widely adopted technology stack across enterprises. Our ability to integrate seamlessly with the Microsoft™ stack drives faster ROI for enterprise customers.
- Scalability is a key factor in delivering UiPath's vision of "One Robot for Every Person" and we currently have deployments with some customers in the range of tens of thousands of robots. Customers are moving well beyond simply experimenting with RPA.

## A Reskilling Imperative During the 4<sup>th</sup> Industrial Revolution

According to the World Economic Forum, more than 54% of the workforce will require reskilling in the next 5 years!

“New technology adoption drives business growth, new job creation and augmentation of existing jobs, provided it can fully leverage the talents of a motivated and agile workforce who are equipped with futureproof skills to take advantage of new opportunities through continuous retraining and upskilling. Conversely, skills gaps—both among workers and among an organization’s senior leadership—may significantly hamper new technology adoption and therefore business growth.”

Robotic Process Automation is one such technology that is dramatically redefining the future of work. Easy to deploy, non-intrusive, fast, and low-cost implementations have made RPA a priority across industries.

## The Increasing Role of Artificial Intelligence in RPA

RPA can be considered a steppingstone to the world of Artificial Intelligence. RPA is continuously evolving and able to automate more. UiPath robots are learning new skills. At UiPath we are building and delivering increasingly sophisticated Pragmatic AI capabilities to enable automation of complex, cognitive tasks in four areas:

- Visual understanding (e.g. AI that automatically identifies and completes UI elements such as menus, logins, scrolling, etc.)
- Document understanding (template-less processing of documents such as receipts and invoices)
- Conversational understanding (e.g. taking action based on texts, chat and voice); and
- Process understanding (learning user behavior to identify new automation and opportunities to gain efficiency)

The ability to deliver Pragmatic AI along with automation leads to an increase in productivity, better predictions, lower error rates and innovation.

**According to the World Economic Forum, more than 54% of the workforce will require reskilling in the next 5 years!**



We do not view automation and employment as opposites, and instead envision an automated and fully employed world. We believe humanity and machine are partners that will herald a new and vibrant workforce, unburdened by repetitive tasks, and freed to embrace more strategic and creative work.

While there is a massive shortage of technical and business professionals having the skills and expertise to identify processes that should be automated and to fully deploy Robotic Process Automation. Organizations around the world are seeking such professionals. Such a demand creates a once-in-a-life time opportunity for talented students.



## Our Mission

Working with leading Institutions, Universities, Colleges, Governments, and other organizations, we craft the global RPA knowledge ecosystem, and shape the future of work through an inclusive community ranging from young students to experienced professionals.

Together, we are:

- Instituting RPA as a discipline in academia
- Preparing students and educators with in-demand automation skills
- Connecting students and educators to a community of practitioners
- Creating RPA awareness across entire institution
- Creating a differentiator for your institution

## Our Promise

- Courses for technical, business, and general students ranging from a simple, exciting introduction to in-depth, comprehensive, semester-long offerings
- Specially designed and developed RPA curricula, suitable to become a credit course with annual updates
- UiPath software (Academic Alliance Edition) for all enrolled students and educators
- Knowledge transfer and training for the educators
- Online communities and forums
- Promotion Kit including Introductory videos, presentations, collateral, etc. to encourage students to learn about RPA (and decide to join the class)
- Allow the partner institutions to include UiPath courses in other programs, including adult education and continuous learning

## Benefits of Joining the UiPath Academic Alliance

We will equip your academic institutions with all the knowledge, curricula, software, training tools and support to meet the emerging opportunities in RPA.

### Benefits to Students:

- Access RPA technologies via UiPath Academic Alliance Edition
- Learn from high-quality UiPath curriculum in a current syllabus or class
- Join a community of professionals and experts worldwide
- Become an in-demand RPA professional

### Benefits to Academic Institutions:

- Be a leader in the Automation First movement
- Prepare your students for an automated future and exciting career
- Unique opportunity to introduce software robots to every student
- Introduce RPA as a Continuing Education differentiator
- Play a key role in upskilling students and professors
- Access UiPath Academic Alliance materials for branding and promotion
- Receive Public Relations and media coverage

### Benefits to Educators:

- Teach from a comprehensive RPA curriculum including hands-on labs
- Utilize courses that can be integrated into degree programs for academic credits
- Access RPA technologies via UiPath Academic Alliance Edition software to teach and research
- Include RPA as an introductory subject in a current syllabus or classes
- Leverage a resource kit with courseware, case studies and other teaching aids
- Use our promotional kit to attract students to RPA classes
- Build your own RPA skills
- Join a community of fellow automation professionals through in-person, virtual and on demand educator-readiness workshops

## What We Expect from Academic Institutions

UiPath promises to make the effort and investment in providing high-quality updated courseware, the UiPath RPA software platform, resource kits and other tools at no cost to the partner institutions. In return, our expectations from you are simple and minimal:

- Assign 1 to 2 educators committed to driving RPA/AI technologies and helping build their students' careers
- Deliver a minimum of one formal RPA course annually (introductory/general), or full course for technical or business students
- Consider including relevant courses (as indicated in course descriptions) in regular curricula either as required or as an elective (earning credits upon successful completion)



## A Robot for Every Student

This unique initiative is targeted towards developing RPA awareness and interest in all students across the institution. It will require short training (less than a day) and use of free UiPath software to develop basic skills. Students will learn how to build simple software robots and many will be able to build their own personal robotic assistants. Once the students are able to build their own robotic assistants, their imagination is the limit for creative and unique solutions.

- **In school, students use robots to:**

- Work faster and smarter
- Conduct research more easily
- Automate their financial aid search
- Find deals on items they want to buy
- Discover job/work opportunities

- **When they enter the workforce, students use robots to:**

- Enhance their resume with in-demand RPA skills
- Help employers be more efficient and productive

- **How can robots make the students a better global citizen?**

- Discover new solutions and processes to better the world
- Plan their own start-up!
- Help NGOs automate manual and repetitive work



## UiPath Academic Alliance – Offering Details

As a UiPath Academic Alliance partner, you will have the following materials available to prepare/promote the class and teach your students.

### Resource Kit

Once you have joined the Academic Alliance you will be able to download the kits from a secure online library.

#### Promotion Kit

Promote RPA courses to generate enrollment:

- Academic Alliance Logo variations
- Logo Usage Guidelines
- Posters, both for physical and digital use
- Course Description/Summary
- Presentations which can be made by Faculty to Students
- Videos of software robots

#### Educator Kit

Aimed at providing teachers with resources for getting educated in RPA technology:

- UiPath Academic Alliance Edition Software download instructions
- Modular self-paced courses with teaching instructions

#### Course Kit

Developed for optimizing course delivery to students, each Courseware Kit includes:

- Courseware
- Teaching Guidelines/ Lesson Plan
- Student Guidelines
- UiPath Academic Alliance Edition download instructions
- UiPath Connect! enrollment instructions for Students

#### A Robot for Every Student Kit

A complete package for institute to invite all students to get familiar with RPA and be able to create their own software robots:

- Course – Step into RPA (4hr)
- UiPath Academic Alliance Edition software
- Communication package
- Promotion package
- Robot packs

## UiPath Academic Alliance Courses

These courses are designed to meet the high standards followed by prestigious academic institutions. They are aligned to the teaching schedules of standard classrooms with adequate demos, hands-on and lab exercises.

### Step into Robotic Process Automation

<b>Goal:</b>	Create awareness and generate interest in process automation
<b>Applicable to:</b>	All students, “A Robot for Every Student”
<b>Duration:</b>	4 hours
<b>Format:</b>	Online or lecture with simple hands-on lab exercises

### Introduction to Robotic Process Automation for Business

<b>Goal:</b>	Develop understanding of process automation and its value for business
<b>Applicable to:</b>	Business, Accounting, Finance and other students
<b>Duration:</b>	14 hours, can be a 1 credit elective or required course
<b>Format:</b>	Lecture and exercises

### Robotic Process Automation Design & Development

<b>Goal:</b>	Build Associate RPA developer skills
<b>Applicable to:</b>	Technical students with basic programming skills
<b>Duration:</b>	1 semester, can be a 3-4 credits course elective or required course
<b>Format:</b>	Lecture (40 hours), Hands-On Lab (20 hours)

### UiPath Associate RPA Developer Certification\*

<b>Goal:</b>	Assess, validate, and certify Associate Developer level knowledge & skills
<b>Applicable to:</b>	Technical students and professionals
<b>Scope:</b>	High-stakes Certification aligned to “RPA Design & Development” course

\* Certification exam fee at 50% discount for students and educators.





## Joining the Academic Alliance

We believe in smooth and transparent processes; therefore, we created a simple online enrollment process for our new Academic Alliance partners.

To join the Academic Alliance, please submit this online form on our website: <https://www.uipath.com/rpa/academic-alliance/join>. The form is for authorized school employees (whether faculty or

administrative staff). The online application includes the program's Terms & Conditions which should be carefully read and acknowledged.

We only partner with accredited public or private degree, diploma, or certificate-granting institutions. Once the completeness and accuracy of the application is validated, we will confirm our

partnership, acknowledge the Terms & Conditions and initiate communications to help introduce RPA education to your organization. Your "Welcome" email will formally acknowledge the partnership with a partnership certificate, registration directions, and the Resource Kit download instructions.

## Joining the UiPath Academic Alliance: Steps



### Apply



#### Review & Apply

- Go to <https://www.uipath.com/rpa/academic-alliance/join>
- Review the Terms and Conditions on this page
- Provide your information, your institution's information and apply



### Confirm



#### Establish partnership

- Receive a welcome email with a partnership Certificate Follow the directions to register
- Follow the directions to register and download the Resource Kit



### Prepare



#### Prepare with the Resource Kit that contains:

- Educator Kit:** To learn and prepare to teach
- Promotion Kit:** To promote the RPA curriculum to students
- Course Kit:** Course material, Educator guides, student guide etc.
- A Robot for Every Student Kit:** Course, Communications



### Go!



#### Introduce RPA in your institution!

- Launch - Go Live!



Thank you for your interest in the UiPath Academic Alliance. We look forward to helping you prepare the next generation for the future of work. Please do not hesitate to contact us via email [academic.alliance@uipath.com](mailto:academic.alliance@uipath.com)



## Robot for every student!

### Course Name

Step into Robotic Process Automation

### Delivery Method

Online Self-paced/In-class

### Course Duration

4 hours

## Step into Robotic Process Automation

### Course Description

#### Overview

The Step into Robotic Process Automation (RPA) course introduces RPA to students. Beginning with a real-world problem and how it's solved in a non-RPA environment, the course goes on to enable the students to create a robot using UiPath software (Academic Alliance Edition) to automate the solution.

#### Audience

The course is intended for students who want to learn the basics of Robotic Process Automation.

#### Pre-requisite Knowledge/Skills

To complete the course successfully the student must have basic knowledge of computers.

#### Course Objectives

Upon successful completion of this course, students should be able to:

- Understand the basics of Robotic Process Automation
- Identify processes which can be automated
- Develop and deploy basic robots independently using Academic Alliance Edition

#### Course Outline

The course comprises of 4 modules of theory with hands-on exercises.

#### Module 1: Introduction to Automation and RPA

Basics of RPA  
RPA Benefits  
Processes that can be automated  
Types of Robots

#### Module 2: Setting up the environment

Installing UiPath Academic Alliance Edition  
Installing browser extensions  
“Hello World” Robot

#### Module 3: UiPath concepts

Screen Scraping  
Recording  
Sequences and flowcharts  
Loops  
Build a Robot

#### Module 4: Advanced UiPath concepts

Data persistence  
Working with Excel  
Selectors  
Build a Robot

## Learn the value of RPA in business

### Course Name

Introduction to Robotic Process Automation for Business

### Delivery Method

Instructor-Led

### Course Duration

14 hours

## Introduction to Robotic Process Automation for Business

### Course Description

#### Overview

The Introduction to Robotic Process Automation (RPA) for Business course starts with identifying automation opportunities in an organization and dives into the stages of an automation journey, measuring the success of an implementation, and challenges students to apply RPA to new business processes.

#### Audience

The course is intended for business and finance students.

#### Pre-requisite Knowledge/Skills

To complete the course successfully, the student must understand the basics of business processes and computers.

#### Course Objectives

Upon successful completion of this course, students should be able to:

- Understand the basics of Robotic Process Automation
- Describe different business models for successful RPA implementation
- Understand and describe the various stages of automation journey
- Evaluate the success of automation implementation
- Apply RPA to business skills for developing new processes

#### Course Outline

The course comprises of 9 modules including 6 mini-skills and 3 advanced automation exercises.

#### Module 1: Introduction to RPA

**Mini-skill 1:** Opening a Browser

#### Module 2: Foundational RPA Concepts

**Mini-skill 2:** Web Search

#### Module 3: Role of a Business Manager in Automation

**Mini-skill 3:** Decision-making

#### Module 4 & 5: Automation Stages

**Mini-skill 4:** Storing an Output

**Mini-skill 5:** Iteration

#### Module 6: Evaluating the Automation Implementation

**Mini-skill 6:** Sending emails

**Module 7/Skill 1:** Ability to process information through scopes/systems

**Module 8/Skill 2:** Establish causality by variable behavior

**Module 9/Skill 3:** Inference from snapshots of curated terms

## Build Associate RPA developer skills

### Course Name

Robotic Process Automation Design & Development

### Delivery Method

Instructor-Led

### Course Duration

60 Hours

## Robotic Process Automation Design & Development

### Course Description

#### Overview

Robotic Process Automation (RPA) Design & Development course offers comprehensive knowledge and professional level skills focused on developing and deploying software robots to achieve automation. The course assumes no prior knowledge of RPA. It begins by refreshing basic programming skills and introducing basic RPA concepts. The course then introduces UiPath RPA platform and teaches a student how to use UiPath software (Academic Alliance Edition) to automate business processes. The course has a 40-hour theory and associated 20-hour lab component.

#### Audience

The course is intended for students and individuals who want to acquire the skills of designing and developing robots for process automation

#### Pre-requisite Knowledge/Skills

To understand and complete the course successfully the student must have basic programming skills

#### Course Objectives

Upon successful completion of this course, students should be able to:

- Understand the basics of Robotic Process Automation
- Use and understand the various functionalities and features of UiPath Studio and Orchestrator
- Identify processes which can be automated
- Develop and deploy attended and unattended robots independently
- Know and apply the business best practices in RPA Projects



## Build Associate RPA developer skills

### Course Name

Robotic Process Automation  
Design & Development

### Delivery Method

Instructor-Led

### Course Duration

60 Hours

### Course Outline

The 40-hour Theory course is divided into 4 different sections. Each section equips the students with the skills and knowledge which help him understand the next section.

**The sections of the course with their learning objective are:**

#### Section 1 : Programming Basics which are relevant to RPA

- Understand Basic Programming concepts and the underlying logic/structure
- Understand application and operation of basic computing and programming concepts in IT industry from RPA perspective

#### Section 2 : Basic RPA Concepts

- Describe RPA and its application
- Describe the business and management aspect of RPA implementation in an organization

#### Section 3 : UiPath Introduction & Basics

- Learn how to install UiPath software and extensions required for the course
- Describe different types of variables in Studio
- Describe Control Flow and various activities used in it
- Develop understanding and application of Data Manipulation techniques
- Understand Selectors and how they are applied in UiPath Studio

#### Section 4 : UiPath Advanced concepts and application

- Understand Image, Text and Data Tables Automation in Studio
- Understand and apply automation to Citrix, PDF, Email
- Describe various types of Exceptions and strategies to handle them
- Understand Project Organization best practices
- Understand and apply various functionalities of Orchestrator
- Develop an understanding of the current stage of application of AI/ML implementation in the industry
- Understand future direction of research in AI with respect to RPA and possible future trajectories of technology development

### Labs

The Lab component of the course is of 20 hours duration constituting of exercises mapped to the theory course. Each exercise aims at helping the student practice and apply the skills learnt in the theory section of the course.



**Want to Learn More?**

[www.uipath.com/rpa/academic-alliance](http://www.uipath.com/rpa/academic-alliance)

Email: [Academic.Alliance@uipath.com](mailto:Academic.Alliance@uipath.com)

Follow us:



[www.facebook.com/UiAcademics](https://www.facebook.com/UiAcademics)