

COURSE PROSPECTUS

Name of the Group:	Embedded Systems
Name of the Course:	Online Certificate course on Robotic Process Automation
Course Code:	RP100
Starting Date:	9 th August 2021
Duration:	2 Weeks
Course Coordinator:	Gokilapriya V
Last date of Registration:	4 th August 2021

Preamble:

Robotic Process Automation (RPA) is the technology that allows computer software to mimic actions typically performed by humans interacting with digital systems to execute business processes. Robotic Automation uses a computer (aka Robot) to run application software in the exact same way that a person works with that software. RPA configures software that will automate the tasks or activities previously performed by humans. RPA aims to replace repetitive tasks performed by humans, with a virtual workforce. Humans then make judgement calls, handle exceptions and provide insight.

RPA is economically efficient than any other automation solutions that exist currently. Implementing RPA for redundant business processes also enables human beings to shift their focus from repetitive tasks to tasks requiring emotional intelligence, reasoning, judgement and interactions with the customers. Nowadays, Robotic Process Automation are used in banking, manufacturing & retail, insurance, HR, healthcare, travel & logistics, Government & telecom industries.

RPA is the simple and powerful business process automation software. It uses a machine (robot) that possesses tangible integration and automation capabilities which can mimic human interactions with web applications, web sites, portals, Excel worksheets, legacy green-screen apps, and email and helps automate the tasks. A March 2017 report from Research and Markets reveals that **“The robotic process automation market is estimated to reach USD 2,467.0 million by 2022, at a Common Annual Growth Rate (CAGR) of 30.14% between 2017 and 2022”**. This RPA course focuses on the creation, testing and validation of business tasks using UiPath based software robots/digital worker.

Objective of the Course:

To develop the skillset required for the students/professionals to work in creation, testing and validation of the automation tasks in RPA using UiPath

Outcome of the course:

- Understand what Robotic Process Automation (RPA) is all about
- Able to learn about one of the powerful RPA tools
- Apply the UiPath RPA tools and functions in various industries
- Hands on exposure in different automation projects
- Perform and control various tasks using RPA bots

Course Syllabus:

- Introduction to RPA and UiPath Studio
- Different panels in UiPath Studio
- Types of variables and Handling Data
- Data Types and Regular Expressions
- Decision control
- Workflows - sequence, flowchart, state machines
- Excel and Data Tables
- PDF Automation
- Email Automation
- Selectors
- Exception Handling
- Debugging
- Case Studies
 - Payslip Generation
 - Automatic Payslip sending via email
 - Filling the google form from the data in the excel sheet
 - Colouring the excel based on full marks scored in each subject
 - Invoice generation from excel data
 - Patient Appointment Scheduling
 - COVID 19 Beds Availability Status
 - Checking the status of a webpage and taking a screenshot and sending it via mail
 - Checking each and every grocery items availability in home before leaving for shopping
 - Checking the States, Capitals of a Country from the data provided.
 - Renaming the documents based on the name of the candidate
 - PDF Splitting and Merging
 - Guessing a Random Number

Other Details:

Course Fees: Rs. 1500/- (Including GST) (Non-Refundable)

However the above registration fee shall be refunded on few special cases as given below:

1. If course postponed and new date is not convenient for the student.
2. If course cancelled.

Payment schedule: The Fee is to paid in one instalment as given below.

Instalment No.	Last Date for Payment	Amount (in Rs.)
1.	04-08-2021	Rs.1,500/-

Eligibility: XII standard

Number of Seats: 30



National Institute of Electronics and Information Technology, Chennai

How to apply:

Candidates can apply online in our website <https://reg.nielitchennai.edu.in/>. Payment towards Course fee can be paid through any one of the following modes:

- ✓ Online transaction: **Beneficiary Name: NIELIT CHENNAI, Account No: 31185720641, Branch: Kottur (Chennai), IFSC Code: SBIN0001669.**
- ✓ Pay through Unified Payment Interface (UPI) payment methods eg: Google Pay, Paytm, BHIM, Phone Pe
- ✓ DD drawn from a nationalized bank (preferably SBI) in favor of —NIELIT Chennai payable at Chennai.

Note: The Institute will not be responsible for any mistakes done by either the bank concerned or by the depositor while remitting the amount into our account.

Last date of Registration: 4th August 2021

Selection of candidates: First Come First Serve basis

Admission Procedure:

All interested candidates are required to fill the Registration form with the Course fees before 4th August 2021 with all the necessary following documents.

- One passport size photograph and one stamp size photograph for identity card.
- Self-attested copy of Govt. issued photo ID card.
- Candidates may also submit the certificate of their highest qualification

Note: Working days are from Monday to Friday.

Discontinuing the course: No fees under any circumstances shall be refunded in case of a student discontinuing the course. No certificate shall be issued if discontinued.

Course Duration: 2 Weeks/20Hrs. (Monday-Friday)

Course Timings: 10 AM to 12 PM

Mode of Training: Online

Certification:

Certificate will be issued to the participants based on the marks scored in the examination conducted after the completion of training. The grading pattern will be as below:

Grade	S	A	B	C	D	Fail
Marks Range (in %)	85 to 100	75 to 84	65 to 74	55 to 64	50 to 54	Below 50

Location: NIELIT Chennai is located at Gandhi Mandapam Road, Kotturpuram, Chennai (Landmark: Opp. To Anna Centenary Library)



National Institute of Electronics and Information Technology, Chennai



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Contact Person: Gokilapriya V, Mobile: 9962900976

Course enquiries: Students can enquire about the various courses either on telephone or by personal contact between 9.15 A.M. to 5.15 P.M. (Lunch time 1.00 pm to 1.30 pm) Monday to Friday.