



P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belagavi)

Fifth Semester, B.E. - Information Science and Engineering

Semester End Examination; February / March - 2022

Robotic Process Automation

Time: 3 hrs

Max. Marks: 100

Course Outcomes

The Students will be able to:

CO1: Illustrate Robotic Process Automation technology with simple examples using UiPath Studio.

CO2: Apply UiPath programming techniques and explore various data manipulation techniques.

CO3: Explore various data extraction techniques and Integrate with various popular applications such as SAP and MS Office.

CO4: Debug a programmed robot including logging and exception handling.

CO5: Maintain code version, source control and deploy & control Bots with UiPath Orchestrator.

Note: I) PART - A is compulsory. Two marks for each question.

II) PART - B: Answer any **Two** sub questions (from a, b, c) for Maximum of **18 marks** from each unit.

Q. No.	Questions	Marks	BLs	COs	POs
I : PART - A		10			
I a.	List the main types of projects supported by UiPath.	2	L1	CO1	PO1
b.	Explain the purpose and use of arguments.	2	L1	CO2	PO1
c.	List out four types of recording in UiPath Studio.	2	L1	CO3	PO1
d.	What are assistant bots?	2	L1	CO4	PO1
e.	Explain some of the best practices considered, while working on UiPath automation projects.	2	L1	CO5	PO1
II : PART - B		90			
UNIT - I		18			
1 a.	What is Robotic Process Automation? Explain any four benefits being widely accepted across industries.	9	L2	CO1	PO1
b.	Compare and contrast the main types of projects supported by UiPath studio.	9	L4	CO1	PO1
c.	Explain the purpose of the following from UiPath Studio:				
	i) Properties Panel and Activities Panel	9	L2	CO1	PO1
	ii) Variable Panel and Argument Panel				
UNIT - II		18			
2 a.	Explain the importance of the following control flow activities:				
	i) The assign activity	9	L1	CO2	PO1
	ii) Delay activity				
	iii) Break activity				
b.	Write down the steps to build data table using data scarping in UiPath Studio.	9	L3	CO2	PO1
c.	Explain any three Excel file operations with step-by-step example.	9	L2	CO2	PO1

UNIT - III**18**

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|------|---|---|----|-----|-----|
| 3 a. | List and explain mouse and keyboard activities in UiPath Studio. | 9 | L2 | CO3 | PO1 |
| b. | Explain the screen scraping methods and also compare its properties. | 9 | L2 | CO3 | PO1 |
| c. | Explain advantages of SAP automation and also list the examples, where SAP automation is used commonly. | 9 | L2 | CO3 | PO1 |

UNIT - IV**18**

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|------|---|---|----|-----|-----|
| 4 a. | Write down the steps to monitor a send email through Gmail. | 9 | L3 | CO4 | PO1 |
| b. | Define Exception. Explain try and catch block to handle the exceptions with an example. | 9 | L2 | CO4 | PO1 |
| c. | Explain the steps for launching an assistant bot on a keyboard event. | 9 | L2 | CO4 | PO1 |

UNIT - V**18**

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|------|--|---|----|-----|-----|
| 5 a. | Explain how to nest a workflow inside a single workflow and list the methods for reusability of workflows? | 9 | L2 | CO5 | PO1 |
| b. | Define Orchestrator. Explain the steps to be followed to publish a workflow in UiPath. | 9 | L2 | CO5 | PO1 |
| c. | Explain Queues and Assets in UiPath Orchestrator. | 9 | L2 | CO5 | PO1 |

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