U.S.N.										

B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

July 2023 Semester End Main Examinations

Programme: B.E.   Semester: VI
Branch: Institutional Elective   Duration: 3 hrs.
Course Code: 21CC6OE1RD   Max Marks: 100
Course: Robotic Process Automation Design and Development   Date: 07.07.2023

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
               2. Missing data, if any, may be suitably assumed.

			UNIT - I	CO	PO	Marks
1	a)		Explicate the core components of RPA with a neat diagram.	*CO1*	*PO1*	**08**
	b)		Outline the details of task recorder used in UiPath Studio.	*CO1*	*PO1*	**08**
	c)		Intricate the major industries that benefit from RPA.	*CO1*	*PO1*	**04**
			UNIT - II			
2	a)		Given an array of integers, construct a workflow in UiPath and explain the steps to get an average (or mean) value of the integers using For each looping construct.	*CO3*	*PO3*	**10**
	b)		Illustrate the steps in UiPath to extract data from the excel file having random student info of a department such as (USN, Name, Email, City), sort the data based on USN and export the sorted info to an excel file.	*CO3*	*PO3*	**10**
			OR			
3	a)		Explain in detail any four Control flow activities in UiPath.	*CO1*	*PO1*	**08**
	b)		Define Data table. Illustrate the steps in UiPath to build a data table and display its content.	*CO3*	*PO3*	**08**
	c)		Illustrate the use and scope of Variables and Arguments in UiPath.	*CO2*	*PO2*	**04**
			UNIT - III			
4	a)		Outline the steps in UiPath to extract the first 50 search results into a data table in "www.google.co.in" search engine when you search for "BMS College of Engineering".	*CO3*	*PO3*	**10**
	b)		Discuss the keyboard activities in UiPath Studio.	*CO1*	*PO1*	**06**
	c)		List and briefly explain credential management activities in UiPath.	*CO1*	*PO1*	**04**
			OR			

	5	a)	Illustrate with an example on how the use of OCR helps in designing better workflows.	*CO2*	*PO2*	**08**
		b)	Illustrate any four activities in UiPath that can be used to find the controls on screen.	*CO1*	*PO1*	**08**
		c)	Discuss any scenario where Mail Plugin will be useful in UiPath Studio.	*CO2*	*PO2*	**04**
			UNIT - IV			
	6	a)	Illustrate the steps in UiPath involved in monitoring a copying event and blocking it.	*CO3*	*PO3*	**08**
		b)	Illustrate various techniques available for debugging in UiPath.	*CO3*	*PO3*	**08**
		c)	How UiPath supports Exception Handling? Explicate.	*CO2*	*PO2*	**04**
			UNIT - V			
	7	a)	Illustrate the use of configuration (or config) files in UiPath with an example.	*CO3*	*PO3*	**10**
		b)	Detail out on the role of Orchestrator/Orchestration Server in managing bots, queues, process and assets.	*CO2*	*PO2*	**10**

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