

**VIT**Vellore Institute of Technology
(Approved by the University Grants Commission of India)

Reg. No. : 21BR51106

Final Assessment Test(FAT) - Nov/Dec 2024

Programme	B.Tech.	Semester	Fall Semester 2024-25
Course Code	BCSE426L	Faculty Name	Prof. Pavithra S
Course Title	Robotic Process Automation	Slot	D1
		Class Nbr	CH2024250101743
Time	3 hours	Max. Marks	100

General Instructions

- Write only Register Number in the Question Paper where space is provided (right-side at the top) & do not write any other details.

Course Outcomes

1. Gain insights into Robotic Process Automation Technology
2. Demonstrate the underlying logic/structure related to RPA using UiPath platform
3. Classify several types of data inside a workflow and, gain skills in building workflows in UiPath
4. Comprehend different types of variables, Control Flow and data manipulation techniques
5. Identify and understand Image, Text and Data Tables Automation
6. Design automation to Email and various types of Exceptions and strategies to handle
7. Realize the trends in RPA technology and industrial process automation using RPA

Section - I**Answer all Questions (4 × 15 Marks)*****M - Marks**

Q.No	Question	*M	CO	BL
01.	VIT's Admissions section is engaged in high volume, repetitive tasks which when automated will help them efficiently streamline the admission process and reduce manpower required. The section's work encompasses the following operations: Releasing the VITEEE application form, sending E-Admit card for valid applications, communicating VITEEE rank, Online counseling for branch allotment as per preference order for eligible students, Provisional allotment letter, Orientation schedule for allotted students, Generate register number, Profile creation, VIT Mail ID creation, Certificate collection and Verification, Admission withdrawal process for applied students. As an RPA developer, identify any 5 non overlapping tasks that can be automated and explain the workflow.(15 Marks)	15	1	1
02.	As an RPA Developer you are responsible for automating the generation of financial reports for Maruti's quarterly review. The process involves extracting data from 3 Excel files which contains the following information on sales, expenses and revenue from three different products Celerio, WagonR and Brezza. i) Describe the method to create data table in UiPath. (4 Marks) ii) Design a suitable workflow and sequence to read data from multiple Excel files. (8 marks) iii) Consolidate into a single Data Table with explanation . (3 Marks)	15	3	3