

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

Lesson Plan & Work-done Diary for AY: 2026-27, ODD Semester

Course with Code: Robotic Process Automation Design and Development (UiPath) – BCG701				Faculty: Prof. Yogesh N			Semester & Section: VII	
Class No.	Date Planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1		Introduction to the course	PPT	1				
2		Robotic Process Automation: Overview: Return on Investment (ROI), Automation Types, UiPath StudioX	PPT	2				
3		Common Concepts: Notebook, Activity Inputs, Activity Outputs, Common Properties, Common Activities	PPT	3				
4		Write Line: Message Box, Input Dialog	PPT	4				
5		Modify Text., Text to Left/Right, Delay, if	PPT	5				
6		Switch., Repeat Number of Times, Skip Current, Exit Loop	PPT	6				
7		Get Username/Password, Get Orchestrator Asset, Save For Later	PPT	7				
8		Wait for Download, Group	PPT	8				

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MODULE-2								
1		UI Automation: Sample Overview, Activities Reference, Use Application/Browser, Go To URL	PPT	1				
2		Navigate Browser, Highlight, Take Screenshot	PPT	2				
3		Check App State, Click, Type Into	PPT	3				
4		Select Item, Check/Uncheck, Get Text, Get Attribute	PPT	4				
5		Extract Table Data, Hover	PPT	5				
6		Keyboard Shortcuts, Get Active Window	PPT	6				
7		Maximize Window, Minimize Window, Hide Window, Restore Window	PPT	7				
8		Move Window. App/Web Recorder	PPT	8				

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MODULE-3								
1		Mail Automation: Sample Overview: Desktop Outlook Setup, File System Structure, Use Desktop Outlook App	PPT	1				
2		Use Gmail, For Each Email, Mark Email as Read/Unread	PPT	2				
3		Forward Email, Save Email Attachments, Save Email, Send Email	PPT	3				
4		Send Calendar Invite, Move Email, Reply to Email, Archive Email, Delete Email	PPT	4				
5		Word Automation: Sample Overview: Word Setup, File System Structure, Activities Reference: Use Word File	PPT	5				
6		Save Document As, Read Text, Set Bookmark Contant, Replace Text in Document	PPT	6				
7		Append Text, Insert Data Table in Document	PPT	7				
8		Replace Picture, Add Picture, Save Document as PDF	PPT	8				

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Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-4								
1		Excel Automation: Sample Overview, Activities Reference, Use Excel File, Insert Sheet, Rename Sheet, Duplicate Sheet, Delete Sheet	PPT	1				
2		For Each Excel Sheet, Insert Column, Text To Columns, Delete Column	PPT	2				
3		Insert Rows, Delete Rows, Find First/Last Data Row, For Each Excel Row, Write Cell, Create Pivot Table	PPT	3				
4		Format as Table, Change Pivot Data Source, Refresh Pivot Table	PPT	4				
5		Append Range, Copy Range, Sort Range, Clear Sheet/Range/Table	PPT	5				
6		Auto Fill, Fill Range, Write Range, Read Cell Formula, Read Cell Value, Format Cells, Export to CSV	PPT	6				
7		Save Excel File, Save Excel File As, Save Excel File As PDF	PPT	7				
8		VLookup, Filter, Run Spreadsheet Macro	PPT	8				

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Course with Code: Robotic Process Automation Design and Development (UiPath) - BCG701				Faculty: Prof. Yogesh N			Semester & Section: VII	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-5								
1		File Automation: Sample Overview. Activities Reference: Get Folder Info	PPT	1				
2		Folder Exists, Create Folder, Delete Folder, Copy Folder, Move Folder	PPT	2				
3		For Each File In Folder, Compress/Zip Files, Extract/Unzip Files	PPT	3				
4		Get File Info, File Exists, Create File, Delete File, Copy File, Move File, Write Text File, Append Line, Read Text File	PPT	4				
5		Presentation Automation: Sample Overview, File System Structure., Activities Reference, Use PowerPoint Presentation, Copy Paste Slide	PPT	5				
6		Delete Slide, Add New Slide, Replace Text in Presentation	PPT	6				
7		Add Text to Slide., Add Data Table to Slide	PPT	7				
8		Add File to Slide., Run Presentation Macro, Save PowerPoint File As, Save Presentation as PDF	PPT	8				

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	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments/ Quizzes/ Self-study	01/05		
3	Tutorials/ Extra classes	00		
4	Internal Assessments	03		
5	ICT based Teaching (% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	

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Lesson Plan & Work-done Diary for AY: 2026-27, ODD Semester

Course with Code: Robotic Process Automation Design and Development (UiPath) –BCG701 Lab				Faculty: Prof. Yogesh N		Semester & Section: VII		Batch: B1 & B2
Lab No.	Date Planned (DD/MM)	Topics to be covered	TLP Planned	Lab No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
Lab Exercises								
1		Introduction to the lab	PPT	1				
2		Develop automation in UiPath StudioX to demonstrate the following activities: Write Line: Message Box, Input Dialog. Modify Text., Text to Left/Right and Delay.	PPT	2				
3		Develop automation in UiPath StudioX to demonstrate the following activities: if, Switch., Repeat Number Of Times. , Skip Current, Exit Loop.	PPT	3				

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4		Develop UI automation in UiPath StudioX to demonstrate the following activities: Use Application/Browser, Go To URL, Navigate Browser, Highlight and Take Screenshot.	PPT	4				
5		Develop UI automation in UiPath StudioX to demonstrate the following activities: Check App State, Click, Type Into, Select Item, Check/Uncheck, Get Text, Get Attribute, Extract Table Data and Hover.	PPT	5				
6		Develop UI automation in UiPath StudioX to demonstrate the following activities: Get Active Window, Maximize Window, Minimize Window, Hide Window, Restore Window and Move Window.	PPT	6				
7		Develop Word automation in UiPath StudioX to demonstrate the following activities: Use Word File., Save Document As, Read Text, Replace Text in Document, Append Text, Replace Picture, Add Picture, Save Document as PDF.		7				

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8		Develop Excel automation in UiPath StudioX to demonstrate the following activities: Use Excel File, Insert Sheet, Rename Sheet, Duplicate Sheet, Delete Sheet, For Each Excel Sheet, Insert Column, Text To Columns, Delete Column.	PPT	8				
9		Develop Excel automation in UiPath StudioX to demonstrate the following activities: Insert Rows, Delete Rows, Find First/Last Data Row, For Each Excel Row, Write Cell, Create Pivot Table., Save Excel File As..., Save Excel File As PDF.	PPT	9				
10		Develop Excel automation in UiPath StudioX to demonstrate the following activities: Refresh Pivot Table, Append Range, Copy Range, Sort Range, Clear Sheet/Range/Table, Auto Fill, Fill Range, Write Range, Read Cell Formula., Read Cell Value, Format Cells, Export to CSV.	PPT	10				

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11		Develop File automation in UiPath StudioX to demonstrate the following activities: Get Folder Info, Folder Exists, For Each File In Folder, Compress/Zip Files, Extract/Unzip Files, Get File Info, File Exists, Create File, Delete File, Copy File, Move File, Write Text File, Append Line., Read Text File.	PPT	8				
12		Develop Presentation automation in UiPath StudioX to demonstrate the following activities: Use PowerPoint Presentation, Copy Paste Slide, Delete Slide, Add New Slide, Add Text to Slide., Add Data Table to Slide, Add Image/Video to Slide, Save PowerPoint File As., Save Presentation as PDF.	PPT	9				

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	Activity	Planned	Actual	Remarks
1	Theory Classes	12		
2	Assignments/ Quizzes/ Self-study	-		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	01		
5	ICT based Teaching (% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	