Page No. of

5.86

i. Fac

S.No.		Proposed No. of Sessions			
		 *	Ep C Some	4	7 - 1000 2 - 1 - 1000
			S 8		

DEPARTMENT OF INFORMATION TECHNOLOGY TEACHING PLAN

Course Code	Course Title	Semeste r	Branch	Contact Periods /Week	Academic Year	Date of commencem ent of Semester		
20IT3S01	DATA ANALYSIS AND VISUALIZATION Lab	Ш	CSE-CS	3 Periods	2023-24	07-08-2023		
OURSE OU								
1	How to present data using some of the data visualization libraries in Python, including Matplotlib, Seaborn and Folium							
2	How to use basic visualization tools, including area plots, histograms, and bar charts							
3	How to use specialized visualization tools, including pie charts, box plots, scatter plots and bubble plots							
4	How to use advanced visualization tools, including waffle charts, word clouds and Seaborn and regression plots							
5	How to create maps and visualize geospatial data.							
Experiment Number	Experiment					Contact Hours		
1	What is a Spreadsheet and explain its operations?					3		
2	2. What are the 4 types of	f business	analytics a	and explain it	?	3		
	3. Explain the following							
3	(a) IF (b) Nested IF (c) HLOOKUP (d) VLOOKUP							
	Explain some Statistica	al function	s with exa	mples?				
4	i. COUNT functionii. COUNT A function	i pai	3					
	iii. COUNTIFS fund	ction				11 11 11 11 11 11 11 11		
	4. Create a table and apply Intermediate Statistical functions with							
	examples.							
5	i. MEDIAN function	3						
	ii. STANDARD DEVIA iii.QUARTILES functio							
	Create a table with an example to represent Data Visualization by using							
6	MS Excel charts							
	Write a program for the	Data View	alization w	sina matalatl	ih in Duthon	3		

LAB SCHEDULE PLAN

roposed of Sessions

of icem of ter

2023

ding

rts

plots

and

rs

Page No.

of

S.No.	Proposed No of Session				
	8	Write a program for tools in Python. i. PIE chart ii. Scatter plot	3		
	9		3		
	10		3		
	11	Explain some tech	niques to Visualize Geospatial Data in Pyth	on.	3
	12	Write about Chord	ppleph maps with a Python program		3
			CUMULATIVE PROPOSED PERIODS	:14] [1]	36
			Name	Signature	with Date
i	Facult	у	Mrs. R. Uma Aruna Devi	ROAD	
i.	Modu	le Coordinator	Mr. KSS Narayana	()	27
III.	Progra	amme Coordinator	Dr. RVVSV Prasad	dis	parad

Principal