



SWARNANDHRA

COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956, Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada, Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

DEPARTMENT OF INFORMATION TECHNOLOGY

TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement of Semester
20IT3S01	Data Analysis and Visualization Lab	III	CSE & BS	3 Periods	2023-24	07-08-2023
COURSE OUTCOMES						
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	What are the 4 types of business analytics and explain it?					3
3	Explain the following Logical Functions i. IF ii. Nested IF iii. HLOOKUP					3
4	Explain some Statistical functions with examples?					3
5	What is Data Visualization and why is It Important?					3
6	Explain the data visualization using matplotlib in python?					3
7	Describe some of the basic and specialized Visualization tools?					3
8	Explain the following advanced Visualization tools i. Waffle Charts ii. Word Clouds iii. Seaborn					3
CUMULATIVE PROPOSED PERIODS					24	



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		Name	Signature with Date
i.	Faculty Members	Mr.K.Bhanu Chand	<i>K. Bhanu Chand</i> 7/8/23
ii.	Module Coordinator	Mr. K Raja	<i>K. Raja</i> 7/8/23
iii.	Programme Coordinator	Dr. RVVSV Prasad	<i>Dr. RVVSV Prasad</i> 7/8/23

Principal