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Department of Research & Development
Mid - Term Examinations - SEPTEMBER 2024

Odd Semester: Ph.D. Course Work	Date: 27 /09/2024
Course Code: MGT918	Time: 2:00pm – 3:30pm
Course Name: Data Visualization	Max Marks: 50
Department: School of Management	Weightage: 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 5 marks.		4Qx5M=20M
1	Create a histogram using Matplotlib to represent the distribution of a given dataset.	5 Marks
2	Explore different visual encodings used in data visualization (e.g., position, color, size). Discuss how choosing appropriate encodings can influence the interpretation of data.	5 Marks
3	Use Seaborn to create a pair plot for exploring relationships between multiple variables in a dataset.	5 Marks
4	Design a scatter plot with color gradients representing a third dimension in the data.	5 Marks

Part B

Answer ALL Questions. Each question carries 15 marks.		2QX15M=30M
5	Create a line chart to tell a story about the trend in a dataset over time. Interpret the results.	15 Marks
6	Use Plotly to create a pie chart and bar chart to compare categorical data effectively. Interpret the output.	15 Marks