

# **Data Visualization**

**(01CE0614)**

**Department of Computer Engineering**

**6<sup>th</sup> Semester**

**Lab Manual**

**(Jan-May, 2025-26)**

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<b>Subject Name (Subject code)</b>	Data Visualization (01CE1614)	<b>Semester (Class)</b>	6 EC-3
<b>Batch (A/B/C)</b>	B	<b>Lab/ Week</b>	1 Lab

<b>S. No.</b>	<b>Experiment Title</b>	<b>Date</b>	<b>Page No.</b>	<b>Sign.</b>
1	Create a line chart to show trends over time			
2	Create a pie chart to show the distribution of data			
3	Create a scatter plot to show the relationship between two variables			
4	Create a histogram to show the distribution of a continuous variable			
5	Create a heatmap to show the relationship between two or more variables			
6	Create a treemap to show the hierarchical structure of data			
7	Create a map to show the geographic distribution of data			
8	Create a dashboard to combine multiple visualizations into a single view			
9	Use filters and groups to explore your data in different ways			
10	Use custom formatting to improve the appearance of your visualizations			
11	Use custom formatting to improve the appearance of your visualizations			
12	Visualize the sales of a company by product category and region			
13	Track the performance of a marketing campaign over time			
14	Analyze customer behavior and identify trends			
15	Create a dashboard to track key performance indicators (KPIs) for a business			