 

Boot Camp on Artificial Intelligence

**Practical Assignment - 2**

**Date of Submission: Maximum Marks:**

**Lab Assignment:**

Data Visualization Using Python

**Objective:**

To visualize data using Python libraries Matplotlib and Seaborn. You will create and

interpret various types of plots using the provided dataset, enhancing your ability to

communicate insights through data visualization.

**Tasks:**

1. Load and inspect the dataset.

2. Visualize the sales distribution across product categories using a bar plot.

3. Visualize the relationship between Sales and Profit using a scatter plot.

4. Create a histogram to display the distribution of Quantity sold.

5. Generate a box plot to compare Discounts given in each Region.

6. Create a heatmap showing the correlation between different numerical variables.