**Assignment Brief**

**Title: Build a Financial Insights Dashboard and Scoring Model**

**Assignment Brief**

1. **Data Analysis**:

• Analyze the dataset to: • Identify family-level and member-level spending patterns.

• Understand correlations between financial metrics (e.g., income vs. expenses, savings vs. spending habits).

2. **Build a Financial Scoring Model**:

• Develop a scoring mechanism (range: 0–100) to evaluate each family's financial health.

• Factors to include: • Savings-to-Income Ratio.

• Monthly Expenses as a percentage of Income.

• Loan Payments as a percentage of Income.

• Credit Card Spending trends.

• Spending category distribution (e.g., higher travel/entertainment spending lowers the score).

• Financial Goals Met (%).

• Provide a **justification for the scoring logic and weights** assigned to each factor.

3. **Insights Visualization**:

• Use **Python** with **Matplotlib**, **Seaborn**, or **Plotly** to visualize: • Spending distribution across categories.

• Family-wise financial scores.

• Member-wise spending trends.

• Include at least 3 meaningful visualizations.