

## ASSIGNMENT C

### 1. Financial Statement Dashboard:

Build a dynamic financial statement dashboard.

**Task:**

- Load data for revenue, expenses, and profit.
- Create measures for net income and gross margin.
- Use slicers for dynamic period analysis (e.g., monthly, quarterly).

### 2. Predictive Analysis for Sales Forecasting:

Use DAX to implement basic sales forecasting

**Task:**

- Import historical sales data.
- Create a rolling average measure for forecasting.
- Visualize forecasts with a line chart.

### 3. Customer Lifetime Value Analysis:

Calculate and visualize customer lifetime value.

**Task:**

- Load customer purchase history.
- Use DAX to calculate total value per customer.
- Create visuals showing high-value customers by region.

### 4. Dynamic Pricing Model:

Implement a pricing model based on supply and demand.

**Task:**

- Import datasets on stock levels, prices, and sales.
- Create DAX measures for dynamic price recommendations.
- Use a scatter plot to compare price elasticity.

## **5. Supply Chain Optimization Dashboard:**

Visualize supply chain performance and bottlenecks.

### **Task:**

- Load datasets on shipments, delays, and costs.
- Use DAX to calculate average delay times and transportation costs.
- Create a comprehensive dashboard with KPIs and maps.