**AIML PROJECT**

TITLE: VEGETABLE MART DATA ANALYSIS USING MACHINE LEARNING

TEAM NO-4

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**Problem Statement:** In urban areas, effective management and distribution of fresh produce are vital for ensuring food security, minimizing waste, and optimizing supply chains. As cities evolve into smart cities, there exists an opportunity to harness data-driven insights to improve the operations of vegetable marts.

**Explanation:** The aim of the "Vegetable Mart Data Analysis Using Machine Learning" project is to analyse sales, customer behaviour, and inventory data. This helps in predicting demand, optimizing pricing, managing inventory efficiently, and improving customer satisfaction, ultimately leading to better decision-making and increasing profits for the mart**.**

**Algorithm: -**

1, **Collection of Data**: Gather real-time sales data, customer purchase history, and inventory levels additional data on product prices, customer demographics, weather, and seasonal trends

2. **Preprocessing**: Normalize the data and create relevant features such as average daily sales, customer segments, and product categories.

**3.Machine learning model:** A machine learning model decision trees or neural networks that predicts the most appropriate recommendation for the user.

4. **Feedback Loop**: Collect feedback from customers on their satisfaction with recommendations and overall shopping experience.

**REFERENCES:**