**Machine Learning Lab Mini-Project**

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### **Problem statement:**

Buying or selling stocks in High-Frequency Stock Trading using Logical Models

### **Abstract:**

This project involves creating a logical model that analyses stock prices, trading volumes, and technical indicators to provide automated buy or sell recommendations in a high-frequency trading environment. By leveraging machine learning techniques, this model aims to enhance profitability while eliminating the impact of psychological biases associated with manual trading execution.

### **Keywords:**

High-frequency trading, stock prices, trading volumes, technical indicators, automated trading, machine learning, buy or sell decisions.

### **Objectives:**

To improve profitability and overall efficiency, trading decisions in high frequency trading environment are automated and thereby neutralising the effects of psychological behavioural aspects associated with manual trade execution.

### **Data source:**

Historical and current stock price data can be sourced from brokers platforms or stock exchanges such as NASDAQ, NYSE, or NSE.