# Problem Statement: Algorithmic Trading Strategy Design

## Objective

Design and backtest an algorithmic trading strategy for **ETH/USDT** on **TradingView** using **Binance Exchange data**. The strategy should be presented in the form of a **3-minute presentation**, highlighting its performance metrics and trade logic.

## Scope & Requirements

- Develop a trading strategy for **any chosen timeframe** (candles ranging from **1 minute to 1 day**).
- Implement and backtest the strategy on **TradingView (Pine Script)**.
- Trading conditions:
  - Average bars per trade $> 5$
  - Initial Capital = **$1000**
  - Order size = **100% of equity**
  - Recalculate after every tick = **OFF**

## Expected Deliverables (Presentation)

1. **Strategy Explanation** – logic behind entry & exit conditions.
2. **Performance Metrics** –
   - Profit & Loss
   - Sharpe Ratio
   - Maximum Drawdown
   - Win Rate (%)
3. **Insights** – strengths, weaknesses, and potential improvements.

## Team Guidelines

- **Team Size:** 3–5 members
- **Submission Deadline:** 28th September
- **Format:** PowerPoint presentation (3 minutes max)

## Point of Contacts

For any queries, feel free to reach out to:

- Harsh Anand - 9798912484
- Gaurav Yadav - 7905100532

## WhatsApp Group Links

Join the group for updates and coordination:

- **Join WhatsApp Group**