

## Ideation Phase

Date	17 February 2026
Team ID	LTVIP2026TMIDS54446
Project Title	Online Payment Fraud Detection System using Machine Learning
Maximum Marks	4 Marks

### Customer Problem Statements – Extended

PS-1: I am an online banking customer trying to perform secure transactions, but increasing cyber fraud activities make it difficult to trust online platforms, which makes me feel anxious and insecure about my finances.

PS-2: I am a bank administrator trying to detect fraudulent transactions in real time, but fraud cases are rare and the dataset is highly imbalanced, which makes accurate detection challenging.

PS-3: I am a business owner trying to ensure safe digital payments, but excessive false fraud alerts slow down legitimate transactions, which affects customer satisfaction.