

Project Design Phase
Proposed Solution Template

Date	17 February 2026
Team ID	LTVIP2026TMIDS57934
Project Name	Online Payments Fraud Detection using Machine Learning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Online payment fraud leads to financial loss and reduced trust, requiring real-time detection.
2.	Idea / Solution description	ML-based system to analyse transactions and flag suspicious activities instantly.
3.	Novelty / Uniqueness	Adaptive models that learn from new data to improve accuracy and reduce false alerts.
4.	Social Impact / Customer Satisfaction	Improves payment security and increases customer trust in digital transactions.
5.	Business Model (Revenue Model)	Subscription or usage-based SaaS for banks and fintech companies.
6.	Scalability of the Solution	Can scale to large transaction volumes using cloud-based infrastructure.