Project Design Phase
Proposed Solution Template

Date	31 January 2026
Team ID	LTVIP2026TMIDS55701
Project Name	Online Payment Fraud Detection using Machine Learning
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Online payment fraud causes significant financial losses to businesses and consumers. Existing
2.	Idea / Solution description	A Flask-based web application that uses a machine learning classifier (SVM/Random Forest) t
3.	Novelty / Uniqueness	Combines multiple classification algorithms (Random Forest, SVM, Decision Tree, ExtraTrees
4.	Social Impact / Customer Satisfaction	Protects consumers from financial harm and identity theft. Reduces chargeback rates for merch
5.	Business Model (Revenue Model)	Can be offered as a SaaS (Software as a Service) to banks, fintech companies, and e-commerce
6.	Scalability of the Solution	The modular architecture allows retraining on expanded or region-specific datasets. Additional