

Project Design Phase

Problem – Solution Fit Template

Date	5 February 2026
Team ID	LTVIP2026TMIDS76029
Project Name	Online Payments Fraud Detection using Machine Learning
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem–Solution Fit in this project means that we have identified a real and critical problem faced by banks, financial institutions, and online payment platforms — **increasing online payment fraud** — and developed a machine learning solution that effectively solves this problem.

Purpose:

- The purpose of this project is to detect fraudulent online payment transactions.
- The system uses machine learning to identify suspicious transaction patterns.
- Ensure that banks, payment platforms, and fintech companies get a practical, scalable, and automated fraud detection system.
- Reduce fraud losses and improve customer confidence in digital payment systems.
- Use transaction data, behavioral patterns, and ML models to make intelligent fraud predictions instead of relying on manual rules.

Template:

