

## Project Initialization and Planning Phase

Date	19 June 2026
Team ID	LTVIP2026TMIDS80731
Project Title	Online Payment Fraud Detection using ML
Maximum Marks	3 Marks

### Project Proposal (Proposed Solution)

<b>Project Overview</b>	
Objective	To Identify the Online Frauds involved in Payment transaction In Online using a ML model.
Scope	Define the boundaries and extent of the project
<b>Problem Statement</b>	
Description	Online fraud can cause Theft of the others money while any online transactions,
Impact	Loss of money due to transaction with untrustable accounts
<b>Proposed Solution</b>	
Approach	To collect the dataset of bank online transactions and train and ML model to predict the fraud account payment transaction.
Key Features	To avoid and Identify frauds in online, to make secure and trustable transactions.

### Resource Requirements

Resource Type	Description	Specification/Allocation
<b>Hardware</b>		
Computing Resources	CPU/GPU specifications,	Intel Core i7

	number of cores	
Memory	RAM specifications	8 GB
Storage	Disk space for data, models, and logs	1 TB SSD
<b>Software</b>		
Frameworks	Python frameworks	Flask
Libraries	Additional libraries	scikit-learn, pandas, numpy
Development Environment	IDE, version control	Jupyter Notebook, Git, VS code
<b>Data</b>		
Data	Source, size, format	Kaggle dataset