Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	21 February 2026
Team ID	LTVIP2026TMIDS65711
Project Name	Online Payments Fraud Detection using Machine Learning
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Transaction Input	User can enter transaction details (type, amount, account details)
FR-2	Data Validation	System validates input fields before processing
FR-3	Data Preprocessing	System preprocesses transaction data for ML model
FR-4	Fraud Detection	System analyzes transaction using trained ML model
FR-5	Result Display	System displays Fraud / Not Fraud prediction clearly
FR-6	Transaction Logging	System stores transaction records for future analysis

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The system should have a simple and user-friendly interface
NFR-2	**Security**	Transaction data must be securely stored and protected
NFR-3	**Reliability**	The system should provide consistent and accurate predictions
NFR-4	**Performance**	The prediction result should be generated within a few seconds
NFR-5	**Availability**	The system should be accessible 24/7
NFR-6	**Scalability**	The system should handle increasing transaction volume efficiently