

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

Date	18 February 2026
Team ID	LTVIP2026TMIDS65702
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	<b>Usability</b>	The system should have a simple and user-friendly interface
NFR-2	<b>Security</b>	Transaction data must be securely stored and protected
NFR-3	<b>Reliability</b>	The system should provide consistent and accurate predictions
NFR-4	<b>Performance</b>	The prediction result should be generated within a few seconds
NFR-5	<b>Availability</b>	The system should be accessible 24/7
NFR-6	<b>Scalability</b>	The system should handle increasing transaction volume efficiently