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

Date	06/02/2026
Team ID	LTVIP2026TMIDS80883
Project Name	Prosperity Prognosticator: Machine Learning for Startup Success Prediction
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 Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Startup Data Submission	Input startup details (Funding, Team Size, Market Size, Revenue Model, etc.) Validate input fields Store data in database
FR-4	Prediction & Result Generation	Apply trained ML model Display Prediction (Success / Fail) Show Confidence Score Display Performance Metrics
FR-5	Dashboard & Analytics	View model performance metrics Display Confusion Matrix Show ROC & Precision-Recall curves
FR-6	Report Generation	Generate downloadable prediction report (PDF/CSV) View previous predictions history

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The system shall provide a simple, intuitive, and user-friendly interface with easy navigation and clear instructions.
NFR-2	**Security**	User data shall be encrypted. Authentication and authorization mechanisms shall be implemented to prevent unauthorized access.
NFR-3	**Reliability**	The system shall provide consistent and accurate predictions with minimal downtime or failure.
NFR-4	**Performance**	The system shall generate predictions within 2–3 seconds after data submission.

NFR-5	**Availability**	The system shall be available 24/7 with minimal service interruption.
NFR-6	**Scalability**	The system shall support increasing numbers of users and large datasets without performance degradation.