Project Design Phase
Proposed Solution

Date	14 Feb 2026
Team ID	LTVIP2026TMIDS47450
Project Name	prosperity prognosticator: machine learning for startup success prediction
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Predicting startup success manually is complex, time-consuming, and often subjective. Investors, entrepreneurs, and policymakers need a reliable, data-driven method to evaluate startup potential and reduce decision-making risks.
2.	Idea / Solution description	The solution is a machine learning–based web application that predicts startup success using historical startup data such as funding, market information, and operational characteristics. The model (Random Forest Classifier) analyses input features and provides instant predictions about startup outcomes, supporting investment and business planning decisions.
3.	Novelty / Uniqueness	Unlike traditional intuition-based evaluation, this system provides automated, scalable, and data-driven startup success prediction using machine learning. It analyses complex feature interactions and delivers real-time predictions through a simple web interface without requiring technical expertise.
4.	Social Impact / Customer Satisfaction	Enables investors to make smarter investments, helps entrepreneurs improve strategic planning, and assists policymakers in designing better startup-support programs. The system increases confidence in decision-making and promotes innovation-driven economic growth.

5.	Business Model (Revenue Model)	The tool can be offered as a freemium platform for individual users, with premium subscription plans for investors, accelerators, and organizations requiring advanced analytics. API integration and enterprise dashboards can create additional revenue streams.
6.	Scalability of the Solution	The system can scale by incorporating larger startup datasets, additional features, and advanced ML models. Cloud deployment enables global access and integration into investment platforms or business analytics systems.