Project Design: Phase -II

PROBLEM SOLUTION FIT

DATE	3 FEBRUARY
TEAM ID	LTVIP2026TMIDS86917
PROJECT NAME	**Prosperity Prognosticator: Machine Learning for Startup Success Prediction**
MAXIMUM MARKS	

PROBLEM SOLUTION -FIT

The proposed solution for the Prosperity Prognosticator project is to develop a machine learning–based predictive system that analyzes historical startup data to estimate the likelihood of business success. Instead of relying on intuition or manual evaluation, the system uses data-driven techniques to provide objective and accurate predictions.

The solution involves collecting structured startup datasets containing key business attributes such as funding amount, market category, team size, revenue indicators, and operational metrics. These datasets are preprocessed to ensure quality and consistency before being used for model training.

Using Scikit-learn algorithms, a classification model is developed and evaluated to identify patterns associated with successful startups. Once validated, the trained model is integrated into a Flask-based web application, allowing users to input startup details and receive real-time success predictions. This approach supports informed decision-making for entrepreneurs, investors, and policymakers while reducing uncertainty and financial risk.