

Ideation Phase

Brainstorm & Idea Prioritization

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| Date | 30 January 2026 |
| Team ID | LTVIP2026TMIDS76348 |
| Project Name | Prosperity Prognosticator Machine Learning for Startup Success Prediction |
| Maximum Marks | 4 Marks |

Step-1: Team Gathering, Collaboration and Select the Problem Statement

The team identified the difficulty in evaluating startup success due to uncertain market conditions, funding risks, and lack of data-driven insights. Investors and entrepreneurs face challenges in predicting whether a startup will succeed or fail. The selected problem is to develop a Prosperity Prognosticator: Machine Learning for Startup Success Prediction that analyzes startup characteristics and predicts success outcomes.

Problem Selection Flow



Step-2: Brainstorming, Idea Listing and Grouping

Brainstormed Ideas:

- Perform Exploratory Data Analysis on startup datasets.

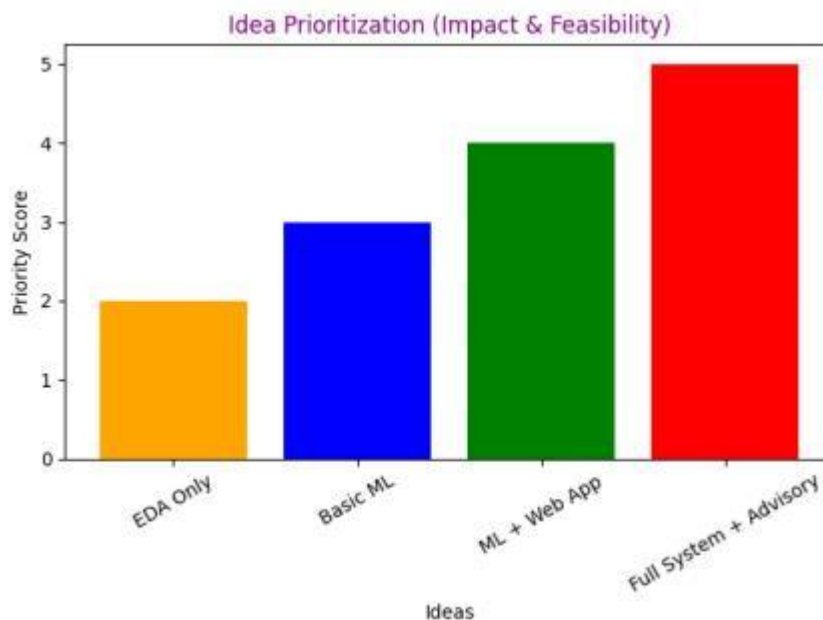
- Apply machine learning classification models such as Decision Tree, Random Forest, and KNN.
- Build a prediction system to classify startups as successful or unsuccessful.
- Develop a Flask-based web application for user interaction.
- Provide insights to investors, entrepreneurs, and policymakers for decision-making.

Idea Grouping:

- Data Analysis
- Machine Learning Model Development
- Web Application Deployment

Step-3: Idea Prioritization

Ideas were prioritized based on real-world relevance, feasibility, innovation, and scalability. The complete Machine Learning Startup Success Prediction Web Application was selected as the highest priority due to its potential impact on investment decisions and entrepreneurship planning.



Final Selected Idea

A Prosperity Prognosticator Machine Learning for Startup Success Prediction that predicts startup success based on funding, milestones, relationships, and market features, helping investors and entrepreneurs make informed decisions.

