

Project Design Phase
Problem – Solution Fit

Team ID	LTVIP2026TMIDS87645
Project Name	Prosperity Prognosticator
Maximum Marks	2 Marks

Problem – Solution Fit:

The Problem–Solution Fit explains how the proposed solution effectively addresses the identified customer problem. It ensures that the developed system is aligned with real user needs and solves the problem in a meaningful and practical manner.

In the **Prosperity Prognosticator** project, the problem–solution fit focuses on helping investors and startup founders make informed decisions by predicting the future outcome of startups using machine learning techniques.

Problem–Solution Fit Canvas

1. Customer Segment

- Startup Investors
 - Startup Founders
 - Business Analysts
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2. Customer Problem

- Difficulty in predicting whether a startup will succeed or fail
 - High investment risk due to lack of data-driven insights
 - Manual analysis of startup performance is time-consuming and inaccurate
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3. Existing Alternatives

- Gut feeling and personal experience
 - Manual financial analysis
 - Consulting expert opinions
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4. Problems with Existing Solutions

- Highly subjective and biased decisions
 - No predictive accuracy
 - Time-consuming and costly
 - Not scalable for analyzing multiple startups
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5. Proposed Solution

Prosperity Prognosticator is a machine learning–based web application that predicts startup outcomes as **Acquired** or **Closed** using historical data and a Random Forest model.

6. Key Features

- Startup success prediction using ML
 - Easy-to-use web interface
 - Fast and reliable prediction results
 - Data-driven decision support
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7. Unique Value Proposition

- Reduces investment risk
 - Provides accurate and objective predictions
 - Saves time and effort for investors and founders
 - Combines machine learning with web technology
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8. Success Metrics

- Prediction accuracy
 - User satisfaction
 - Reduced decision-making time
 - System response time
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9. Risks & Assumptions

- Prediction accuracy depends on data quality
 - Model performance may vary with new data
 - Assumes historical trends reflect future outcomes
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Conclusion

The Prosperity Prognosticator successfully achieves problem–solution fit by addressing a critical real-world problem using a scalable, data-driven, and user-friendly solution. It bridges the gap between uncertainty and informed decision-making in the startup ecosystem.

References

<https://www.ideahackers.network/problem-solution-fit-canvas/>