

Project Design Phase

Problem – Solution Fit

Date	16 Feb 2026
Team ID	LTVIP2026TMIDS36006
Project Name	Asset Management Portal
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Maximum Marks	2 Marks

Problem–Solution Fit: Asset Management Portal

The **Problem–Solution Fit** for the Asset Management Portal highlights how the system effectively addresses key challenges organizations face in managing both physical and digital assets. By aligning with real-world workflows, administrative requirements, and employee needs, the solution improves operational efficiency, reduces losses, and enhances informed decision-making.

Purpose

- Solve complex asset tracking and allocation problems by aligning with real organizational structures and needs.
- Accelerate system adoption by streamlining asset request, approval, and allocation processes for employees.
- Enhance transparency and accountability by providing real-time visibility into asset status and history.
- Build trust through proactive alerts for maintenance and asset lifecycle events, reducing downtime and losses.
- Automate asset operations to reduce administrative overhead and improve record-keeping accuracy.

Problem–Solution Summary

Identified Problem	Proposed Solution
Lack of centralized tracking for physical and digital assets	Unified platform managing the full asset lifecycle
No standardized request and allocation process	Role-based access for employees to request and track assets
Delays or misses in asset maintenance and replacement	Alert system for maintenance and lifecycle management
Poor visibility into asset utilization	Real-time reports and dashboards showing asset status, usage, and allocation
High risk of asset loss or underutilization	Automated logging, auditing, and assignment history

Identified Problem

- Manual record-keeping prone to errors
- Difficulty identifying which assets are underperforming or due for replacement

Proposed Solution

- Custom forms, validation rules, and automated updates
- Performance metrics and condition-based triggers for review or replacement

Outcome

By achieving a strong **problem–solution fit**, this project ensures that:

- Organizations can efficiently **track, allocate, and maintain** assets across departments.
- The portal integrates seamlessly into existing **organizational workflows** and employee habits.
- The system proactively **reduces downtime, improves transparency**, and prevents asset mismanagement.
- Decision-makers have **real-time insights** that support cost-effective and data-driven operations.
- The platform fosters **accountability and trust**, ensuring long-term engagement and consistent use.

Template:

