

**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:

Problem-Solution fit canvas 2.0		Purpose / Vision	
Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> <ul style="list-style-type: none"> <li>IT/Admin teams managing asset lifecycles</li> <li>Employees requesting, using, or returning assets</li> <li>Procurement and finance departments tracking usage and cost</li> </ul>	<b>6. CUSTOMER CONSTRAINTS</b> <span>CC</span> <ul style="list-style-type: none"> <li>Limited time and manpower to manage assets manually</li> <li>Budget limitations for complex asset management tools</li> <li>Need for a user-friendly interface for non-technical staff</li> </ul>	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> <ul style="list-style-type: none"> <li>Excel/Google Sheets — decentralized, manual, and error-prone</li> <li>Email-based or paper request processes — time-consuming and lacks auditability</li> <li>ERP systems — powerful but often overly complex and costly</li> <li>No dedicated, lightweight portal focused on organization-wide asset lifecycle</li> </ul>
	Focus on J&P, tap into BE, understand RC	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> <ul style="list-style-type: none"> <li>Track and manage physical and digital assets in a centralized system</li> <li>Monitor asset condition, allocation, and usage</li> <li>Automate asset assignment and approval processes</li> <li>Receive timely alerts for maintenance or replacements</li> <li>Generate real-time reports for asset utilization and planning</li> </ul>	<b>9. PROBLEM ROOT CAUSE</b> <span>RC</span> <ul style="list-style-type: none"> <li>No dedicated, centralized system for tracking asset allocation, lifecycle, and usage</li> <li>Manual tracking tools lead to errors, inefficiencies, and lost records</li> <li>Lack of real-time visibility into asset condition and performance</li> </ul>
<b>3. TRIGGERS</b> <span>TR</span> <ul style="list-style-type: none"> <li>Asset losses, misplacement, or theft</li> <li>Sudden downtime due to unmaintained or failed assets</li> <li>Pressure to optimize resource allocation and reduce overhead</li> <li>Audits and compliance requirements</li> </ul>		<b>10. YOUR SOLUTION</b> <span>SL</span> <ul style="list-style-type: none"> <li>A centralized Asset Management Portal with:</li> <li>Role-based access for employees and administrators</li> <li>Asset lifecycle tracking: request → approval → allocation → maintenance → disposal</li> <li>Automation: alerts, approvals, audit trails</li> <li>Reporting dashboards for asset condition, usage, and history</li> <li>Scalable for organizations of varying sizes</li> </ul>	<b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span> <p>8.1 ONLINE</p> <ul style="list-style-type: none"> <li>Use internal tools like shared drives or spreadsheets</li> <li>Search for basic asset tracking templates or free software</li> </ul> <p>8.2 OFFLINE</p> <ul style="list-style-type: none"> <li>Rely on verbal communication or paper-based asset registers</li> <li>Manual approval and allocation via printed forms</li> </ul>
Identify strong TR & EM	<b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span> <ul style="list-style-type: none"> <li>Before: Frustrated, overwhelmed, anxious about asset mismanagement</li> <li>After: In control, confident with streamlined operations and accurate records</li> </ul>		

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