Project Design Phase

Problem-Solution fit Template

Date	2 November 2025
Team ID	NM2025TMID01594
Project Name	Laptop Request Catalog Item
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem–Solution Fit refers to identifying a specific user or organizational problem and ensuring the designed solution effectively resolves it. This phase ensures the project aligns perfectly with user pain points, offering a functional, efficient, and reliable fix that fits real-world workflows.

Purpose:

- Solve complex administrative issues in a way that aligns with user and system needs.
- Reduce operational errors by understanding real-time workflow dependencies.
- Improve system reliability and adoption through preventive and guided mechanisms.
- Enhance communication between system administrators and users by integrating clear alerts and validation prompts.
- Strengthen data integrity and trust through smarter user management and compliance control.

Solution:

The proposed solution introduces a Prevent User Deletion if Assigned to an Incident mechanism that automatically validates user assignments before deletion.

Key features include:

- Real-time validation checks to detect if a user is linked to any open incidents.
- Automated alert messages guiding admins to resolve or reassign incidents first.
- Rule-based prevention system that blocks accidental deletions.
- Audit-friendly logs and reports that ensure transparency and traceability.

This smart preventive approach ensures that only unassigned users can be deleted, preserving workflow integrity, enhancing accountability, and improving system security and compliance.

Outcome:

With this solution in place, organizations can:

- Prevent data loss and operational confusion.

- Improve the reliability of their incident management systems.

- Build a secure and user-aware administrative environment.

- Boost administrator confidence through guided, error-free operations.

Ultimately, the Problem–Solution Fit confirms that the solution precisely targets the user pain points, ensuring system efficiency, safety, and improved user experience.

Problem – Solution Fit Template

Problem	Solution	Outcome
• Admins faced errors when deleting users still assigned to incidents	• Real-time validation checks • Automated alert messages • Rule-based prevention system • Audit-friendly logs and reports	• Prevent data loss and confusion • Improve incident management • Build a secure environment • Boost administrator confidence