Project Design Phase Problem – Solution Fit

Date	24 June 2025
Team ID	LTVIP2025TMID30187
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Mentor Name	Dr Shaik Salma Begum
Maximum Marks	4 Marks

Problem-Solution Fit:

The Problem–Solution Fit for this project reflects how the proposed system resolves key issues small project management teams face when handling task assignments, roles, and workflows. It ensures alignment between the solution and the operational challenges of real users—specifically Project Managers and Team Members—improving both clarity and control.

Purpose

- Solve problems related to role ambiguity, insecure access, and inefficient workflows in small project teams.
- Accelerate task completion and decision-making by implementing structured workflows and access controls.
- Improve team communication, clarity, and accountability by clearly defining roles and permissions.
- Build trust and consistency in project delivery through visibility, logging, and approval mechanisms.
- Support scalability and onboarding through automation and centralized role management.

Problem-Solution Summary

Identified Problem	Proposed Solution		
Undefined roles and confusion in task responsibilities	Clear role definitions for Project Manager and Team Member		
Lack of access control leading to task mismanagement	Role-based Access Control (RBAC) restricting actions based on user roles		
No structured workflow to guide task progress	Implemented task lifecycle (e.g., To-Do → In Progress → Review → Complete)		

Identified Problem

Difficulty onboarding or scaling new users/teams

Proposed Solution

Centralized user and role management with automation features

Outcome

- By achieving problem–solution fit, this project ensures:
- Project Managers and team members clearly understand and adhere to their responsibilities.
- Tasks are securely managed with proper access and permission layers.
- Project workflows are enforced with structured task stages, reducing delays and errors.
- Team operations scale smoothly with clear onboarding procedures and system automation.
- The system fosters transparency, accountability, and improved collaboration within teams.

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