Project Design Phase Problem – Solution Fit Template

Date	02 Nov 2025
Team ID	NM2025TMID04960
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	4 Marks

Problem – Solution Fit Template:

In small project environments managed by teams like a Project Manager (Alice) and a Team Member (Bob), efficiency and clarity often become major challenges. The absence of a structured role system, insufficient access controls, and a lack of defined workflows lead to confusion, duplicated efforts, and reduced accountability. Team members struggle to identify responsibilities, leading to delays and unclear ownership of tasks. The proposed solution focuses on implementing **role-based access control (RBAC)** and **automated workflows** to streamline operations. By clearly defining roles, permissions, and automated task transitions, the system ensures that users perform only relevant actions aligned with their roles. This brings order to collaboration, improves task visibility, and strengthens accountability within the project environment.

By addressing these challenges, the system provides the following benefits:

• Streamlined operations through clear role-based task ownership

• Increased efficiency via automation of repetitive or approval-dependent actions

• Enhanced collaboration through transparent workflows and progress tracking

• Reduced confusion and errors by aligning user actions with access permissions

• Higher productivity and project success due to better visibility and role clarity

Overall, this solution bridges the gap between user behavior and system design—removing workflow friction, promoting trust, and improving the team's ability to deliver results efficiently without adding unnecessary complexity.

Template:

Problem-Solution Fit

In a project environment with a limited team size, like one led by a Project Manager (Alice) and a Team Member (Bob), clarity and structure are essential. The current lack of defined roles, limited access contol, and absence of a streamlined workflow lead to overlapping responsibilities, inefficiencies in task execution, and difficulty in tracking progress.

Purpose:

- Solve complex problems in a way that fits the state of your customers.
- Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.