Project Planning Phase
Project Planning Template

Date	16 February 2026
Team ID	LTVIP2026TMIDS66420
Project Name	Optimizing user, group and role management with access control and workflows
Maximum Marks	5 Marks

The project planning template outlines how the project will be executed from initiation to deployment. It serves as a reference document for tracking progress and managing resources effectively.

Project Title: Optimizing User, Group, and Role Management with Access Control and Workflows
Project Type: Web-based Access Management System
Project Duration: [Enter duration, e.g., 4–6 months]
Project Team: [Add team member names]
Project Manager: [Add name]

Project Objectives

The primary objective of the project is to design and implement a centralized platform that automates user lifecycle management, enforces role-based access control, and streamlines approval workflows. The system should improve security, reduce manual administrative effort, and provide full audit visibility.

Project Scope

The project covers development of user management, group management, role management, access control enforcement, workflow automation, and audit reporting modules. It includes frontend interface development, backend services, database design, and system deployment. Integration with external enterprise systems may be considered if required. Features such as advanced analytics may be treated as future enhancements.

Major Deliverables

- Requirement specification document

- System design and architecture

- Database schema

- Frontend and backend implementation

- Workflow engine integration

- Testing reports

- Deployment setup

- Final project documentation

Project Milestones

Milestone	Description	Expected Outcome
Requirement Analysis	Gather and finalize requirements	Approved SRS
System Design	Prepare architecture and models	Design documents
Development Phase	Implement core modules	Working prototype
Testing Phase	Perform functional and security testing	Bug-free system
Deployment	Deploy in target environment	Live system
Documentation	Prepare final reports	Project completion

Resource Planning

The project requires human resources (developers, testers, project manager), software tools (IDE, database, version control), and hardware infrastructure (development machines and server environment). Proper allocation ensures efficient progress and avoids bottlenecks.

Risk Management

Potential risks include requirement changes, integration issues, security vulnerabilities, and schedule delays. To mitigate these risks, the team plans regular reviews, version control practices, secure coding standards, and incremental testing throughout development.

Communication Plan

Regular team meetings, progress reports, and milestone reviews will be conducted to ensure transparency. Collaboration tools such as shared repositories and task trackers will be used to maintain coordination among team members.

Success Criteria

The project will be considered successful if the system securely manages users, groups, and roles, automates access workflows, meets performance expectations, and passes functional and security testing.

This project planning template provides a structured execution strategy and ensures that the proposed access management solution is delivered efficiently, securely, and within the planned timeline.