

PROJECT PLANNING PHASE

Team ID	NM2025TMID02892	
Project Name	Medical Inventory Management System	
Team Members	AAMEER MOHAMED N	910322104001
	AJITH M	910322104004
	KARUPPAIAH A	910322104024
	SUTHAKAR M	910322104056

Folder Reference: Document/Project

Planning Phase/ Includes:

- Project Planning (1).pdf
- Readme.md

1. Milestones and Phases

Milestone Description

- 1 Requirement Gathering & Feasibility Study
 - 2 System Design & Architecture
 - 3 Backend & Database Development
 - 4 Frontend Interface Development
 - 5 Integration & Testing
 - 6 Deployment & Maintenance
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2. Resource Planning

Resource	Responsibility
Project Manager	Planning, coordination
Developers	Backend & frontend development
QA Engineers	Testing and validation
Database Admin	Data schema design
UI/UX Designer	Interface prototyping

Risk Description	Likelihood (Low/Medium/High)	Impact (Low/Medium/High)	Mitigation Strategy
Scope Creep	High	Medium	Implement strict change control process
Resource Overload	Medium	High	Allocate buffer resources
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Schedule Delays	High	High	Set frequent progress checkpoints
Technical Challenges	Medium	Medium	Conduct pre-development feasibility tests

3. Timeline

Phase	Duration
Ideation & Requirement Analysis	2 Weeks
Design & Architecture	3 Weeks
Implementation	4 Weeks
Testing & Debugging	2 Weeks
Deployment	1 Week

Phase

Duration



4. Risk Management

Risk	Mitigation
Server downtime	Cloud-based backup
Data corruption	Scheduled database backups
Delayed procurement	Automated reorder alerts