PROJECT PLANNING PHASE

Team ID	NM2025TMID01779
Project Name	Medical Inventory Management System
Team Members	Reshma J T (921222104301) BagavathiAruleswari(921222104001)

Folder Reference:

Document/Project Planning Phase/

Includes:

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

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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

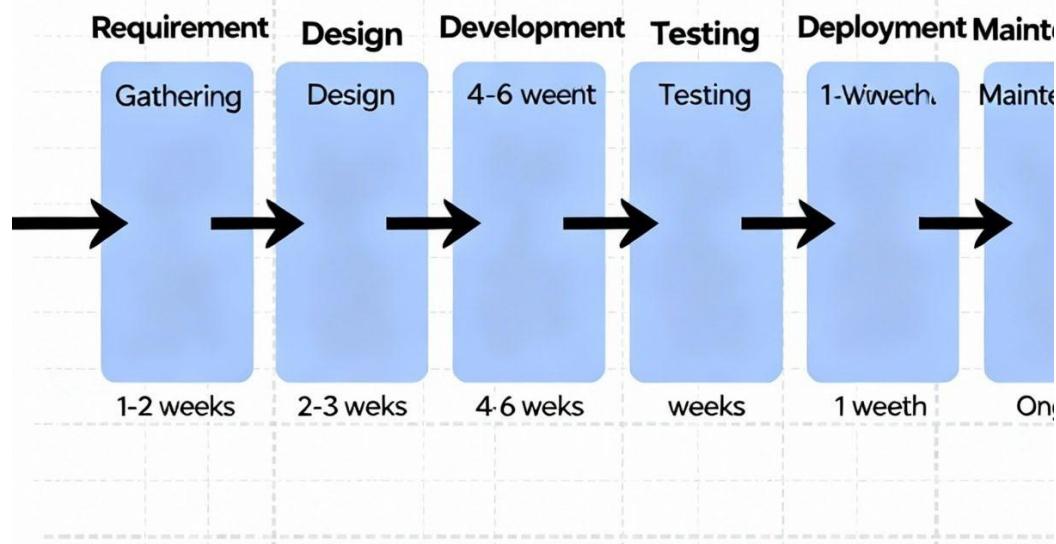| Resource	Responsibility
Project Manager	Planning, coordination
Developers	Backend & frontend development
QA Engineers	Testing and validation
Database Admin	Data schema design
UI/UX Designer	Interface prototyping

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

Project Planning Timeline

Requirement	Design	Development	Testing	Deployment	Maint...
Gathering	Design	4-6 weent	Testing	1-Wweth.	Mainte
1-2 weeks	2-3 weks	4-6 weks	weeks	1 weeth	On...

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4. Risk Management

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