

MCI Project - LS1 Timeline



Project Plan

Deliverables

- Project Demo/Flowchart
- User's Story
- Product Requirements Document (PRD)
- Project Planning
- Communication Plan
- [Pitch Presentation](#) (week 4)

Technical Design

Deliverables

- Tech Stack Selection
- Technical Docs
- Architecture Doc
- Database/API Define
- Team Roles and Responsibilities Document
- [Business Case](#) (week 5)

Development

Deliverables

- Front-End Dev
 - Set up FE dev-env
 - Basic UI framework and components design
 - Log in/Register UI
 - Manager/Worker dashboard
 - 3D/2D Visualisation implement
- Back-End Dev
 - Set up Docker env
 - Database schema design
 - API specification Document
 - Set up database
- [Milestone Report](#) (week 8)

Development

Deliverables

- Front-End Dev
 - API review, hooks define
 - Backend integration
 - Feature testing checklist
 - Visualisation UI optimize
- Back-End Dev
 - Frontend integration
 - AI placement algorithm integration
 - Visualisation module integration
- Alpha Version
- [Testing Plan](#) (week 10)

Test & Review

Deliverables

- User Acceptance Test
- Bug Fix
- User Experience Improvement
- Beta Release
- Final Demo Test
- Feedback Collection

Final Launch

Deliverables

- Product release
- Reflection
- [Final Software Demo](#) (week 13)
- [Final Report](#) (week 13)

Milestone 1

Week 7

Establish Project Fundamentals (planning, technical design and basic UI implementation)

Milestone 2

Week 13

Deliver the final optimized product and all required assignments

MCI Project - LS1 Gantt Chart (Milestone 1)

