MCI Project - LS1 Timeline

Sprint 1
Week 3-4
(17/3 – 30/3)

Sprint 2

Week 5-6 (31/3 – 13/4)

Sprint 3

Week 7-8 (28/4 – 11/5)

Sprint 4

Week 9-10 (12/5 – 25/5)

Sprint 5

Week 11-12 (26/5 – 8/6)

Sprint 6
Week 13
(9/6 – 15/6)

Project Plan

Deliverables

- Project Demo/Flowchart
- User's Story
- Product Requirements Document (PRD)
- Project Planning
- Communication Plan
- <u>Pitch Presentation</u>
 (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

- DeliverablesFront-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
 - Al placement algorithm integration
 - Visualisation module integration
- Alpha Version
- <u>Testing Plan</u> (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
- <u>Final Software Demo</u> (week 13)
- Final Report (week 13)

Milestone

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)

Week 3 Week 4 Week 5 Week 6 Week 7 Week 8 **Sprints & Phases** Sprint 1 Sprint 1 (17/3 - 30/3) 17/3 - 30/3 Project Plan Project Demo/Flowchart (User journey diagram) Project Demo/Flowchart User's Story User's Story Product Requirements Document (PRD) Product Requirements Document (PRD) Sprint Plan (Timeline) Project Planning Communication plan Communication Plan Pitch Presentation (week 4) Pitch Presentation * Sprint 2 (31/3 - 13/4) Sprint 2 31/3 - 13/4 Technical Design Tech Selection Tech Stack Selection Tech Documentation Technical Docs Architecture Docs Architecture Doc Database/API define Database/API Define Team Role and Responsibilities Document Team Roles and Responsibilities Document Business Case (week 5) Business Case & Draft plan * Sprint 3 (28/4 - 11/5) Sprint 3 28/4 - 11/5 Set up Dev-env, Basic UI framework Development Develop UI of the main pages Front-End Dev (Set up FE dev-env, Basic UI framework and components design, Log in/Register UI, Manager/Worker dashboard, Implement 3D/2D Visualization 3D/2D Visualisation implement) Develop Backend APIs, Set up Docker Back-End Dev (Set up Docker env, Database schema design, API specification Document, Set up database) Database Set up Milestone Report (week 8) Milestone Report *

Milestone 1

Milestone 1 (Week 7)

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