My Team | Sprint 2 Gantt Chart (6th Oct - 13th Oct)

	Task name	Category	Assigned	Start date	End date	Duration	Predecessors	Dependency ID	Dependency Type
				06/10/2025	**13/10/2025**	180h			
1	**(Sprint 1 Continued) Manage GitHub pushes, merges and commits**	**Development**		**06/10/2025**	**08/10/2025**	**48h**			
1.1	Verify branch strategy and PR workflow	Development	Karan	06/10/2025	06/10/2025	9h			
1.2	Review & resolve PR conflicts / CI checks	Development	Karan	07/10/2025	08/10/2025	9h	1.1FS	1.1	FS
2	**(Sprint 1 Continued) Research academic papers Part 1 (data evaluation)**	**Research**		**06/10/2025**	**08/10/2025**	**48h**	**1SS**	**1**	**SS**
2.1	Search & shortlist papers on accuracy/validation	Research	Priyanka	06/10/2025	07/10/2025	33h			
2.2	Synthesize findings & extract key metrics	Documentation	Priyanka	07/10/2025	08/10/2025	33h	2.1FS	2.1	FS
3	**(Sprint 1 Continued) Research academic papers Part 2 (AI-driven evaluatio...**	**Research**		**07/10/2025**	**09/10/2025**	**48h**	**2FS**	**2**	**FS**
3.1	Review ML-based evaluation techniques	Research	Karan	07/10/2025	08/10/2025	9h			
3.2	Compare AI vs traditional evaluation approaches	Documentation	Karan	08/10/2025	09/10/2025	33h	3.1FS	3.1	FS
4	**Evaluate APIs for routing/searching (OSM vs Mapbox)**	**Development**		**06/10/2025**	**09/10/2025**	**72h**	**1FS**	**1**	**FS**
4.1	Benchmark OSM, Mapbox, Google (features/performance)	Research	Karan	06/10/2025	07/10/2025	33h			
4.2	Assess cost & integration effort; recommend API	Analysis	Karan	07/10/2025	09/10/2025	57h	4.1FS	4.1	FS
5	**Develop plan for data cleaning and preprocessing**	**Development**		**08/10/2025**	**10/10/2025**	**48h**	**4FS**	**4**	**FS**
5.1	Define cleaning fields, rules, and edge cases	Development	Hina	08/10/2025	09/10/2025	9h			
5.2	Draft step-by-step preprocessing workflow	Documentation	Hina	09/10/2025	10/10/2025	33h	5.1FS	5	FS
6	**Create survey for pedestrians/cyclists**	**Research**		**06/10/2025**	**08/10/2025**	**48h**			
6.1	Draft safety perception & routing questions	Research	Huda	06/10/2025	07/10/2025	9h			
6.2	Pilot, refine, and finalize survey	Testing	Huda	07/10/2025	08/10/2025	33h	6.1FS	6.1	FS
7	**Clean and organize GitHub repository**	**Development**		**09/10/2025**	**11/10/2025**	**57h**	**1FS**	**1**	**FS**
7.1	Remove redundant branches & restructure	Maintenance	Hina	09/10/2025	10/10/2025	33h			
7.2	Standardize folders & update README	Documentation	Hina	10/10/2025	11/10/2025	33h	7.1FS	7	FS
8	**Create & schedule retrospective document**	**Management**		**06/10/2025**	**12/10/2025**	**153h**			
8.1	Design template & reflection prompts	Documentation	Priyanka	06/10/2025	07/10/2025	33h			
8.2	Schedule and assign reflections	Management	Priyanka	07/10/2025	12/10/2025	129h	8.1FS	8.1	FS
9	**Enhance prototypes (medium-fidelity improvements)**	**Design**		**08/10/2025**	**12/10/2025**	**105h**	**6FS**	**6**	**FS**
9.1	Refine UI flow and interaction sequence	Design	Huda	08/10/2025	10/10/2025	57h			
9.2	Add hazard visualization & route comparison	Development	Huda	10/10/2025	12/10/2025	57h	9.1FS	9.1	FS
9.3	Conduct competitive analysis and integrate insights into prototype	Design	Huda	08/10/2025	11/10/2025	81h	9.2SS	9.2	SS
10	**Research environment setup (backend/frontend/tooling)**	**Development**		**06/10/2025**	**08/10/2025**	**57h**	**1FS**	**1**	**FS**
10.1	Configure backend (Flask/Django) and DB	Development	Karan	06/10/2025	07/10/2025	33h			
10.2	Validate frontend toolchain & API keys	Development	Karan	07/10/2025	08/10/2025	33h	10.1FS	10	FS
11	**Create Gantt chart for the project**	**Management**		**09/10/2025**	**10/10/2025**	**33h**			
11.1	Map tasks, durations, and dependencies	Management	Shalini	09/10/2025	09/10/2025	9h			
11.2	Review and finalize chart for upload	Management	Shalini	10/10/2025	10/10/2025	9h	11.1FF	11.1	FF
12	**Review previous projects (UX & routing case studies)**	**Research**		**10/10/2025**	**12/10/2025**	**57h**	**2FS**	**2**	**FS**
12.1	Analyze case studies for performance insights	Research	Priyanka	10/10/2025	11/10/2025	33h			
12.2	Summarize lessons for SafePath improvements	Analysis	Priyanka	11/10/2025	12/10/2025	33h	12.1FS	12.1	FS
13	**Prepare weekly project presentation (Week 4)**	**Management**		**06/10/2025**	**09/10/2025**	**81h**			
13.1	Compile slides for Sprint 2 deliverables	Management	Shalini	06/10/2025	08/10/2025	57h	11FS	11	FS
13.2	Final rehearsal & speaker order confirmation	Communication	Shalini	09/10/2025	09/10/2025	9h	13.1FS	13.1	FS
14	**Persona enhancement (refine based on survey data)**	**Design**		**09/10/2025**	**13/10/2025**	**105h**	**6FS**	**6**	**FS**
14.1	Integrate survey insights into persona attributes	Research	Huda	09/10/2025	11/10/2025	57h			
14.2	Update persona visuals and summaries	Design	Huda	11/10/2025	13/10/2025	57h	14.1FF	14.1	FF
15	**Update MOM logs for Week 4**	**Documentation**		**06/10/2025**	**13/10/2025**	**177h**	**8SS**	**8**	**SS**
15.1	Summarize sprint discussions & decisions	Documentation	Priyanka	06/10/2025	12/10/2025	153h			
15.2	Upload finalized MOM documents to GitHub	Maintenance	Priyanka	13/10/2025	13/10/2025	9h	15.1FF	15.1	FF
16	**Flow Chart: 'Search For Route' Requirement**	**Design**		**07/10/2025**	**08/10/2025**	**33h**			
16.1	Draft Flow Chart	Design	Priyanka	07/10/2025	07/10/2025	9h			
16.2	Review & Finalize	Review	Priyanka	08/10/2025	08/10/2025	9h	16.1FS	16.1FS	
17	**Technical Architecture Confirmation**	**Architecture**		**07/10/2025**	**08/10/2025**	**33h**			
17.1	Draft Architecture	Architecture	Karan	07/10/2025	07/10/2025	9h			
17.2	Team Review & Sign-Off	Review	Karan	08/10/2025	08/10/2025	9h	17.1FS	17.1	FS
18	**Website Application Development and Kickoff**	**Development**		**07/10/2025**	**08/10/2025**	**33h**			
18.1	Project Scaffolding & Repository Setup	Development	Karan	07/10/2025	07/10/2025	9h			
18.2	Core Layout & Routing Skeleton	Development	Karan	07/10/2025	08/10/2025	33h	18.1FS	18.1	FS
18.3	Initial Feature Stub - Search for Route	Development	Karan	08/10/2025	08/10/2025	9h	18.2FS	18.2	FS
19	**Weekly Videos Link**	**Communication**		**07/10/2025**	**08/10/2025**	**33h**			
19.1	Record 1-Minute Video 1	Communication	Shalini	07/10/2025	08/10/2025	33h			
19.2	Record 1-Minute Video 2	Communication	Karan	07/10/2025	08/10/2025	33h			
19.3	Record 1-Minute Video 3	Communication	Priyanka	07/10/2025	08/10/2025	33h			
19.4	Record 1-Minute Video 4	Communication	Huda	07/10/2025	08/10/2025	33h			
19.5	Record 1-Minute Video 5	Communication	Hina	07/10/2025	08/10/2025	33h			
20	**Weekly Reflective Diary**	**Documentation**		**08/10/2025**	**13/10/2025**	**129h**			
20.1	Weekly Diary Compilation 1	Documentation	Shalini	08/10/2025	13/10/2025	129h			
20.2	Weekly Diary Compilation 2	Documentation	Karan	08/10/2025	13/10/2025	129h			
20.3	Weekly Diary Compilation 3	Documentation	Priyanka	08/10/2025	13/10/2025	129h			
20.4	Weekly Diary Compilation 4	Documentation	Huda	08/10/2025	13/10/2025	129h			
20.5	Weekly Diary Compilation 5	Documentation	Hina	08/10/2025	13/10/2025	129h			