PROJECT TIMELINE TECH TRACK

This is a modified form of a Gantt chart which focuses on creating a project schedule that is broken down into stages.

 PROJECT TITLE
 Combined GPS and Intensity-based Alignment of Laser Devices
 COMPANY NAME
 Tech Track

 PROJECT MANAGER
 Dawson Burgess
 LAST UPDATE DATE
 10/3/23

	DETAILS	Semester 1				Semester 1			Semester 2			Semester 2	
		August	September	September		October	November	December	January	Febuary	March	April	May
Project Phase:		7 14 21 28	4 8 11 15 18	22 25 29	30 2	9 16 23 30	6 13 20 27 30	4 11 18	1 8 15 22 29	5 12 19 16	4 11 18 25	1 8 15 22 29	1 6 13
	- Project Bids												
Project Conception	- Meeting team and instructor												
	- Meeting with client												
	- Plan and document												
Project Definition and Planning	Initiation - Product Requirements document + Value Proposition												
	- Scope and Goal Setting												
	Budget and Gantt Chart Review of prototype and existing code base												
	- Work Breakdown												
Project Launch & Execution	Testing Existing Code and Prototype Installing and testing GPS modules												
	- Code prototyping / design												
	- Coding												
	Code Refinement Code Deployment testing on												
Project Performance & Control	protoype - Client Feedback												
	Code Testing and big fixes and additions												
	- Packaging												
Project Close	- Project Punchlist												
	- Postmortem												
	- Expo Preperation												
	- Final Report												

Phase of Project	Task Name	LAST UPDATED: 10/3/23 DB					
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			Establish comminication				
Meeting team and instructor	Initial Meeting with team	Establish Needs of team	standards				
Meeting with client	Have First meeting with client	Establish Needs and wants of client	Establish Line of Comminication with client and team				
1. Plan and Document		Create Gannt / timeline	Creat product requirement				
initialization	Create Budget document	document	documents				
2. Product Requirements document + Value Proposition	Establish list of product requirements from list of needs and wants	Developing a value proposition	Refine PRD document and finalize				
2. Scope and Goal Setting	Establishing the scope of what our project is	Setting goals for over all project and desired outcomes					
	Define parts to be purchased for		5	Finish Gantt and project task			
2. Budget and Gantt Chart	project requirements	Set budget for project	Develop project task breakdown	breakdown			
2. Review of existing code base, acquiring previous prototype	Get existing code from previous project, establish new repository		Review code and understand how it works				
	Develop a more refined work						
	breakdown after evaluation of						
2. Work Breakdown Schedule	previous work on the project						
3. Testing/Examining Existing Code and Prototype	and task list	Run tests virtually to understand how code works	harness with varrying conditions				
3. Code Prototyping	Determine functions and needed additions to code for project success	Prototype functions to be implemented					
3. Installing and testing GPS modules	Installing GPS module to each prototype unit		Seeing what data we can work with for alignment				
3. Coding Design	Design Functions to get position from GPS module	Design Functions to get desired position	Design Functions to make large scale rotations on prototypes	Design Functions to switch from large scale adjustments to exisitng small scale adjustment algorithm			
3. Code Implementation	Coding all functions the team designed	Integrating our code into existing source code	Making changes to existing code				
4. Code Deployment testing on protoype	Deploy Code on Prototype	Testing Via PVD requirements					
4. Client Feedback	Review progress and prototypes with client	Discuss any additions or changes desired by client	Create plan for these new additions				
4. Code Testing, bug fixes and additions	Run tests on code and prototype from different alignment requirements	Fix any bugs or strange behaviour	Applying and additions or changes per client feedback				
4. Packaging	Making changes for modularity	Establish standard packaging and build					
5. Project Punchlist / Finishing touches	Team Portfolio	SnapShot #3	Last minute adjustments	Sourcing and editing final documents			
5. Postmortem	DVP and Report	Poster					
5. Design Expo	Presentation / Poster	Preperation / Rehearsal					
5. Final reports complete	Develop final report	Finish Report	Submit final requirements and reports				
incomplete							