GANTT CHART - CLIMB

PROJECT TITLE	CLIMB	COMPANY NAME	ECE Capstone
PROJECT MANAGERS	Alexander Nguyen, Joshua Ramos, Jubahed Qayum	DATE	9/21/25

WBS NUMBER	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE
1	**Project Deliverables**					
1.1	Abstract	All			0	100%
1.2	Website Setup	Jubahed			0	100%
1.3	Proposal Presentation Slides	All			0	100%
1.3.1	Proposal Presentation	Joshua			0	100%
1.4	Design Review Presentation Slides	All			0	0%
1.4.1	Design Review Presentation	Jubahed			0	0%
1.5	Final Presentation Slides	All			0	0%
1.5.1	Final Presentation	Alexander			0	0%
1.6	Status Reports	All			0	0%
1.7	Demos	All			0	0%
1.8	Ethics Assignment	All			0	0%
2	**Wearable Device Design**					
2.1	Initial Wearable Device Mockup	Alexander			4	100%
2.2	Build Prototype	Alexander			3	100%
2.2.1	Biomechanics research - ideal sensor placement	Alexander			2	25%
2.3	Revise Design	All			0	0%
2.4	Build Final Wearable Device	Alexander			0	0%
3	**Embedded Implementation**					
3.1	Circuit construction	Joshua			0	0%
3.2	Sensor calibration	Joshua			0	0%
3.2.1	Pin configuration / data reading	Joshua			0	0%
3.2.2	Haptic drivers	Joshua			0	0%
3.3	Data processing	Jubahed			0	0%
4	**Mobile App D&I**					
4.1	Initial Mobile App UI/UX Mockup	Alexander			0	100%
4.2	Front-End UI/UX Implementation	Alexander			0	10%
4.3	Implement Pages	Alexander			0	0%
4.3.1	Login Page & Initial Startup. (Questionnaire)	Alexander			0	0%
4.3.2	Home Page (general stats)	Alexander			0	0%
4.3.3	Session Stats/History Pages (display from database)	Alexander			0	0%
4.4	App-Device Callibration	Alexander			0	0%
4.5	Backend database setup	Jubahed			0	0%
4.6	Data receive / processing	Jubahed			0	0%
5	**Integration and Unit Testing**					
5.1	Sensor Model Testing	Joshua			0	0%
5.2	Qualitative Testing of Wearable Device Prototype	All			0	0%
5.3	Haptic driver reliability testing	Joshua			0	0%
5.4	Embedded <-> mobile app communication testing	Jubahed			0	0%
5.5	Mobile App UX & Reliability Testing	Alexander			0	0%
5.6	Final Wearable Device & Sensors Integraiton	All			0	0%

Timeline columns (weekly): 08-26 to 08-30 (WEEK 1), 09-02 to 09-06 (WEEK 2), 09-09 to 09-13 (WEEK 3), 09-16 to 09-20 (WEEK 4), 09-23 to 09-27 (WEEK 5), 09-30 to 10-04 (WEEK 6), 10-07 to 10-11 (WEEK 7), 10-21 to 10-25 (WEEK 8), 10-28 to 11-01 (WEEK 9), 11-04 to 11-08 (WEEK 10), 11-11 to 11-15 (WEEK 11), 11-18 to 11-22 (WEEK 12), 11-25 to 11-29 (WEEK 13), 12-02 to 12-06 (WEEK 14)