

The Agitators

Milestone 4

Robert Copsey, Noah Owens, Angel Alvarado,

Logan Smith, Kc Davis

Work Breakdown Structure

16 February 2026

Senior Design I



FLORIDA STATE UNIVERSITY

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1 – WORK BREAKDOWN STRUCTURE

This document outlines how work will be divided among the members of the team. Those assigned to certain roles will lead the work for that particular task. However, all team members will contribute to all aspects of the project so that all possible solutions will be thoroughly investigated and everyone will understand the direction of the project.

The schedule outlined is tentative and subject to change based on Merrick's timeline.

Agitator Torque Sensor - Prototype 1

Florida State University, Panama City

Senior Design I

Project start date: 1/19/2026

Scrolling increment: 10

Legend:

On track

Low risk

Med risk

High risk

Unassigned

Milestone description	Category	Assigned to	Progress	Start	Days
Mechanical Design					
Material Selection	On Track	Angel Alvarado Perez	90%	2/2/2026	5
Enclosure Design	On Track	Kc Davis	90%	2/2/2026	10
Sensor Design	On Track	Noah Owens	90%	2/2/2026	10
Production	On Track	Angel Alvarado Perez	10%	2/16/2026	7
Mechanical Drawings	On Track	Kc Davis	80%	2/4/2026	9
Electrical Design					
Electronics Selection	On Track	Logan Smith	60%	1/29/2026	13
Motor Control/Agitation	On Track	Logan Smith	50%	2/16/2026	14
Electronics Integration	On Track	Logan Smith	20%	2/8/2026	14
Safety Control	On Track	Robert Copsey	10%	2/16/2026	14
Calibration	On Track	Logan Smith	50%	2/12/2026	24
Data Processing					
Noise Filtering	On Track	Angel Alvarado Perez	10%	2/16/2026	14
Torque Calculations	On Track	Angel Alvarado Perez	10%	2/16/2026	21
Power Predictions	On Track	Kc Davis	10%	2/23/2026	21
Time Stamping	On Track	Noah Owens	10%	2/16/2026	14
Displaying and Storing Data	On Track	Noah Owens	10%	2/16/2026	21
Testing					
Ordering	On Track	Robert Copsey	50%	2/13/2026	5
Assembly	On Track	Robert Copsey	10%	2/16/2026	7
Data Collection	On Track	Noah Owens	10%	3/6/2026	21

