(v)			Feam: 517 Project: Green Propellant Thrust Stand														Da	<b>Date:</b> 22-Nov-24								
FAMU-FSU College of Engineering			U E	Project Objective: Create a stand to test and measure the forces of a microthruster																						
Objective																		Owner / Priority								
																		Owner / Friority								
Academics	Testing	Presentation	Graduation	Major Tasks Winter Break - Early Semester	Jan. 6th	Jan. 10th	Jan. 17th	Jan. 20th (MLK Day)	Jan. 24th	Jan. 31st	Feb. 7th	Feb. 14th	Feb. 21st	Feb. 28th	Mar. 7th	Mar. 10th - Mar. 14th (Spring Break)	Mar. 21st	Mar. 28th	Apr. 1st (SD Day)	Apr. 28th - May 2nd (Finals)	May 3rd (Graduation)	Aidan	Nicholas	Edward	Ryan	Jeffrey
	×			Finalize Calibration System	•																	×				
	×			Finalize Flame Bucket Setup	•																			×		
	×			Complete Modal Analysis		•																			×	
	×			Complete Thermal Analysis		•																				×
×				Spring Semester Initial Meeting		•																×	×	×	×	×
×				Setup Basic Error Propagation Code			•																		×	
				Finalizing Design																						
	×			Determine Pipe Fitting Connections		•																	×	×		
	×			Edit CAD		•																×				×
	×			Complete Final CAD			•																		×	
		×	<u> </u>	Begin Drawings for Design Book			•																	×		
		×		Finalize Drawings for Design Book						•														×		
				Rapid Prototyping																						
	×			Begin 3D Printing Components		•																				
	×			Construct Models/Reiteration			•		•	_												×	×	×		×
	×			Test and Validate Models					•	•														×		
				Final Prototype																						
	×			Order Materials			•															×				
	×			Begin Building						•	_												×	×		×
	×			Complete Build							•													×		
				Coding/Calibration					-																	
×				Sensor Testing		•		4	•							4									×	
X	1		1	Error Analysis MATLAB Prototype Signal Conditioning Testing		•	•			•															×	
×				Calibration System Mockup			•			•															×	
×				Arduino Code v1					•																×	
×				Arduino Code v2							•														×	
×				Arduino Code v3									•												×	
×				Debugging										•	•		•	•							×	
				Testing																						
	×			Set Up Stand for Testing										•									×	×		×
	×			Run Water Test										•								×	×	×	×	×
	×			Evaluate Thrust Data											•							×				
	×			Trip to MSFC/Run Hot Fire Test													•					×	×	×	×	×
	×			Evaluate Thrust Data														•				×			×	
				NASA Design Manual																						
		×		Add Material List Format Build Steps			•						•	•												×
		×		Format Build Steps Format CAD Drawings									•				•					×			×	
		×		Presentations																			×	×		
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