FAMU-FSU College of Engineering

Group: 512 **Project:** COE In-Space Cryogenic Propellant Storage Container **Date:** 3-De

Project Objective: Develop a solution for long term cryogenic propellant storage to maximize the length of space missions.

Objectives					Major Tasks	Project Completed By: May 01, 2022																Owner / Priority			
■				1	Semester Begins	TM																			
■				2	Spring Work Breakdown Structure		TM															X			
■				3	Finalize design		TM																		
■				4	CAD final design		TM																X		X
■				5	Update Bill of Materials		TM																	X	
■				6	Update Sponsor and Advisor		TM																		
	■			7	Order parts		TM																X		
			■	8	Apply for graduation (opens)			TM																	
			■	9	Apply for graduation (closes)				TM																
	■			10	Receive parts					TM															
	■			11	Assemble prototype						TM											X	X	X	X
	■			12	Refine and adjust design						TM											X	X	X	X
	■			13	Update final design						TM														
	■			14	CAD updated design						TM												X		
	■			15	Order more parts if needed						TM												X		
	■			16	Finalize prototype						TM														
		■		17	Update Sponsor and Advisor						TM											X			
	■			18	Begin testing							TM													X
■				19	Spring Break begins								TM												
	■			20	Complete testing									TM								X	X	X	X
■				21	Spring Break ends										TM										
	■			22	Analyze data											TM						X	X	X	X
	■			23	Finalize project											TM									
		■		24	Engineering Design Day												TM								
■				25	Last day of class													TM							
■				26	Finals week begins														TM						
■				27	Finals week ends															TM					
			■	28	Graduation																TM				
					# People working on the project: 4	1	2	3	4	5	6	7	8	9	10	11	12									

Academic | Testing | Presentation | Graduation

Major Tasks / **Target Dates** / **Objectives** / **Costs** / **Summary & Forecast**

5-Jan-22	7-Jan-22	12-Jan-22	18-Jan-22	18-Feb-22	25-Feb-22	28-Feb-22	11-Mar-22	14-Mar-22	18-Mar-22	25-Mar-22	1-Apr-22	22-Apr-22	25-Apr-22	28-Apr-22	30-Apr-22

Anna | Liam | Samantha | Brandon

Project Cost 0
Material Cost 0
Product Cost 0

Expended Budgeted

Description	Product Cost		Material Cost		Project Cost	
	Budgeted	Expended	Budgeted	Expended	Budgeted	Expended
	500	0	1000	0	2000	0

	Millions	
Labels	Budgeted	Expended
Product Cos	$500.00	$0.00
Material Cos	$1,000.00	$0.00
Project Cost	$2,000.00	$0.00

Salary	20
hours per week	40
number of weeks	16
Number of People	2
Weight Factor	1.75
Cost of Employee	25600

Driveline Issues & Problems:

Today's Date: Friday, December 03, 2021

	Issue:	How to resolve issue / What is needed:	Groups necessary to resolve issue:	Date Problem must be resolved:
1	Unsure of packaging constraints for front driveline	Packaging plans for engine compartment	BIW, Engines, Energy Management, Driveline	Friday, September 25, 2009
2	Unsure of packaging constraints for rear driveline	Packaging plans for driveshaft tunnel & rear sub-frame area	BIW, Engines, Energy Management, Suspensions, Driveline	Friday, September 25, 2009
3	Motor specificatoins are unknown	Motor specifications - (We are assuming the TM4)	Engines, Driveline	Thursday, October 01, 2009
4	Loading parameters are unknown for rear sub-frame	Simpack model of rear sub-frame is needed to determine vibration constraints	Dr. Venhovens, Driveline	Thursday, October 01, 2009
5	Design requirements for wheels & tires are unkown	Need input from California School of Design about design requirements	Dr. Venhovens, California Design School, Driveline	Friday, October 16, 2009

Results / Resolutions:

Issue:	
1	Get in touch with BIW, Maybe using a range extender with the gearbox and generator combined
2	Get in touch with necessary groups
3	Assume TM$, but not set in stone
4	Hopefully by the end of the week
5	Plan on 17" wheels with Chevy Volt tires from Michelin