Capstone Project Schedule - Summer Fall

Complete | Past Due | Coming Up

Finals Week | Design Freeze | Manufacturing Freeze | Competition Week

Category | In Progress | Complete | Past Due | Coming Up
Sub-Category

Project:
Last Updated: 10/18

Year			2019																											2020													
Month			Sept					Oct					Nov					Dec					Jan					Feb				Mar				Apr				May				
Task Description	Duration	Assign	9/2	9/9	9/16	9/23	9/30	10/7	10/14	10/21	10/28	11/4	11/11	11/18	11/25	12/2	12/9	12/16	12/23	12/30	1/6	1/13	1/20	1/27	2/3	2/10	2/17	2/24	3/2	3/9	3/16	3/23	3/30	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1
Client Interview Question	1w	All																																									
Client Interview	1w	All																																									
Skid Removal	1w	Omar/Saleh																																									
Alumni Interview	1w	Adam/Omar																																									
Complete Requirments	1w	All																																									
Solid Model Stock Skid	3w	All																																									
- CAD of Rail Assembly	2w	Adam																																									
- CAD of Front Suspension Assembly	2w	Saleh																																									
- CAD of Rear Suspension Assembly	3w	Omar																																									
Concept Design Development- Project Learning	5w																																										
-Electronic Power Transmission		Adam																																									
- Hydrostatic Motor		Omar																																									
- Dual Driven Skid		Saleh																																									
- Single Rear Driven Skid		Adam																																									
Snapshot Day 1	1d	Presentation																																									
Design Validation Plan	3w																																										
-Initial Plan		Adam																																									
-Detailed Plan		All																																									
Value Proposition	2w																																										
-Each Team Member Drafts a V.P.	1w	All																																									
-Final V.P. Drafted	1w	Adam																																									
Concept Design Review	1d	Meeting																																									
EPO of Long Lead Parts	1w	Saleh																																									
Snapshot Day 2	1d	Presentation																																									
Solid Model Design Skid & BOM	6w	All																																									
Rail & Driver Axles Assembly																																											
Detailed CAD																																											
FEA																																											
Drawing Package & BOM																																											
Forward Suspesion																																											
Detailed CAD																																											
FEA																																											
Drawing Package & BOM																																											
Rear Suspension																																											
Detailed CAD																																											
FEA																																											
Drawing Package & BOM																																											
Mid-Design Review					X																																						
Mid-Design Review Adjustments	1w																																										
Mid-Design Review #2								X																																			
Mid-Design Review #2 Adjustments																																											
dFMEA	2w																																										
Front and Rear Driving Axle Sub-Assemblies																																											
Runner Sub-Assembly																																											
Intermediate Axle Sub-Assembly																																											
Rear Suspension Sub-Assembly																																											
Forward Suspension Sub-Assembly																																											
Misc.																																											
Belt System																																											
Engineering Release Review	1d	Meeting								X																																	
Pre-Manufacturing Design Adjustments																																											
Fabricate Prototype Suspension	6w	All																																									
Rail Modification to accommodate pulley/driver axles																																											
Fabrictaion of Forward-Mid-Rear Axles																																											
Fabrication of Forward Suspension Arm																																											
Fabrication of Rear Suspension Arm																																											
Snapshot Day 3	1d	Presentation								X																																	
Assembly of Design Skid																																											
Assembly Instructions	1w																																										
Snapshot Day 4 (EXPO!!!) (12-06-2019)	1d	Presentation														X																											
Expo Poster	4d	All																																									
Design Report	2w	All																																									
Spring Capstone																																											
Snapshot Day 5									X																																		
Snapshot Day 6																X																											
Testing of Fabricated Skid																																											
In HEV																																											
Outside on Snow																																											
Design Validation Plan & Results																																											
Design Expo Registration Due	1d																							1/28																			
Design Final Expo Presentation																																					5/1						
Log Book Review																											2/21								4/17								
Team Citizenship Form																														3/10													
Comp. Paper																																											
REVision B Post Comp																																											
Susupension Design Improvements																																											
Axle Design Improvements																																											
Tensioner Design Improvements																																											
Drive system Design Adjustments																																											
Competition Week																														X													