Location: Mind WorksDate:1/22/2020Time:9:30 a.m.Duration: 30 Minutes

Attendance

Brannon Hudson, Thomas Entwit, Aref Hakami, Dr. Dan

Agenda Items

Item:	Speaker:	Time:
Manufacturing Update	Brannon	10 Minutes
Team Management Update	Thomas	10 Minutes
Assignment of New Graduate Student	Dr. Dan	5 Minutes
This Weeks Action Items	Thomas	5 Minutes

Item:	Assigned to:	Due by:
Manufacturing Items		12/12/2019
- Manufacture hubs	Omar	
- Find bronze stock/turn bronze spacers	Brannon	
- Runner Mods, measure and mark	Aref	
- Rear mount and weld plates hole reaming	Saleh	
Paper Items		12/12/2019
- System Architecture	Adam	
- Update Budget	Saleh	
- Compile Engr Drawing Package	Omar	
- Complete Bill of Materials	Aref	

Capstone Project Schedule - Summer Fall		Category	In Progress	Complete	Past Due	Coming Up
	Project:	Sub-Category	/	COLUMN AND A COLUMN AT		
	Last Updated:					

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Task Description	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	3/1
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Fabricate Prototype Suspension		N 19				1			1											1
Rail Modification to accommodate pulley/driver axles		1																		
Fabrictaion of Forward-Mid-Rear Axles						8	1													
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Fabrication of Rear Suspension Arm																				
Snapshot Day 3																				
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Additional Notes

Item:	Assigned to:	Due by:
Belt Sprockets – CNC Code Made up/Start Manufacturing	Brannon	Friday
Rear Break Round Stock Manufactured	" "	""
Tac Weld – Rear Welding Plates	""	" "
Price Check Local Hardware Stores for Bushings	Thomas	Friday
Weld Up Rear Arms	""	""
Register For Expo	""	""
Assess Team Management Role Assignments	""	""
Remove old Chain Spring – for Spring Tensioner	Aref	Friday
Budget Update	""	""

Location: Mind WorksDate:1/29/2020Time:9:30 a.m.Duration: 30 Minutes

Attendance

Brannon Hudson, Thomas Entwit, Aref Hakami, Dr. Dan, Dr. Beyerlein

Agenda Items

Item:	Speaker:	Time:
Manufacturing Update	Brannon/Thoma	10 Minutes
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Team Management Update	Thomas	5 Minutes
Assignment of New Graduate Student	Dr. Dan	5 Minutes
This Weeks Action Items – Manufacturing Focused	Thomas	10 Minutes

Item:	Assigned to:	Due by:
Belt Sprockets – CNC Code Made up/Start Manufacturing	Brannon	Friday
Rear Break Round Stock Manufactured	" "	""
Tac Weld – Rear Welding Plates	"	"""
Price Check Local Hardware Stores for Bushings	Thomas	Friday
Weld Up Rear Arms	""	""
Register For Expo	" "	""
Assess Team Management Role Assignments	""	""
Remove old Chain Spring – for Spring Tensioner	Aref	Friday
Budget Update	""	"""

Capstone Project Schedule - Summe	er Fa	all						C	ategor	y I	In Pr	ogress	i C	omple	ete	Pas	t Due	C	omin	g Up
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Additional Notes

Item:	Assigned to:	Due by:
Check Facilities for Logs of Aluminum	Brannon	Today
Manufacture Key Way cutter tool	Brannon	Friday
Manufacturing		
- Rear/Intermediate Axle	Brannon	Friday
- Splined end for Rear Axle	Brannon	Next Wednesday
- Forward Axle	Brannon	Next Friday
- Rear Arm Bottom Suspension Stock	Brannon	Today/Friday
- Rear Suspension Arm Top Welding	Thomas	Friday
- Jig for Rear Suspension Arm Top	Thomas	Next Wednesday
- Rear Arm Bottom Section Welding (after Stock turned)	Thomas	Friday
Help with Manufacturing Shop Time	Aref	All Week

Location: Mind WorksDate:2/5/2020Time:9:30 a.m.Duration: 30 Minutes

Attendance

Brannon Hudson, Thomas Entwit, Aref Hakami, Dr. Dan

Agenda Items

Item:	Speaker:	Time:
Manufacturing Update	Brannon/Thomas	10 Minutes
Team Management Update	Thomas	5 Minutes
Update on Possible New Graduate Student	Dr. Dan	5 Minutes
This Weeks Action Items - Manufacturing Focused Continued	Thomas	10 Minutes

Item:	Assigned to:	Due by:
Check Facilities for Logs of Aluminum	Brannon	Today
Manufacture Key Way cutter tool	Brannon	Friday
Manufacturing		
- Rear/Intermediate Axle	Brannon	Friday
- Splined end for Rear Axle	Brannon	Next Wednesday
- Forward Axle	Brannon	Next Friday
- Rear Arm Bottom Suspension Stock	Brannon	Today/Friday
- Rear Suspension Arm Top Welding	Thomas	Friday
- Jig for Rear Suspension Arm Top	Thomas	Next Wednesday
- Rear Arm Bottom Section Welding (after Stock turned)	Thomas	Friday
Help with Manufacturing Shop Time	Aref	All Week

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Additional Notes

Item:	Assigned to:	Due by:
Hardware Prep	Aref	2/11
Brake Line Completed in Cad	Aref	2/11
Finalize Brake Line Order and Place it	Thomas	2/8
Wiki Website Feedback (after reviewing other teams)	Aref	2/8
Finalize Engineering Release Review and look for Feedback	Team	2/11
Rear Arm work after Grad Student Produces Needed	Thomas	2/11
Component		
Request Grad Student help to make Rear Spring Tensioner Bolt	Thomas	2/8
Cap		
Search for additional source for Aluminum Stock outside of	Brannon	2/8
Metals Depot.		

Location: Mind WorksDate:2/12/2020Time:9:30 a.m.Duration: 30 Minutes

Attendance

Brannon Hudson, Thomas Entwit, Aref Hakami, Dr. Dan

Agenda Items

Item:	Speaker:	Time:
Manufacturing Update	Brannon/Thomas	10 Minutes
EXPO Magazine Feature	Thomas	5 Minutes
Engineering Release Review Subsitution	Team	5 Minutes
This Weeks Action Items - Manufacturing Focused Continued	Thomas	10 Minutes

Previous Action Items

Item:	Assigned to:	Due by:
Check Facilities for Logs of Aluminum	Brannon	Today
Manufacture Key Way cutter tool	Brannon	Friday
Manufacturing		
- Rear/Intermediate Axle	Brannon	Friday
- Splined end for Rear Axle	Brannon	Next Wednesday
- Forward Axle	Brannon	Next Friday
- Rear Arm Bottom Suspension Stock	Brannon	Today/Friday
- Rear Suspension Arm Top Welding	Thomas	Friday
- Rear Arm Bottom Section Welding (after Stock turned)	Thomas	Friday
Help with Manufacturing Shop Time	Aref	All Week

Additional Notes

- Metals Depot : Aluminum Round Stock 5" Dia. 1' Length : \$171.56 (with tax + Shipping)

Capstone Project Schedule - Summe	er F	all						C	atego	ry	In Pr	ogres	5 C	omple	ete	Pas	t Due	C	omin	g Up
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Team Citizenship Form																			3/10	
Comp. Paper																				
REVision B Post Comp																				
Susupension Design Improvements																				
Axle Design Improvements																				

Item:	Assigned to:	Due by:
Check into alternative locations to order stock Aluminum Logs	Brannon	2/19
Find and Plan Order for Brake Line to Rear Brake	Thomas	2/19
Organize Documents and Power Point for Engineering Release	Team	2/13
		(2PM to 3PM)
Manufacturing		
Cut Groves for Cir-Clips on Intermediate Axle and Rear Axle	Brannon	2/19
Weld on Splined end of Rear Axle	Brannon	2/19
Forward Axle Cut to Length	Brannon	2/19
Rear Suspension Arm Top Jig Creation	Thomas	2/19
Jig for Rear Arm Fastened together for Use	Thomas	2/14
Fix Fillet welds and re-weld where needed on Rear Arm	Thomas	2/14
Help with Manufacturing where you can	Aref	2/19

Location: Mind WorksDate:2/26/2020Time:9:30 a.m.Duration: 30 Minutes

Attendance

Brannon Hudson, Thomas Entwit, Aref Hakami, Dr. Dan

Agenda Items

Item:	Speaker:	Time:
Manufacturing Update	Brannon/Thomas	5 Minutes
Engineering Release Review Substitution Power Point Feedback	Dr. Dan	10 Minutes
This Weeks Action Items - Manufacturing Focused Continued	Thomas	5 Minutes
What to expect with midterms and Sled Comp from everyone over	Thomas	10 Minutes
next two weeks		

Previous Action Items

Item:	Assigned to:	Due by:
Check into alternative locations to order stock Aluminum Logs	Brannon	2/19
Find and Plan Order for Brake Line to Rear Brake	Thomas	2/19
Organize Documents and Power Point for Engineering Release	Team	2/13 (2PM to 3PM)
Manufacturing		
Cut Groves for Cir-Clips on Intermediate Axle and Rear Axle	Brannon	2/19
Weld on Splined end of Rear Axle	Brannon	2/19
Forward Axle Cut to Length	Brannon	2/19
Rear Suspension Arm Top Jig Creation	Thomas	2/19
Jig for Rear Arm Fastened together for Use	Thomas	2/14
Fix Fillet welds and re-weld where needed on Rear Arm	Thomas	2/14
Help with Manufacturing where you can	Aref	2/19

Additional Notes

- Metals Depot : Aluminum Round Stock 5" Dia. 1' Length : \$171.56 (with tax + Shipping)

Capstone Project Schedule - Summe	er Fa	all						C	ategoi	ry	In Pr	ogres	s C	omple	ete	Pas	t Due	C	omin	g Up
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Pre-Manufacturing Design Adjustments		-											-					-		
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Rail Modification to accommodate pulley/driver axles																				
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REVision B Post Comp																				
Susupension Design Improvements																				
Axle Design Improvements																				

Item:	Assigned to:	Due by:
Detailed Plan & Update of Bill of Materials	Thomas	2/28
Data Set Reputation Quantity Determined For Validation	Brannon	2/28
General Safety Procedures within Testing Process	Brannon	2/28
Manufacturing Update within Bill of Materials	Team	2/28
McMaster Car 5" Dia 1" wide	Brannon	2/28
-Explore Cobral Spokane		
-Coeur d'Alene Metals		

Location: Mind WorksDate:3/4/2020Time:9:30 a.m.Duration: 30 Minutes

Attendance

Brannon Hudson, Thomas Entwit, Aref Hakami, Dr. Dan

Agenda Items

Item:	Speaker:	Time:
Manufacturing / Ordering Update	Brannon/Thomas	5 Minutes
Engineering Release Review Substitution Power Point Feedback	Dr. Dan	10 Minutes
This Weeks Action Items - Sled Comp Preparation	Thomas	5 Minutes
What to expect with midterms and Sled Comp from everyone over	Thomas	10 Minutes
next two weeks		

Previous Action Items

Item:	Assigned to:	Due by:					
Check into alternative locations to order stock Aluminum Logs	Brannon	2/19					
Find and Plan Order for Brake Line to Rear Brake	Thomas	3/6					
Finalize Documents and Power Point for Engineering Release	se Team						
Manufacturing							
Detailed Plan & Update of Bill of Materials	Thomas	2/28					
Data Set Reputation Quantity Determined For Validation	Brannon	2/28					
General Safety Procedures within Testing Process	Brannon	2/28					
Manufacturing Update within Bill of Materials	Team	2/28					
McMaster Car 5" Dia 1" wide	Brannon	2/28					
-Explore Cobral Spokane							
-Coeur d'Alene Metals							
Rear Arm Finalization	Thomas	3/6					
Pre-Hardware Preparation for Assembly	Aref	3/3					

Additional Notes

- Metals Depot : Aluminum Round Stock 5" Dia. 1' Length : \$171.56 (with tax + Shipping)
- Jegs: Inverted Flair Connection P#555-631600 @ \$46.00 & Afco P#40251 \$5.50

Capstone Project Schedule - Summe	er Fa	all						C	ategoi	ry	In Pr	ogres	s C	omple	ete	Pas	t Due	C	omin	g U
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Pre-Manufacturing Design Adjustments	-		1		- ·				-						-			-		
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Item:	Assigned to:	Due by:
Front Arm Order Stolen Parts	Thomas	3/6
Finalize Power Point	Team	3/16
Finalize Welds and Weld Supports (Rear Arm)	Thomas	3/6
Wait to receive rear spring tensioner handed off to Grad Student	Thomas	3/6
Assemble Static Display for Comp	Thomas/Aref	3/6
Search for Brake line Components in Container	Thomas/Aref	3/5 2PM
Brake Line Order	Thomas	3/6?
Snapshot #3 8am Setup 8:30-10:15	Team	
Team Citizenship Form	Team	3/10
Team Portfolio (w/ review form)	Team	3/10
Wiki Page Update	Thomas	3/10

Location: Zoom VideoDate:3/25/2020Time:9:30 a.m.Duration: 30 Minutes

Attendance

Brannon Hudson, Thomas Entwit, Aref Hakami, Dr. Dan

Agenda Items

Item:	Speaker:	Time:
Direction - Manufacturing or Written Focas?	Brannon/Thomas	5 Minutes
Presentation? Feedback?	Dr. Dan	10 Minutes
Manufacturing / Ordering Update	Brannon/Thomas	5 Minutes

Previous Action Items

Item:	Assigned to:	Due by:
Front Arm Order Stolen Parts	Thomas	3/6
Finalize Power Point	Team	3/16
Finalize Welds and Weld Supports (Rear Arm)	Thomas	3/6
Wait to receive rear spring tensioner handed off to Grad Student	Thomas	3/6
Assemble Static Display for Comp	Thomas/Aref	3/6
Search for Brake line Components in Container	Thomas/Aref	3/5 2PM
Brake Line Order	Thomas	3/6?
Snapshot #3 8am Setup 8:30-10:15	Team	
Team Citizenship Form	Team	3/10
Team Portfolio (w/ review form)	Team	3/10
Wiki Page Update	Thomas	3/10

Additional Notes

- Metals Depot : Aluminum Round Stock 5" Dia. 1' Length : \$171.56 (with tax + Shipping)

Capstone Project Schedule - Summe	er Fa	all						C	atego	ry	In Pr	ogres	s C	omple	ete	Pas	t Due	C	omin	<mark>g U</mark> r
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Item:	Assigned to:	Due by:
Establish New Weekly Team Meetings for Paper Assembly	Team	Tuesdays (3:30)
Final Cad/Full Drawing Package	Aref/Then Team	4/8-4/15
Formal Review of Validation Plan Mid April @ latest	Team (Thomas Schedule)	4/8

Location: Zoom VideoDate:4/1/2020Time:9:30 a.m.Duration: 30 Minutes

Attendance

Brannon Hudson, Thomas Entwit, Aref Hakami, Dr. Dan

Agenda Items

Item:	Speaker:	Time:
Plan for Written Project Future	Thomas	10 Minutes
Validation Plan	Brannon	10 Minutes
Other Thoughts	Team	5 Minutes
Final Thoughts	Dr. Dan	5 Minutes

Previous Action Items

Item:	Assigned to:	Due by:
Establish New Weekly Team Meetings for Paper Assembly	Team	Tuesdays (3:30)
Final Cad/Full Drawing Package	Aref/Then Team	4/8-4/15
Formal Review of Validation Plan Mid April @ latest	Team (Thomas	4/8
	Schedule)	

Additional Notes

Capstone Project Schedule - Summer, Fall, Sprin	ng		Desi	ign Fre	eeze											Categ	ory	In Pro	gress	Com	olete	Past	Due	Coming
		Project:			Manuf	acturin	g Freez									Sub-Cat	egory							
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Year													202	0										
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Task Description	Duration	Assign	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
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Tensioner Design Improvements																								
Drive system Design Adjustments																								

Item:	Assigned to:	Due by:
Still Need to Set Up Validation Plan Meeting after Validation	Brannon (Email	4/8
Plan is reviewed via Email Thread with Dr. Dan, Dr. Beyerlein,	Thread after Edits)	
and Dr. Swenson.	Thomas (Schedule	4/14
	Video Meeting)	
Setting up Aref on Shared-Drive from home	Aref	4/1
Final Cad/Full Drawing Package Review	Aref-Team	4/8-4/15
Update Meeting Minutes Archive	Thomas	4/8
Review Capstone Project Requirements and Report Back to	Team	4/8
Team on Milestones We still Must Meet/ Anything Else to come.		

Location:

Date: 4/8/2020

Zoom Conference Time: 9:30 a.m.

Duration: 30 Minutes

Zoom Link:

https://uidaho.zoom.us/j/110675755

Attendance

Brannon Hudson, Thomas Entwit, Aref Hakami, Dr. Dan

Agenda Items

Item:	Speaker:	Time:
Project Requirements Review	Team	5 Minutes
Validation Plan	Brannon	5 Minutes
Shared Drive Access (however plausible)	Aref	5 Minutes
Action Items	Thomas	5 Minutes
ENGR Marketing Additional Add on to Capstone Project	Alexiss	10 Minutes

Item:	Assigned to:	Due by:
Still Need to Set Up Validation Plan Meeting after Validation Plan is	Brannon (Email	4/8
reviewed via Email Thread with Dr. Dan, Dr. Beyerlein, and Dr.	Thread after Edits)	
Swenson.	Thomas (Schedule	4/14
	Video Meeting)	
Setting up Aref on Shared-Drive from home	Aref	4/1
Final Cad/Full Drawing Package Review	Aref-Team	4/8-4/15
Update Meeting Minutes Archive	Thomas	4/8
Review Capstone Project Requirements and Report Back to Team	Team	4/8
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Capstone Project Schedule - Summer, Fall, Spri	ng		Desi	ign Fre	eeze											Cate	gory	In Pro	gress	Com	plete	Past	Due	Coming
		Project:			Manuf	acturin	g Freeze									Sub-Ca	tegory							
		Last Updated:										Comp	etition	Week										
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Month					Jan				F	eb			м	ar			A	pr				May		
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Drive system Design Adjustments																								

Item:	Assigned to:	Due by:
Addendum to Final Report as a Team		
-Drawing Package		
-Manufacturing Plan Updates		
-DFMEA Written Portion Not Excel (except as an appendix)		
-Validation Plan/Testing		
-Recommended Changes for Future Iteration (If Project		
repeated and recompleted)		
K-12 Online		
-Short Video 2-3 Minutes		
-Picture Slideshow		
-Creating a Purposeful Program		
-why we purposed the idea?		
-engineering design challenges to get overcome though out the		
process?		
Team Focus		
- Technical Purpose to sink there teeth into		
- Why the competition exists		
- What is the teams purpose for environmental impact?		
- What is the teams impact is on the average college		
engineering experience?		

- Industry impact		
Final Deliverables for the Project		
- Portfolio Updated		
- The final Written Report		
- The short Video For Engineering Marketing		
- The Expo (Parts) working ideas changing		
- The Final Cad Package		
- WikiPage Update		
- Possible Workspace Cleaning		
	1	

Additional Notes