Capstone Project Schedule Template - Summer Fall

Project: Robotic Assembly Line- RoboShop

Last Updated: 10/4/2019

		Year	2019																													
		Month	June			July					Aug				Sept				Oct					Nov				Dec				
Task Description	Duration (hrs)	Assign	6/10	6/17	6/24	7/1	7/8	7/15	7/22	7/29	8/5	8/12	8/19	8/26	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
	Duration																															
Documentation/Ordering																																
Initial budget	3	Jk, SA, MA,BH																														
Client meeting	2	Jk, SA, MA,BH																														
Product reqs	2	Jk, SA, MA,BH			6/24																											
Wiki page setup	0.5	Jk,BH																														
Wiki page 2.0	3	BH																														
research screw driver	4	SA, BH																														
Order Fillament and torque screw	1	BH																														
Order filament 2.0	0.25	JK																														
Project Value Proposition	1	BH							7/22																							
Concept Design review	6	JK,SA,MA,BH							7/25																							
Create Snapshot story board	4	JK								8/1																						
Enigneering Release review	2	BH																9/27														
wiki page final	4	JK,BH																	4-Oct													
Design Review	4	BH,JK,SA																														
FINAL DESIGN REVIEW	4	BH																														
Print 3D parts	**60**																															
Draw Grippers	0.5	JK																														
Print Grippers	5	JK																														
Draw Template 1.0	2	JK																														
Print Templates 1.0	12	JK																														
Draw Template 2.0	1.5	JK																														
Print Templates 2.0	16	JK																														
Draw Templares 3.0	2	JK																														
Print Templates 3.0	16	JK																														
install templates in manufacture cell	2	SA																														
Fill in Wiki Page	2	BH																														
laser cut jigs	2	JK																														
install jigs	0.5	JK																														
Design Validation Plan	4	JK						7/15																								
Arm #1 move template to scanner	5	MA				X	X																									
Scanner	**8**																															
Get scanner to read template barcode	5	BH						X	X																							
intergrate Arm#1 and scanner operation	3	BH,MA																														
ROBOT #1																																
Perfect Robot 1 code																																
Test moving all parts																																
ROBOT #2	**14**																															
Robot#2 hold screws	1	BH						X																								
Perfect robot #2 code	10	SA																														
Robot#2 move screws	2	MA																														
Coordinates to screw holes	10	MA,SA																														
Robot#2 to screw fasteners	**31**																															
Fastener jig	3	BH																														
Design fastener jig prototype#1	3	JK																														
Design fastener jig prototype#2	3	SA																														
Design fastener jig prototype#3	3	BH																														
Select final fastener jig design	10	BH,Jk																														
make fastener jig	3	BH																														
Install fastener jig	2	BH																														
Slider jig 3.0	2	JK,BH,SA																														
Test robot#2 selecting screw from fastener jig	3																															
Design hopper screw holder	1																															
Build hopper screw holder	**20**																															
Machine Parts	6	JK,BH,SA																														
Machine Aluminum Square	8	JK																														
Machine Aluminum Circle	6	BH																														
Machine Aluminum Octagon	**25**																															
Intergrated Operations	15	BH,JK,SA																														
Put code into 2 codes that work simultaneously	10	BH,JK,SA																														
Test entire manufacturing process		BH,JK,SA																														