

Project_Schedule_T08								
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	
1	Research	Research	25 days	Sat 10/10/15	Tue 11/3/15			
2	Research best battery	Research best battery	1 day	Sat 10/10/15	Sat 10/10/15		Tim	
3	Research servo position encoders "feature"	Research servo position encoders "feature"	5 days	Tue 10/13/15	Sat 10/17/15		Tim	
4	Research proper servo	Research proper servo	2 days	Fri 10/16/15	Sat 10/17/15		Tim	
5	Research IR Sensor	Research IR Sensor	4 days	Sun 10/18/15	Wed 10/21/15		Jared	
6	Research LCD	Research LCD	5 days	Sun 10/18/15	Thu 10/22/15		Jared,Naser	
7	Research breadboard prototype parts	Research breadboard prototype parts	2 days	Sun 10/18/15	Mon 10/19/15		Matt	
8	Investigate Atmega 328 documentation	Investigate Atmega 328 documentation	5 days	Tue 10/20/15	Sat 10/24/15		Tim,Naser	
9	Research LDO voltage divisors	Research LDO voltage divisors	3 days	Wed 10/21/15	Fri 10/23/15		Tim,Naser	
10	Research protoboard LED light	Research protoboard LED light	1 day	Fri 10/23/15	Fri 10/23/15		Matt	
11	Derisked Servo	Derisked Servo	2 days	Fri 10/23/15	Sat 10/24/15		Tim	
12	Derisked programming MC	Derisked programming MC	1 day	Sat 10/24/15	Sat 10/24/15		Tim	
13	Research IR sensor and ADC interface programming	Research IR sensor and ADC interface programming	6 days	Sun 10/25/15	Fri 10/30/15		Jared	
14	Derisked IR sensor	Derisked IR sensor	1 day	Sat 10/31/15	Sat 10/31/15		Tim	
15	Research PWM on Atmega328p	Research PWM on Atmega328p	1 day	Sat 10/31/15	Sat 10/31/15		Jared	
16	Research timers/interrupts	Research timers/interrupts	2 days	Sat 10/31/15	Sun 11/1/15		Matt	
17	Research Two Wire and LCD interface	Research Two Wire and LCD interface	4 days	Sat 10/31/15	Tue 11/3/15		Jared	
18	Parts ordered and subwork done	Parts ordered and subwork done	25 days	Sun 10/11/15	Wed 11/4/15			
19	RC car	RC car	3 days	Sun 10/11/15	Tue 10/13/15		Naser	
20	Parts orders	Parts orders	3 days	Mon 10/19/15	Wed 10/21/15		Matt	
21	Servo	Servo	4 days	Tue 10/20/15	Fri 10/23/15		Matt	
22	IR sensor and voltage regulator	IR sensor and voltage regulator	1 day	Fri 10/23/15	Fri 10/23/15		Jared	
23	Sensors, IC, programmer	Sensors, IC, programmer	1 day	Sat 10/24/15	Sat 10/24/15		Matt	
24	Atmega328, Lcd, and miscellaneous components	Atmega328, Lcd, and miscellaneous components	1 day	Mon 10/26/15	Mon 10/26/15		Jared	
25	Write LED blinking program	Write LED blinking program	1 day	Fri 10/23/15	Fri 10/23/15		Matt,Jared	
26	Program LED with sensor input	Program LED with sensor input	1 day	Sat 10/31/15	Sat 10/31/15	25	25	
27	Mount Servo on top of RC car	Mount Servo on top of RC car	2 days	Tue 11/3/15	Wed 11/4/15		Naser	
28	1. Project proposal	1. Project proposal	10 days	Mon 10/5/15	Wed 10/14/15			
29	Choosing team members	Choosing team members	3 days	Mon 10/5/15	Wed 10/7/15		Jared,Matt,Naser, Tim	
30	Generate practicum ideas	Generate practicum ideas	2 days	Thu 10/8/15	Fri 10/9/15	29	29	
31	Create decision matrix	Create decision matrix	1 day	Sat 10/10/15	Sat 10/10/15	30	30	
32	Write project proposal draft	Write project proposal draft	1 day	Sat 10/10/15	Sat 10/10/15	31FS-1 day	31FS-1 day	
33	Review Project proposal	Review Project proposal	2 days	Sun 10/11/15	Mon 10/12/15	32	32	
34	Revise project proposal	Revise project proposal	2 days	Tue 10/13/15	Wed 10/14/15	33	33	

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35	i	2. Product Design Specification	12 days	Thu 10/15/15	Mon 10/26/15	28	28
36	grid person	Write requirement document draft	1 day	Sat 10/24/15	Sat 10/24/15		Tim
37	grid person	Review requirement document	2 days	Sat 10/24/15	Sun 10/25/15	36FS-1 day	36FS-1 day
38	grid person	Revise requirement document	2 days	Sun 10/25/15	Mon 10/26/15	37FS-1 day	37FS-1 day
39	i	3. Project Schedule	9 days	Tue 10/27/15	Wed 11/4/15	35	35
40	grid person	Create project schedule draft	3 days	Fri 10/30/15	Sun 11/1/15		Naser
41	grid person	Review project schedule	2 days	Sun 11/1/15	Mon 11/2/15	40FS-1 day	40FS-1 day
42	grid person	Revise project schedule	3 days	Mon 11/2/15	Wed 11/4/15	41FS-1 day	41FS-1 day
43	i	4. Design Circuitry	12 days	Fri 10/23/15	Tue 11/3/15		
44	grid person	Rev1 Schematic	2 days	Fri 10/23/15	Sat 10/24/15		Jared
45	grid person	Preliminary Schematic in EAGLE	9 days	Fri 10/23/15	Sat 10/31/15		Tim
46	grid person	Review Preliminary Schematic	1 day	Sun 11/1/15	Sun 11/1/15	45	45
47	grid person	Revise preliminary Schmatic	1 day	Sun 11/1/15	Sun 11/1/15	46FS-1 day	46FS-1 day
48	grid person	Assemble bill of materials	1 day	Sun 11/1/15	Sun 11/1/15	47FS-1 day	47FS-1 day
49	grid person	Pass ERC	2 days	Sun 11/1/15	Mon 11/2/15	48FS-1 day	48FS-1 day
50	grid person	Peer review schematic	1 day	Tue 11/3/15	Tue 11/3/15	49	49
51	i	5. PCB	11 days	Tue 11/3/15	Fri 11/13/15		
52	grid person	preliminary PCB Layout	4 days	Tue 11/3/15	Fri 11/6/15		Tim
53	grid person	Review Preliminary Layout	1 day	Sat 11/7/15	Sat 11/7/15	52	52
54	grid person	Revise preliminary Layout	1 day	Sun 11/8/15	Sun 11/8/15	53	53
55	grid person	Pass DRC	2 days	Sun 11/8/15	Mon 11/9/15	54FS-1 day	54FS-1 day
56	grid person	Submit schematic to OSH Park	3 days	Wed 11/11/15	Fri 11/13/15		
57	i	6. System design/modeling	14 days	Thu 11/5/15	Wed 11/18/15	39	39
58	grid person	Draw level-0 and level-1 block diagrams	3 days	Fri 11/6/15	Sun 11/8/15		Jared,Matt,Naser, Tim
59	grid person	Describe system used	4 days	Sun 11/8/15	Wed 11/11/15	58FS-1 day	58FS-1 day
60	grid person	Review system design and modeling	1 day	Fri 11/13/15	Fri 11/13/15	59	59
61	grid person	Revise system design and modeling	5 days	Sat 11/14/15	Wed 11/18/15	60	60
62	i	7. Assembly	10 days	Sat 11/21/15	Mon 11/30/15		
63	grid person	PCBs expected from vendor	4 days	Sat 11/21/15	Tue 11/24/15		
64	grid person	Soldering	4 days	Mon 11/23/15	Thu 11/26/15		Jared,Matt,Naser, Tim
65	grid person	Packaging	4 days	Fri 11/27/15	Mon 11/30/15		Jared,Matt,Naser, Tim
66	i	8. Test Plan	7 days	Thu 11/19/15	Wed 11/25/15	57	57
67	grid person	Create test plan	3 days	Thu 11/19/15	Sat 11/21/15		Jared,Matt,Naser, Tim
68	grid person	Review test plan	1 day	Mon 11/23/15	Mon 11/23/15	67	67
69	grid person	Revise test plan	2 days	Tue 11/24/15	Wed 11/25/15	68	68
70	grid person	9. Presentation and Demo	5 days	Mon 12/7/15	Fri 12/11/15		Jared,Matt,Naser, Tim