

MSD II Project Plan

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		P14031 MSD II	82 days	Tue 1/28/14	Tue 5/20/14	
2	✓	Order Parts/Supplies	16 days	Tue 1/28/14	Tue 2/18/14	
3	✓	Amazon Purchase (Online)	1 day	Tue 2/4/14	Tue 2/4/14	
4	✓	Lowe's Purchases (In Store)	1 day	Tue 1/28/14	Tue 1/28/14	
5	✓	McMaster Purchase (Online)	8 days	Tue 2/4/14	Thu 2/13/14	
6	✓	Pittsford Lumber Purchase (In Store)	11 days	Tue 2/4/14	Tue 2/18/14	
7	✓	Call for updated Quote	1 day	Tue 2/4/14	Tue 2/4/14	
8	✓	Purchase/Pick-Up Plywood	1 day	Tue 2/18/14	Tue 2/18/14	7
9	✓	All BOM Materials received	0 days	Tue 2/18/14	Tue 2/18/14	3,4,5,6
10	✓	2014 ASME Design Competition	12 days	Thu 1/30/14	Fri 2/14/14	
11	✓	Proposal Form	2 days	Thu 1/30/14	Fri 1/31/14	
12	✓	2-Page Paper	9 days	Tue 2/4/14	Fri 2/14/14	
13	✓	Outline	1 day	Tue 2/4/14	Tue 2/4/14	11
14	✓	Complete Paper	3 days	Wed 2/5/14	Sun 2/9/14	13
15	✓	Review Paper with guide before submission	2 days	Mon 2/10/14	Tue 2/11/14	14
16	✓	Submit paper online	1 day	Fri 2/14/14	Fri 2/14/14	15
17	✓	Week 2 Review with Guide	13 days	Tue 1/28/14	Thu 2/13/14	
18	✓	Create Purchase Req Log	1 day	Tue 1/28/14	Tue 1/28/14	
19	✓	Create Issues Tracking Log	1 day	Tue 2/4/14	Tue 2/4/14	
20	✓	Project Schedule (updated from MSD I)	1 day	Tue 2/4/14	Tue 2/4/14	
21	✓	Test Plans (Rev 2)	3 days	Thu 1/30/14	Mon 2/3/14	
22	✓	Risk Assessment (Rev 2)	1 day	Tue 2/4/14	Tue 2/4/14	
23	✓	Proof of feasibility (PVC leg)	1 day	Thu 2/13/14	Thu 2/13/14	
24	✓	Peer Assessment/Open Discussion for team	1 day	Thu 2/13/14	Thu 2/13/14	
25	✓	Building	12 days	Thu 2/13/14	Fri 2/28/14	9
26	✓	Base	5 days	Wed 2/19/14	Tue 2/25/14	
27	✓	Lower Base Build	2 days	Wed 2/19/14	Thu 2/20/14	
28	✓	Upper Base Build	2 days	Wed 2/19/14	Thu 2/20/14	
29	✓	Base Manufacturing Plan	2 days	Wed 2/19/14	Thu 2/20/14	27SS,28SS
30	✓	Assemble Base	3 days	Fri 2/21/14	Tue 2/25/14	29
31	✓	Cantilevered PVC Arm	11 days	Thu 2/13/14	Thu 2/27/14	
32	✓	PVC Arm Build	3 days	Thu 2/13/14	Mon 2/17/14	
33	✓	PVC Arm Manufacturing Plan	3 days	Wed 2/19/14	Fri 2/21/14	32SS
34	✓	Assemble PVC arm to Base	1 day	Wed 2/26/14	Wed 2/26/14	33,30
35	✓	Seat Assembly	7 days	Wed 2/19/14	Thu 2/27/14	
36	✓	Seat Build	2 days	Wed 2/19/14	Thu 2/20/14	
37	✓	Seat Assy Manufacturing Plan	3 days	Wed 2/19/14	Fri 2/21/14	36SS
38	✓	Assemble seat to PVC arm	1 day	Thu 2/27/14	Thu 2/27/14	37,34
39	✓	Locking/Braking Mechanism	7 days	Wed 2/19/14	Thu 2/27/14	
40	✓	Lock/Brake Build	2 days	Wed 2/19/14	Thu 2/20/14	
41	✓	Lock/Brake Manufacturing Plan	3 days	Wed 2/19/14	Fri 2/21/14	40SS
42	✓	Assemble Lock/Brake to Base	1 day	Thu 2/27/14	Thu 2/27/14	34,41
43	✓	Securing Mechanism (Device to Sonar)	8 days	Wed 2/19/14	Fri 2/28/14	
44	✓	Securing Mechanism Build	2 days	Wed 2/19/14	Thu 2/20/14	
45	✓	Securing Mechanism Manufacturing Plan	2 days	Wed 2/19/14	Thu 2/20/14	44SS
46	✓	Assemble securing mechanism to Base (underside)	1 day	Fri 2/28/14	Fri 2/28/14	42,45
47	✓	Consolidate to one Manufacturing Plan	3 days	Mon 2/24/14	Wed 2/26/14	29,33,37,45,41
48	✓	Testing (see Test Plan for details)	21 days	Tue 2/11/14	Tue 3/11/14	25SS
49	✓	Schedule Sonar for testing	5 days	Fri 2/28/14	Thu 3/6/14	
50	✓	TP1	3 days	Fri 3/7/14	Tue 3/11/14	25,49
51	✓	TP2	3 days	Fri 3/7/14	Tue 3/11/14	49,25
52	✓	TP3	3 days	Mon 3/3/14	Wed 3/5/14	25
53	✓	TP4	3 days	Fri 3/7/14	Tue 3/11/14	49,25
54	✓	TP5	3 days	Mon 3/3/14	Wed 3/5/14	25
55	✓	TP6	3 days	Fri 3/7/14	Tue 3/11/14	49,25
56	✓	TP7	3 days	Fri 3/7/14	Tue 3/11/14	49,25
57	✓	TP8	3 days	Fri 3/7/14	Tue 3/11/14	49,25
58	✓	TP9	3 days	Fri 3/7/14	Tue 3/11/14	49,25
59	✓	TP10	3 days	Mon 3/3/14	Wed 3/5/14	25
60	✓	TP11	3 days	Fri 3/7/14	Tue 3/11/14	49,25
61	✓	TP12	3 days	Fri 3/7/14	Tue 3/11/14	49,25
62	✓	TP13	3 days	Fri 3/7/14	Tue 3/11/14	49,25
63	✓	TP14	3 days	Fri 3/7/14	Tue 3/11/14	49,25
64	✓	TP15	3 days	Mon 3/3/14	Wed 3/5/14	25
65	✓	TP16	3 days	Fri 3/7/14	Tue 3/11/14	49
66	✓	TP17	3 days	Mon 3/3/14	Wed 3/5/14	25

MSD II Project Plan

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
67	✓	TP18	3 days	Tue 2/11/14	Thu 2/13/14	
68	✓	Update Eng Req with actual specs of design	1 day	Fri 3/7/14	Fri 3/7/14	50SS
69	✓	Week 5 Functional Demo	18 days	Tue 2/4/14	Thu 2/27/14	17
70	✓	Risk Assessment (Rev 3)	1 day	Tue 2/4/14	Tue 2/4/14	
71	✓	Peer Assessment/Open Discussion for team	0 days	Tue 2/4/14	Tue 2/4/14	
72	✓	Week 8 Integrated System Demo (no customer)	31 days	Tue 2/4/14	Tue 3/18/14	69
73	✓	Risk Assessment (Rev 4)	1 day	Tue 2/4/14	Tue 2/4/14	
74	✓	Peer Assessment/Open Discussion for team	0 days	Tue 2/4/14	Tue 2/4/14	
75	✓	MSD Technical Paper	61 days	Tue 2/4/14	Tue 4/29/14	
76	✓	Paper Outline	2 days	Tue 2/11/14	Wed 2/12/14	48SS
77	✓	Writing Paper	10 days	Thu 2/13/14	Wed 2/26/14	76
78	✓	Review Paper with guide before submission	5 days	Thu 2/27/14	Wed 3/5/14	77
79	✓	Week 11 Integrated System Demo (with customer)	51 days	Tue 2/4/14	Tue 4/15/14	72
80	✓	Risk Assessment (Rev 5)	1 day	Tue 2/4/14	Tue 2/4/14	
81	✓	Peer Assessment/Open Discussion for team	0 days	Tue 2/4/14	Tue 2/4/14	
82	✓	Imagine RIT	37 days	Fri 3/14/14	Sat 5/3/14	
83	✓	Proposal Application (with P14032)	1 day	Fri 3/14/14	Fri 3/14/14	
84	✓	Project Poster	10 days	Wed 4/16/14	Tue 4/29/14	
85	✓	Elevator Speech	5 days	Tue 4/29/14	Sat 5/3/14	
86	✓	IMAGINE RIT!!!!	1 day	Sat 5/3/14	Sat 5/3/14	
87	✓	Week 15 Final Project Presentation	72 days	Tue 2/4/14	Tue 5/13/14	
88	✓	Poster Session & Project Open House	1 day	Tue 5/13/14	Tue 5/13/14	
89	✓	Update BOM to reflect final design	1 day	Thu 5/8/14	Thu 5/8/14	
90	✓	Update drawing package	3 days	Tue 5/6/14	Thu 5/8/14	
91	✓	Finalize Customer Doc Package	2 days	Wed 5/7/14	Thu 5/8/14	
92	✓	Manufacturing Plan	2 days	Wed 5/7/14	Thu 5/8/14	
93	✓	Installation Instructions	2 days	Wed 5/7/14	Thu 5/8/14	
94	✓	Project Closeout	77 days	Tue 2/4/14	Tue 5/20/14	
95	✓	Clean project space in Institute Hall	1 day	Wed 5/14/14	Wed 5/14/14	87
96	✓	Delivery to Customer	5 days	Wed 5/14/14	Tue 5/20/14	87
97	✓	Finalize EDGE Page	1 day	Wed 5/14/14	Wed 5/14/14	87
98	✓	Return un-used materials, if possible	2 days	Wed 5/14/14	Thu 5/15/14	87