

ID	Task Mode	Task Name	Start	Finish	Week 1											
					F	S	S	M	T	W	T	F	S	S		
1	✓		START OF MSD I	Fri 12/7/12	Fri 12/7/12	▶	12/7									
2			Weeks of Winter Quarter	Mon 12/10/12	Fri 2/15/13											
11	✓		Phase I System Design: Stations 1-5	Fri 12/7/12	Fri 5/17/13											
12	✓		Planning	Fri 12/14/12	Fri 1/18/13											
13	✓		Team Photo	Fri 1/18/13	Fri 1/18/13											
14	✓		1 Page Summary	Tue 1/15/13	Tue 1/15/13											
15	✓		Customer Needs Definition	Fri 12/14/12	Fri 12/14/12											◆ 12/14
16	✓		Specifications Definition	Fri 12/21/12	Thu 1/17/13											
17	✓		Concept Development	Fri 12/7/12	Tue 1/22/13											
18	✓		Functional Decomposition	Fri 12/7/12	Thu 12/13/12											
19	✓		Benchmarking/Brainstorming	Fri 12/7/12	Fri 12/7/12	◆	12/7									
20	✓		Translational Movement	Fri 12/7/12	Fri 12/7/12	◆	12/7									
21	✓		Lifting/Loading	Fri 12/7/12	Fri 12/7/12	◆	12/7									
22	✓		Concept Selection	Thu 1/10/13	Tue 1/22/13											
23	✓		Systems Design	Fri 1/11/13	Tue 1/22/13											
24	✓		Peer Evaluation	Fri 1/18/13	Fri 1/18/13											
25	✓		Risk Management	Fri 1/11/13	Fri 1/11/13											
26	✓		Systems Architecture	Fri 1/11/13	Tue 1/22/13											
27	✓		Systems Design Presentation for Phase I	Fri 1/18/13	Fri 1/18/13											
28	✓		Detailed Design for Prototype	Wed 1/23/13	Mon 3/11/13											
29	✓		Determine scale of prototype from D-R	Fri 1/25/13	Mon 1/28/13											
30	✓		Update needs, risks, and plan based on SDR feedback	Fri 1/25/13	Fri 1/25/13											
31	✓		Frame Subsystem	Wed 1/23/13	Tue 2/5/13											
32	✓		Create 2D drawings, 3D models	Wed 1/23/13	Tue 2/5/13											

Project: P13458 Dresser Rand Com Date: Tue 5/7/13	Task		External Milestone	◆	Manual Summary Rollup	
	Split		Inactive Task		Manual Summary	
	Milestone	◆	Inactive Milestone	◆	Start-only	
	Summary		Inactive Summary		Finish-only	
	Project Summary		Manual Task		Deadline	↓
	External Tasks		Duration-only		Progress	

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33	✓		Justify design through eng analysis	Wed 1/23/13	Tue 2/5/13											
34	✓		Create BOM for frame	Wed 1/23/13	Tue 2/5/13											
35	✓		Translational Movement Subsystem - casters	Wed 1/23/13	Tue 2/5/13											
36	✓		Create 2D drawings, 3D models	Wed 1/23/13	Tue 2/5/13											
37	✓		Justify design through eng analysis	Wed 1/23/13	Tue 2/5/13											
38	✓		Create BOM for caster system	Wed 1/23/13	Tue 2/5/13											
39	✓		Subsystem Integration	Wed 2/6/13	Wed 2/6/13											
40	✓		Create assembly drawings	Wed 2/6/13	Wed 2/6/13											
41	✓		Create BOM for connectors	Wed 2/6/13	Wed 2/6/13											
42	✓		Purchase parts locally	Thu 2/7/13	Thu 2/7/13											
43	✓		Build Prototype	Fri 3/8/13	Mon 3/11/13											
44	✓		Prelim Detailed Design Review for Phase I with Prototype @ D-R	Fri 2/15/13	Fri 2/15/13											
45	✓		MSD I Rubric Review	Wed 2/20/13	Wed 2/20/13											
46	✓		START OF MSD II	Mon 3/4/13	Mon 3/4/13											
47	✓		Weeks of Spring Quarter	Mon 3/4/13	Fri 5/10/13											
58	✓		Finals Week	Mon 5/13/13	Fri 5/17/13											
59	✓		Air Bearing System Design	Wed 1/23/13	Fri 5/10/13											
60	✓		Determine direction after air bearing demo	Mon 3/4/13	Wed 3/13/13											
61	✓		Understand financial justification for overall project and payback period for sytem	Tue 3/26/13	Fri 5/10/13											
62	✓		Justify ergonomics of system	Wed 1/23/13	Fri 5/10/13											
63	✓		Slave Pallet Design	Wed 1/23/13	Wed 3/20/13											
64	✓		Create drawings with dimensions	Wed 1/23/13	Wed 3/20/13											
65	✓		Justify design through analysis	Wed 1/23/13	Wed 3/20/13											

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66	✓	➡	Assess Risks of Design and Create Mitigation Plan	Wed 1/23/13	Wed 3/20/13											
67	✓	➡	Create Test Plan to meet specs	Wed 1/23/13	Wed 3/20/13											
68	✓	➡	Air Bearing Design	Tue 3/26/13	Fri 5/10/13											
69	✓	➡	Create drawings with dimensions	Tue 3/26/13	Fri 5/10/13											
70	✓	➡	Justify design through analysis	Tue 3/26/13	Fri 5/10/13											
71	✓	➡	Assess Risks of Design and Create Mitigation Plan	Tue 3/26/13	Thu 5/9/13											
72	✓	➡	Create Cost Estimate for system	Tue 3/26/13	Fri 5/3/13											
73	✓	➡	Create Test Plan to meet specs	Tue 3/26/13	Fri 5/10/13											
74	✓	➡	Preliminary Air Bearing Design Review (#1)	Fri 3/22/13	Fri 3/22/13											
75	✓	➡	Detailed Air Bearing Design Review (#2)	Fri 4/19/13	Fri 4/19/13											
76	✓	➡	Final Air Bearing Design Review (#3)	Fri 5/3/13	Fri 5/3/13											
77	✓	➡	Layout Design	Wed 1/30/13	Fri 5/3/13											
78	✓	➡	Define Requirements from D-R	Wed 1/30/13	Fri 2/8/13											
79	✓	➡	Layout 3P Event	Fri 4/19/13	Fri 4/19/13											
80	✓	➡	Layout Review 1	Fri 2/15/13	Fri 2/15/13											
81	✓	➡	Layout Review 2	Fri 3/22/13	Fri 3/22/13											
82	✓	➡	Final Layout Review	Fri 5/3/13	Fri 5/3/13											
83		➡	Paper and Poster	Fri 3/29/13	Fri 5/10/13											
84	✓	➡	Register for ImagineRIT Exhibitor	Fri 3/29/13	Fri 3/29/13											
85	✓	➡	Outline of Paper and Poster Due (25%)	Fri 3/29/13	Fri 3/29/13											
86	✓	➡	50% of Paper/Poster Complete	Fri 4/12/13	Fri 4/12/13											
87	✓	➡	75% of Paper/Poster Complete	Fri 4/19/13	Fri 4/19/13											
88	✓	➡	Paper Workshop	Fri 4/26/13	Fri 4/26/13											
89	📅	➡	100% of Paper Complete	Fri 5/10/13	Fri 5/10/13											

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90		100% of Poster Complete	Mon 4/29/13	Mon 4/29/13										
91		Poster Session at Imagine RIT	Sat 5/4/13	Sat 5/4/13										
92		Final Presentations	Fri 5/10/13	Wed 5/15/13										
93		MSD II Final Presentation @ RIT	Fri 5/10/13	Fri 5/10/13										
94		MSD II Rubric Review	Wed 5/15/13	Wed 5/15/13										
95		End of MSD II	Fri 5/17/13	Fri 5/17/13										

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