

ID	Task Name	Duration	Start	Finish	Predecessors	m Decem January Febru March April M											
						E	B	I	M	E	B	I	M	E	B	I	M
1	Week 1: Know the Customer & Your Team	4.63 days	Mon 12/1/08	Fri 12/5/08		▼											
2	Course Logistics	45 mins	Mon 12/1/08	Mon 12/1/08		Whole Team											
3	Project Background	30 mins	Mon 12/1/08	Mon 12/1/08		Whole Team											
4	Introductory Team Meeting: Project Planning	2 hrs	Wed 12/3/08	Wed 12/3/08	2,3	Whole Team											
5	1 Page Project Summary	2 hrs	Wed 12/3/08	Wed 12/3/08	4	Casey D											
6	Begin Research and Benchmarking	2 hrs	Wed 12/3/08	Wed 12/3/08	4	Arthur C											
7	Assist with Research	1 hr	Thu 12/4/08	Thu 12/4/08	4	Andrew T											
8	Create Schedule	1 hr	Thu 12/4/08	Thu 12/4/08	7	Andrew T											
9	Workshop 1 (12/5/08): Know the Customer & Your Team	0.63 days	Fri 12/5/08	Fri 12/5/08		▼											
10	Course Intro; Project Overview Presentation	1 hr	Fri 12/5/08	Fri 12/5/08		Whole Team											
11	Breakout Groups: Present Deliverables	2 hrs	Fri 12/5/08	Fri 12/5/08	10	Whole Team											
12	Break	1 hr	Fri 12/5/08	Fri 12/5/08	11	Whole Team											
13	Create Day's Summary	30 mins	Fri 12/5/08	Fri 12/5/08	12	Whole Team											
14	5-Minute Project Updates	30 mins	Fri 12/5/08	Fri 12/5/08	13	Whole Team											
15	Week 2	3 days	Wed 12/10/08	Fri 12/12/08		▼											
16	Update Customer needs and specs	2 days	Wed 12/10/08	Thu 12/11/08		Andrew T											
17	WBS and Team roles	1.5 hrs	Wed 12/10/08	Wed 12/10/08		Casey D											
18	Workshop 2 (12/12/08):	1 day	Fri 12/12/08	Fri 12/12/08		▼											
19	Breakout Groups: Specs and Concept Generation	3 hrs	Fri 12/12/08	Fri 12/12/08		Whole Team											
20	Break	1 hr	Fri 12/12/08	Fri 12/12/08	19	Whole Team											
21	Start Concept Generation	3 hrs	Fri 12/12/08	Fri 12/12/08	20	Whole Team											
22	Create Day's Summary	30 mins	Fri 12/12/08	Fri 12/12/08	21	Whole Team											
23	5-Minute Project Updates	30 mins	Fri 12/12/08	Fri 12/12/08	22	Whole Team											
24	Week 3	10 days	Mon 12/15/08	Fri 12/26/08		▼											
25	Develop Concepts	10 days	Mon 12/15/08	Fri 12/26/08		External Tasks											
26	Develop possible solutions to Control Systems needs	10 days	Mon 12/15/08	Fri 12/26/08		External Milestone											
27	Concept development	8 days	Mon 12/15/08	Wed 12/24/08		External Milestone											
28	Reference Controls professor for help	2 days	Mon 12/15/08	Tue 12/16/08		External Milestone											
29	Potentially implement parts of previous generation's controls	2 days	Thu 12/25/08	Fri 12/26/08	27	External Milestone											
30	Workshop 3:	0.88 days	Fri 12/19/08	Fri 12/19/08		▼											
31	Concept Selection	3 hrs	Fri 12/19/08	Fri 12/19/08		External Milestone											
32	Break/Continue Work	3 hrs	Fri 12/19/08	Fri 12/19/08	31	External Milestone											
33	Create Day's Summary	30 mins	Fri 12/19/08	Fri 12/19/08	32	External Milestone											
34	5-Minute Project Updates	30 mins	Fri 12/19/08	Fri 12/19/08	33	External Milestone											

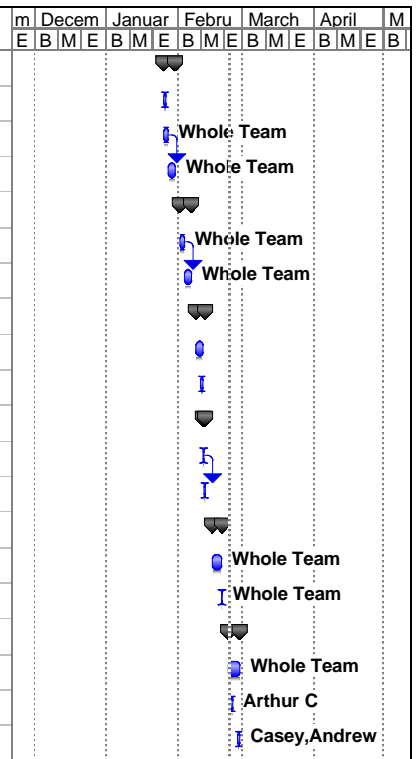
Project: Project Schedule (Gantt Chart) Date: Mon 2/23/09	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

ID	Task Name	Duration	Start	Finish	Predecessors	Gantt Chart																	
						m	Decem	January	Febru	March	April	M	E	B	M	E	B	M	E	B	M	E	B
35	Week 4	6 days?	Mon 1/5/09	Mon 1/12/09																			
36	Initial designs	6 days	Mon 1/5/09	Mon 1/12/09																			
37	Find air muscle components	1 day	Mon 1/5/09	Mon 1/5/09																			
38	Find parts already available	2 days	Mon 1/5/09	Tue 1/6/09																			
39	Sketches of developed concepts implemented	5 days	Mon 1/5/09	Fri 1/9/09																			
40	Familiarization with LabView	6 days	Mon 1/5/09	Mon 1/12/09																			
41	Receive Tutorial from Colleague (Also member of second generation project)	3 days	Mon 1/5/09	Wed 1/7/09	29																		
42	Implement Sample Files	3 days	Thu 1/8/09	Mon 1/12/09	41																		
43	System level design	1 day?	Mon 1/5/09	Mon 1/5/09																			
44	Engineering analysis	1 day?	Mon 1/5/09	Mon 1/5/09																			
45	Risk analysis	1 day?	Mon 1/5/09	Mon 1/5/09																			
46	Workshop 4	0.75 days	Fri 1/9/09	Fri 1/9/09																			
47	Design progress reports	2.5 hrs	Fri 1/9/09	Fri 1/9/09																			
48	Break/Continue Work	2.5 hrs	Fri 1/9/09	Fri 1/9/09	47																		
49	Seminar on design reviews	1 hr	Fri 1/9/09	Fri 1/9/09	48																		
50	Week 5	6 days?	Mon 1/12/09	Mon 1/19/09																			
51	System level design review	1 day?	Mon 1/12/09	Mon 1/12/09																			
52	SolidWorks Model	6 days	Mon 1/12/09	Mon 1/19/09																			
53	Make each part	3 days	Mon 1/12/09	Wed 1/14/09																			
54	Create part assemblies	3 days	Thu 1/15/09	Mon 1/19/09	53																		
55	Import other team's parts	2 days	Mon 1/12/09	Tue 1/13/09																			
56	Develop LabVIEW Model using Derived Control System	5 days	Tue 1/13/09	Mon 1/19/09	42																		
57	Workshop 5	1 day	Fri 1/16/09	Fri 1/16/09																			
58	System level design reviews	3 hrs	Fri 1/16/09	Fri 1/16/09																			
59	Continue Work	5 hrs	Fri 1/16/09	Fri 1/16/09	58																		
60	Week 6	5 days?	Mon 1/19/09	Fri 1/23/09																			
61	Detailed design progress report	1 day?	Mon 1/19/09	Mon 1/19/09																			
62	Develop LabVIEW Model using Derived Control System	5 days	Mon 1/19/09	Fri 1/23/09																			
63	High Fidelity Model	1 day?	Mon 1/19/09	Mon 1/19/09																			
64	Add material properties to the model	1 day?	Mon 1/19/09	Mon 1/19/09																			
65	Add boundary conditions to the model	1 day?	Mon 1/19/09	Mon 1/19/09																			
66	Workshop 6	1 day	Fri 1/23/09	Fri 1/23/09																			
67	Detailed design progress reports	3 hrs	Fri 1/23/09	Fri 1/23/09																			
68	Continue Work	5 hrs	Fri 1/23/09	Fri 1/23/09	67																		

Project: Project Schedule (Gantt Chart)
Date: Mon 2/23/09

Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	

ID	Task Name	Duration	Start	Finish	Predecessors	m Decem January Febru March April M													
						E	B	M	E	B	M	E	B	M	E	B			
69	Week 7	5 days?	Mon 1/26/09	Fri 1/30/09															
70	Detailed design progress reports	1 day?	Mon 1/26/09	Mon 1/26/09															
71	Learn to use Mechatronics Toolkit	2 days	Mon 1/26/09	Tue 1/27/09															
72	Basic Implementation of Toolkit	3 days	Wed 1/28/09	Fri 1/30/09	71														
73	Week 8	5 days	Mon 2/2/09	Fri 2/6/09															
74	Basic Implementation of Toolkit	2 days	Mon 2/2/09	Tue 2/3/09															
75	Attempt to Implement Toolkit	3 days	Wed 2/4/09	Fri 2/6/09	74														
76	Week 9	4 days	Mon 2/9/09	Thu 2/12/09															
77	Attempt to Implement Toolkit	3 days	Mon 2/9/09	Wed 2/11/09															
78	Prepare for Detailed Design Review	1 day	Wed 2/11/09	Wed 2/11/09															
79	Workshop 9	1 day	Thu 2/12/09	Thu 2/12/09															
80	Detailed Design reviews	3 hrs	Thu 2/12/09	Thu 2/12/09															
81	Continue Work	5 hrs	Thu 2/12/09	Thu 2/12/09	80														
82	Week 10	4.06 days	Mon 2/16/09	Fri 2/20/09															
83	Prepeare for presentation	4 days	Mon 2/16/09	Thu 2/19/09															
84	Project Management Presentation	30 mins	Fri 2/20/09	Fri 2/20/09															
85	Week11	5 days?	Mon 2/23/09	Fri 2/27/09															
86	Finalize documentation	5 days	Mon 2/23/09	Fri 2/27/09															
87	Design controls for simple joints	1 day	Tue 2/24/09	Tue 2/24/09															
88	Begin Designs for Test Stand	1 day?	Fri 2/27/09	Fri 2/27/09															



Project: Project Schedule (Gantt Chart) Date: Mon 2/23/09	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	