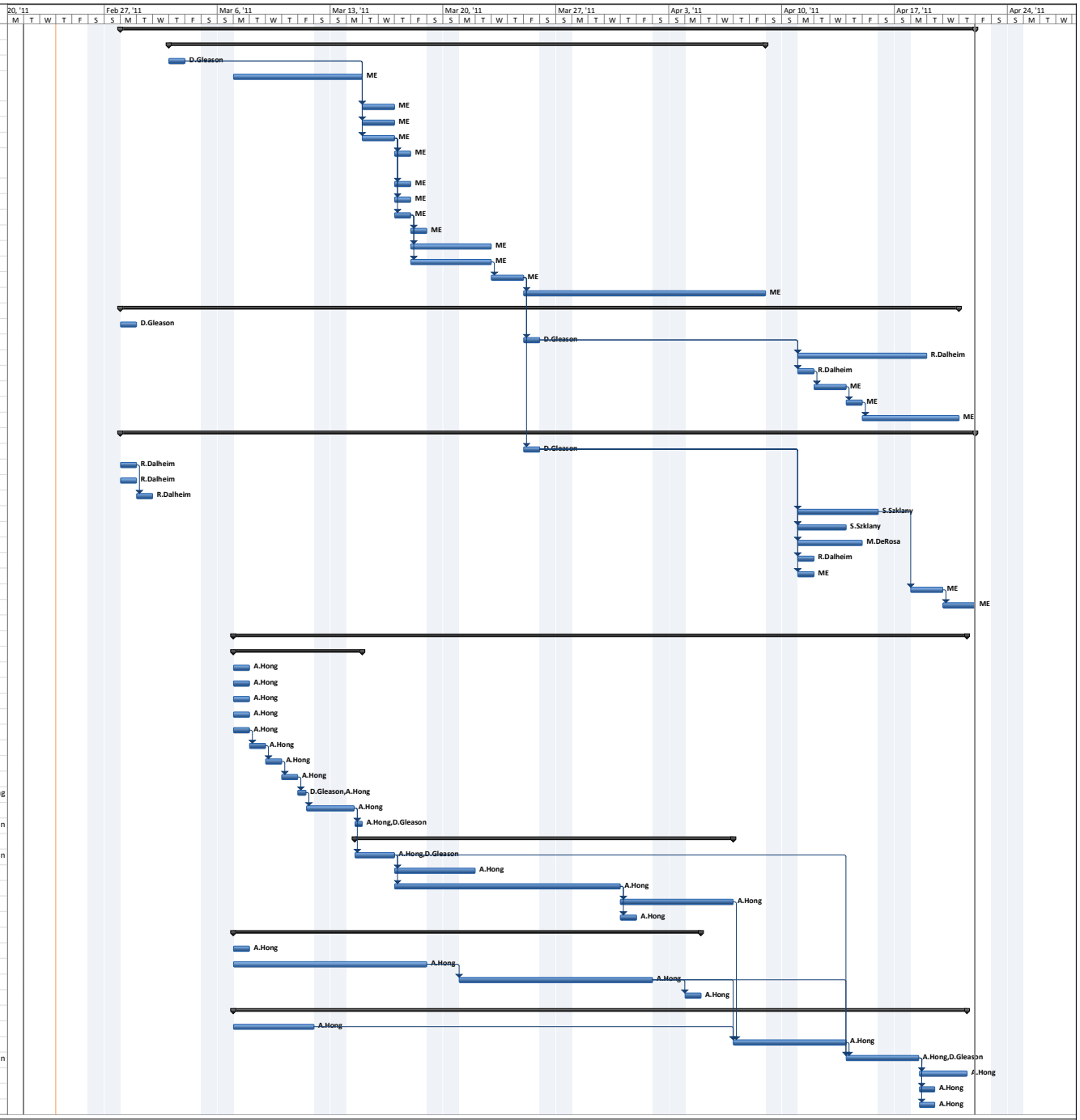
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		**ME Project Plan**	**39 days?**	**Mon 2/28/11**	**Thu 4/21/11**		
2		**Resin Application**	**27 days?**	**Thu 3/3/11**	**Fri 4/8/11**		
3		Purchase Materials	1 day	Thu 3/3/11	Thu 3/3/11		D.Gleason
4		Preliminary Testing (curing, spreading,etc)	6 days	Mon 3/7/11	Mon 3/14/11		ME
5		Fabricate Resin Cartridge Mounts	2 days	Tue 3/15/11	Wed 3/16/11	3FS+7 days	ME
6		Fabricate Resin Cartridge	2 days	Tue 3/15/11	Wed 3/16/11	3FS+7 days	ME
7		Fabricate Resin Plunger Asm	2 days	Tue 3/15/11	Wed 3/16/11	3FS+7 days	ME
8		Fabricate Mounts for plunger motor	1 day	Thu 3/17/11	Thu 3/17/11	7	ME
9		Fabricate Doctor Blade	1 day	Thu 3/17/11	Thu 3/17/11	7	ME
10		Fabricate Mounts for Doctor Blade	1 day	Thu 3/17/11	Thu 3/17/11	7	ME
11		Fabricate Catch bin	1 day	Thu 3/17/11	Thu 3/17/11	7	ME
12		Fabricate Scraper mount	1 day?	Fri 3/18/11	Fri 3/18/11	11	ME
13		Fabricate baseplate for Resin App	3 days	Fri 3/18/11	Tue 3/22/11	11	ME
14		Fabricate Curing carriage	3 days	Fri 3/18/11	Tue 3/22/11	11	ME
15		Assemble components	2 days	Wed 3/23/11	Thu 3/24/11	14	ME
16		Test/Revisions	11 days	Fri 3/25/11	Fri 4/8/11	15	ME
17		**Build Platform**	**38 days?**	**Mon 2/28/11**	**Wed 4/20/11**		
18		Obtain Dimension build platform	1 day	Mon 2/28/11	Mon 2/28/11		D.Gleason
19		Purchase Materials	1 day?	Fri 3/25/11	Fri 3/25/11	15	D.Gleason
20		Fabricate Build Carriage	6 days	Mon 4/11/11	Mon 4/18/11	19FS+10 days	R.Dalheim
21		Fabricate Build Carriage Mounts	1 day	Mon 4/11/11	Mon 4/11/11	19FS+10 days	R.Dalheim
22		Assemble components	2 days	Tue 4/12/11	Wed 4/13/11	21	ME
23		Install Limit Switches	1 day	Thu 4/14/11	Thu 4/14/11	22	ME
24		Test/Revisions	4 days	Fri 4/15/11	Wed 4/20/11	23	ME
25		**Enclosure Structure**	**39 days**	**Mon 2/28/11**	**Thu 4/21/11**		
26		Purchase materials	1 day	Fri 3/25/11	Fri 3/25/11	15	D.Gleason
27		Obtain 8020 Rails	1 day	Mon 2/28/11	Mon 2/28/11		R.Dalheim
28		Obtain 8020 Rail Hardware	1 day	Mon 2/28/11	Mon 2/28/11		R.Dalheim
29		Cut 8020 to size	1 day	Tue 3/1/11	Tue 3/1/11	27	R.Dalheim
30		Fabricate DLP Mount	5 days	Mon 4/11/11	Fri 4/15/11	26FS+10 days	S.Szklany
31		Fabricate Baseplate	3 days	Mon 4/11/11	Wed 4/13/11	26FS+10 days	S.Szklany
32		Fabricate Doors	4 days	Mon 4/11/11	Thu 4/14/11	26FS+10 days	M.DeRosa
33		Fabricate Louvers	1 day	Mon 4/11/11	Mon 4/11/11	26FS+10 days	R.Dalheim
34		Wire Ventilation Fans	1 day	Mon 4/11/11	Mon 4/11/11	26FS+10 days	ME
35		Assemble components	2 days	Mon 4/18/11	Tue 4/19/11	30	ME
36		Test/Revisions	2 days	Wed 4/20/11	Thu 4/21/11	35	ME
37							
38		**CE Project Plan**	**33.5 days**	**Mon 3/7/11**	**Thu 4/21/11**		
39		**Motor Control**	**6 days**	**Mon 3/7/11**	**Mon 3/14/11**		
40		Connect motors to driver	1 day	Mon 3/7/11	Mon 3/7/11		A.Hong
41		Connect driver to breakout	1 day	Mon 3/7/11	Mon 3/7/11		A.Hong
42		Connect emergency stop	1 day	Mon 3/7/11	Mon 3/7/11		A.Hong
43		Connect limit switches	1 day	Mon 3/7/11	Mon 3/7/11		A.Hong
44		Connect power supply	1 day	Mon 3/7/11	Mon 3/7/11		A.Hong
45		Mount components to surf	1 day	Tue 3/8/11	Tue 3/8/11	44	A.Hong
46		Adjust motor current	1 day	Wed 3/9/11	Wed 3/9/11	45	A.Hong
47		Measure voltages	1 day	Thu 3/10/11	Thu 3/10/11	46	A.Hong
48		Test motor movement	0.5 days	Fri 3/11/11	Fri 3/11/11	47	D.Gleason,A.Hong
49		Connect breakout to PC	1 day	Fri 3/11/11	Mon 3/14/11	48	A.Hong
50		Document results	0.5 days	Mon 3/14/11	Mon 3/14/11	49	A.Hong,D.Gleason
51		**Mach3**	**17.5 days**	**Mon 3/14/11**	**Wed 4/6/11**		
52		Test motor control	2.5 days	Mon 3/14/11	Wed 3/16/11	49	A.Hong,D.Gleason
53		Calibrate motors	3 days	Thu 3/17/11	Mon 3/21/11	52	A.Hong
54		Write scripts for each move	10 days	Thu 3/17/11	Wed 3/30/11	52	A.Hong
55		Test results and modify as r	5 days	Thu 3/31/11	Wed 4/6/11	54	A.Hong
56		Document code and manua	1 day	Thu 3/31/11	Thu 3/31/11	54	A.Hong
57		**Solidworks**	**21 days**	**Mon 3/7/11**	**Mon 4/4/11**		
58		Create sample CAD model	1 day	Mon 3/7/11	Mon 3/7/11		A.Hong
59		Write macro to slice model	10 days	Mon 3/7/11	Fri 3/18/11		A.Hong
60		Test results and modify as r	10 days	Mon 3/21/11	Fri 4/1/11	59	A.Hong
61		Document code and manua	1 day	Mon 4/4/11	Mon 4/4/11	60	A.Hong
62		**User Interface**	**33.5 days**	**Mon 3/7/11**	**Thu 4/21/11**		
63		Build GUI	5 days	Mon 3/7/11	Fri 3/11/11		A.Hong
64		Assign functions to each bu	5 days	Thu 4/7/11	Wed 4/13/11	55,60,63	A.Hong
65		Test each button	2.5 days	Thu 4/14/11	Mon 4/18/11	52,60,64	A.Hong,D.Gleason
66		Measure statistic accuracy	3 days	Mon 4/18/11	Thu 4/21/11	65	A.Hong
67		Document code and manua	1 day	Mon 4/18/11	Tue 4/19/11	65	A.Hong
68		Document Quick-start guid	1 day	Mon 4/18/11	Tue 4/19/11	65	A.Hong



Project: Det_design_MEplan
Date: Thu 2/24/11

Task | Split | Milestone | Summary | Project Summary | External Tasks | External Milestone | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | Deadline | Progress