

ID	Task Name	Duration	Start	Finish	Jan 2 '11	Jan 9 '11	Jan 16 '11	Jan 23 '11	Jan 30 '11	Feb 6 '11	Feb 13 '11	Feb 20 '11	Feb 27 '11	Mar 6 '11	Mar 13 '11	Mar 20 '11	Mar 27 '11	Apr 3 '11	Apr 10 '11	Apr 17 '11	Apr 24 '11	May 1 '11	May 8 '11		
1	Decide on project	1 day	Mon 7/12/10	Mon 7/12/10	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F
2	Find group	4 wks	Mon 7/12/10	Fri 8/6/10																					
3	Seek sponsor or mentor	8 wks	Mon 8/9/10	Fri 10/1/10																					
4	Submit proposal	5 days	Mon 9/13/10	Fri 9/17/10																					
5	Determine guidelines for project	2 wks	Mon 9/13/10	Fri 9/24/10																					
6	Research	165 days?	Mon 9/20/10	Fri 5/6/11																					
7	Design	165 days?	Mon 9/20/10	Fri 5/6/11																					
8	PPFS Draft	41 days?	Mon 9/20/10	Mon 11/15/10																					
9	PPFS Revision	10 days?	Tue 11/16/10	Mon 11/29/10																					
10	Project Poster	5 days	Mon 9/27/10	Fri 10/1/10																					
11	Preliminary Budget	5 days	Mon 9/27/10	Fri 10/1/10																					
12	Preliminary Project Presentation	5 days	Thu 9/30/10	Wed 10/6/10																					
13	(NP) Resume Revisions Due	1 day	Mon 10/4/10	Mon 10/4/10																					
14	PPFS ToC	4 days?	Thu 9/30/10	Tue 10/5/10																					
15	WBS (No scheduling)	7 days?	Thu 9/30/10	Fri 10/8/10																					
16	WBS (With scheduling)	6 days?	Mon 10/11/10	Mon 10/18/10																					
17	Team Devotions!	1 day?	Wed 10/13/10	Wed 10/13/10																					
18	Project Brief to Industrial Consultant	5 days	Thu 10/14/10	Wed 10/20/10																					
19																									
20	Meet with Others	7 days?	Mon 10/18/10	Tue 10/26/10																					
21	a) Description of the Problem	5 days?	Mon 10/18/10	Sun 10/24/10																					
22	b) Objectives and Constraints	5 days?	Mon 10/18/10	Sun 10/24/10																					
23	c) Determine Retail Target Price	11 days?	Mon 10/18/10	Mon 11/1/10																					
24	Define Project Scope and Functionality	9 days?	Wed 10/27/10	Mon 11/8/10																					
25	a) Brainstorm Functionality and Arch.	1 day?	Mon 7/12/10	Mon 7/12/10																					
26	b) Determine alternative solutions	1 day?	Mon 7/12/10	Mon 7/12/10																					
27	c) Create design matrices	1 day?	Mon 7/12/10	Mon 7/12/10																					
28	d) Perform trade studies	1 day?	Mon 7/12/10	Mon 7/12/10																					
29	e) Determine how solution is unique	1 day?	Mon 7/12/10	Mon 7/12/10																					
30	f) Meet and discuss with experts and clients	1 day?	Mon 7/12/10	Mon 7/12/10																					
31	Implement Chosen Design	1 day?	Mon 7/12/10	Mon 7/12/10																					
32	a) Implement total-system power monitoring	85 days?	Mon 10/18/10	Sat 2/12/11																					
33	a.i) Power efficiency analysis	1 day?	Mon 7/12/10	Mon 7/12/10																					
34	a.ii) Cost analysis	1 day?	Mon 7/12/10	Mon 7/12/10																					
35	a.iii) Prototype total-system power monitor	1 day?	Mon 7/12/10	Mon 7/12/10																					
36	a.iv) Write verification and test plan	1 day?	Mon 7/12/10	Mon 7/12/10																					
37	a.v) Functionality test	1 day?	Mon 7/12/10	Mon 7/12/10																					
38	a.vi) Long-term functionality test	1 day?	Mon 7/12/10	Mon 7/12/10																					
39	a.vii) Revise design based on test results	1 day?	Mon 7/12/10	Mon 7/12/10																					
40	b) Implement circuit-by-circuit monitoring	32 days?	Mon 10/18/10	Tue 11/30/10																					
41	b.i) Power efficiency analysis	11 days?	Mon 10/18/10	Mon 11/1/10																					
42	b.ii) Cost analysis	11 days?	Mon 10/18/10	Mon 11/1/10																					
43	b.iii) Prototype units	14 days?	Tue 11/2/10	Sat 11/20/10																					
44	b.iv) Write verification and test plan	14 days?	Tue 11/2/10	Sat 11/20/10																					
45	b.v) Functionality test	5 days?	Mon 11/22/10	Fri 11/26/10																					
46	b.vi) Long-term Functionality Test	5 days?	Mon 11/22/10	Fri 11/26/10																					
47	b.vii) Revise based on test results	3 days	Mon 11/29/10	Wed 12/1/10																					
48	c) Implement base-station	34 days?	Tue 2/1/11	Fri 3/18/11																					
49	c.i) Cost analysis	1 day?	Mon 7/12/10	Mon 7/12/10																					
50	c.ii) Prototype HW/SW	1 day?	Mon 7/12/10	Mon 7/12/10																					
51	c.iii) Integrate HW/SW	1 day?	Mon 7/12/10	Mon 7/12/10																					
52	c.iv) Write verification and test plan	1 day?	Mon 7/12/10	Mon 7/12/10																					
53	c.v) Functionality test	1 day?	Mon 7/12/10	Mon 7/12/10																					
54	c.vi) Long-term functionality test	1 day?	Mon 7/12/10	Mon 7/12/10																					
55	c.vii) User interface test	1 day?	Mon 7/12/10	Mon 7/12/10																					
56	c.viii) Revise design based on test results	1 day?	Mon 7/12/10	Mon 7/12/10																					
57	Test subsystem interoperability	11 days?	Fri 4/1/11	Sat 4/16/11																					
58	a) Write testing and verification plan	1 day?	Mon 7/12/10	Mon 7/12/10																					
59	b) Test inter-system communication	1 day?	Mon 7/12/10	Mon 7/12/10																					
60	c) Functionality test	1 day?	Mon 7/12/10	Mon 7/12/10																					
61	d) Long-term functionality test	1 day?	Mon 7/12/10	Mon 7/12/10																					
62	Communicate Results	1 day?	Fri 5/13/11	Sun 5/15/11																					
63	a) Document Design Decisions (Written)	1 day?	Fri 5/13/11	Sun 5/15/11																					
64	b) Write PPFS	1 day?	Mon 7/12/10	Mon 7/12/10																					
65	c) Document results of testing (written)	1 day?	Mon 7/12/10	Mon 7/12/10																					
66	d) Create installation and use manual(s).	1 day?	Mon 7/12/10	Mon 7/12/10																					
67	e) Write a plan for further testing all systems	1 day?	Mon 7/12/10	Mon 7/12/10																					
68	f) Final project presentation	1 day?	Mon 7/12/10	Mon 7/12/10																					