ID	Task Name	% Complete	Duration	Start	Finish	ug '10		06 Sep '10			27 Sep '10	
						S	S	M	T	W	T	F
1	**Research**	**94%**	**33 days**	**Wed 01/09/10**	**Sun 17/10/10**							
2	CUDA technologies and development strategy	100%	15 days	Wed 01/09/10	Tue 21/09/10							
3	DSL DSM Technologies	100%	28 days	Thu 09/09/10	Sun 17/10/10							
4	Scientific Computing with Python	100%	7 days	Mon 13/09/10	Tue 21/09/10							
5	Genetic Programming with Python	50%	7 days	Tue 14/09/10	Wed 22/09/10							
6	**Initialisation**	**100%**	**16 days**	**Thu 16/09/10**	**Thu 07/10/10**							
7	Define Project Specification	100%	1 day	Thu 16/09/10	Thu 16/09/10							
8	Define Document Management System	100%	5 days	Thu 16/09/10	Wed 22/09/10							
9	Define Source / Issue Management System	100%	7 days	Wed 29/09/10	Thu 07/10/10							
10	**Framework Design**	**92%**	**46 days?**	**Mon 11/10/10**	**Mon 13/12/10**							
11	Develop and Implement channel model framework	100%	21 days	Mon 11/10/10	Mon 08/11/10							
12	Develop in-framework implementations of current level 1 and level 2 DSM algorithms for later performance evaluation	100%	21 days?	Thu 04/11/10	Thu 02/12/10							
13	New Framework gives same answers as old	100%	0 days?	Thu 02/12/10	Thu 02/12/10							
14	Specify Algorithm API wrt to framework	25%	7 days	Fri 03/12/10	Mon 13/12/10							
15	Specify benchmarking schema for algorithm comparison	100%	14 days?	Fri 12/11/10	Wed 01/12/10							
16	**Implementation**	**13%**	**30 days?**	**Tue 01/02/11**	**Mon 14/03/11**							
17	**Develop in-framework implementation of 'novel algorithm' and benchmark**	**13%**	**30 days**	**Tue 01/02/11**	**Mon 14/03/11**							
18	Generate basic algorithm	50%	7 days?	Tue 08/02/11	Wed 16/02/11							
19	Expand implementation to GPU	0%	7 days	Thu 17/02/11	Fri 25/02/11							
20	Profile and optimise iteratively with benchmarking	0%	14 days?	Wed 23/02/11	Mon 14/03/11							
21	**Develop in-framework implementation of GA and benchmark**	**13%**	**14 days?**	**Thu 17/02/11**	**Tue 08/03/11**							
22	Generate basic algorithm	25%	7 days?	Thu 17/02/11	Fri 25/02/11							
23	Profile and optimise iteratively with benchmarking	0%	7 days?	Mon 28/02/11	Tue 08/03/11							
24	**Comparison**	**0%**	**14 days**	**Thu 10/03/11**	**Tue 29/03/11**							

ID	Task Name	% Complete	Duration	Start	Finish	ug '10		06 Sep '10		27 Sep '10	
						S	S	M	T	W	T	F
25	Analysis of implementations wrt speed, practicality and optimality	0%	6 days	Thu 10/03/11	Thu 17/03/11						
26	Quantify improvement of new implementations	0%	6 days	Wed 16/03/11	Wed 23/03/11						
27	Compare and contrast structural changes	0%	6 days	Tue 22/03/11	Tue 29/03/11						
28	**Reporting**	**51%**	**106 days?**	**Mon 11/10/10**	**Mon 07/03/11**						
29	Interim Report	100%	7 days	Thu 03/02/11	Fri 11/02/11						
30	Interim Report Submission	100%	1 day?	Fri 11/02/11	Fri 11/02/11						
31	Introduction	100%	21 days	Mon 06/12/10	Mon 03/01/11						
32	Theory & Background	100%	28 days	Wed 15/12/10	Fri 21/01/11						
33	Software Documentation & Reviews	75%	28 days	Tue 04/01/11	Thu 10/02/11						
34	Hardware	75%	21 days	Mon 24/01/11	Mon 21/02/11						
35	Software Environment Features	50%	21 days	Wed 02/02/11	Wed 02/03/11						
36	Design Decisions/Design Diary	50%	105 days	Tue 19/10/10	Mon 14/03/11						
37	Design Heuristics used	25%	105 days	Tue 19/10/10	Mon 14/03/11						
38	End-system interface details	0%	21 days	Wed 23/02/11	Wed 23/03/11						

02/12

11/02
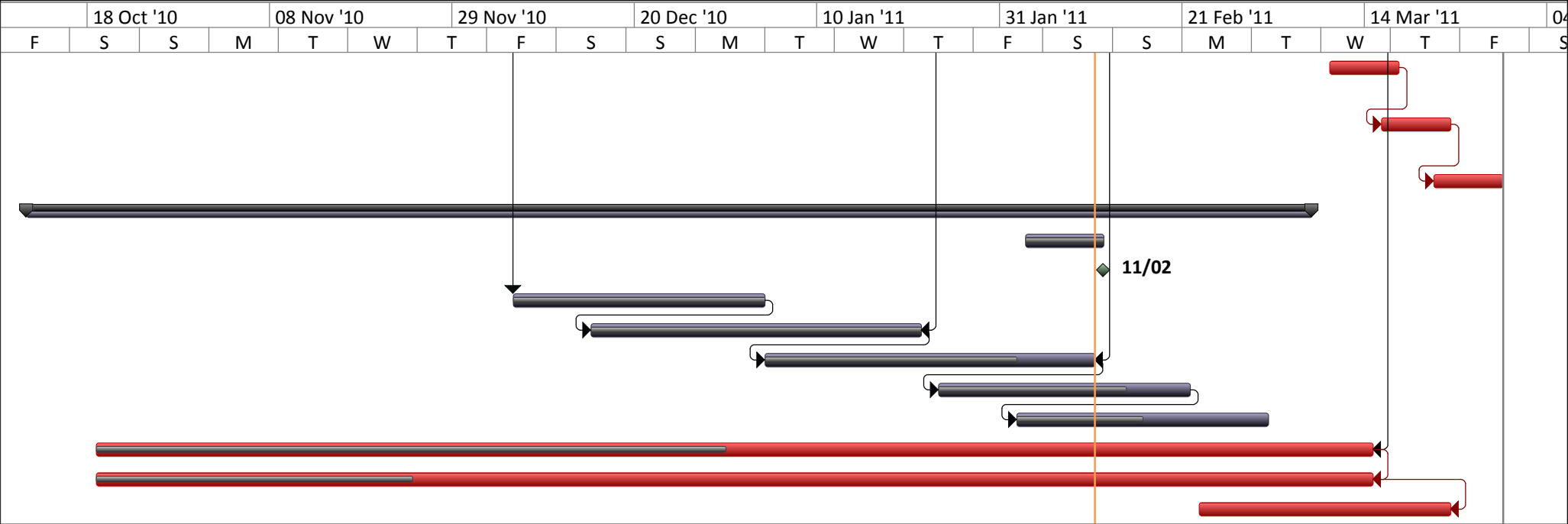
04 Apr '11		25 Apr '11		16 May '11		06 Jun '11		27 Jun '11		18 Jul '11		08 Aug '11		29 Aug '11		19 Sep '11
S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S