

































T15-PROJECT SCHEDULE

1|13

ID	Task Mode	Task Name	Duration	Start	Finish
1		1 Plan	106.38 days?	Mon 11/10/14	Tue 2/24/15
2		1.1 Teaming up and Meeting with Advisor	3.33 days	Mon 11/10/14	Thu 11/20/14
3		1.2 Understanding the project and its requirements	15.56 days	Mon 11/10/14	Wed 1/7/15
4		1.3 Meeting with sponsors	0.33 days	Thu 12/4/14	Thu 12/4/14
5		1.4 Reviewing the existing design and gathering info about the requirements	8.67 days	Fri 12/5/14	Thu 1/8/15
6		1.5 Meeting with sponsors	0.33 days?	Thu 1/8/15	Thu 1/8/15
7		1.6 Concept Generation and Evaluation	0.33 days?	Fri 1/9/15	Fri 1/9/15
8		1.7 Write up the preliminary project proposal	0.67 days	Sun 1/11/15	Tue 1/13/15
9		1.8 Review project proposal	1 day	Wed 1/14/15	Fri 1/16/15
10		1.9 Present Project Proposal	1 hr	Tue 2/24/15	Tue 2/24/15
11		1.10 Develop project requirement	47.38 days	Thu 1/8/15	Tue 2/24/15
12		1.10.1 Develop the general project requirement	3.67 days	Thu 1/8/15	Tue 1/20/15
13		1.10.2 Write up the detail project requirement	2 days	Sun 1/25/15	Wed 1/28/15
14		1.10.3 Review project requirement document	1 day	Mon 2/2/15	Tue 2/3/15
15		1.10.4 Gain Sponsor approval of requirements	0 days	Tue 2/24/15	Tue 2/24/15
16		2 Design	75.33 days?	Fri 1/9/15	Wed 3/25/15

















T15-PROJECT SCHEDULE

2|13

ID	Task Mode	Task Name	Duration	Start	Finish
17		2.1 Determine the necessary functional blocks	4.33 days	Fri 1/9/15	Fri 1/23/15
18		2.2 Review the block layout	0.33 days	Sun 1/25/15	Mon 1/26/15
19		2.3 Determine the design concept of each block: problem to solve and available technology	1.71 days	Sun 2/1/15	Fri 2/6/15
20		2.4 Write the test plan	2 days	Wed 2/4/15	Fri 2/6/15
21		2.5 Review the test plan	0.33 days	Fri 2/6/15	Sat 2/7/15
22		2.6 Design the preliminary circuitry	2.67 days	Mon 2/2/15	Wed 2/11/15
23		2.7 Review the circuit design	1 day	Thu 2/12/15	Sat 2/14/15
24		2.8 Generate the circuitry schematic and PCB layout on Eagle CAD	1.67 days	Mon 2/16/15	Fri 2/20/15
25		2.9 Review and revise preliminary design	0.33 days	Fri 2/20/15	Sat 2/21/15
26		2.10 Finalize the preliminary schematic and PCB design	2 days	Wed 3/11/15	Wed 3/18/15
27		2.11 Review the design with the sponsors	0.67 days?	Sat 3/21/15	Mon 3/23/15
28		2.12 Specify the component for the design	7 days?	Fri 2/6/15	Fri 2/27/15
29		2.13 Place order for the components	1 day?	Mon 3/23/15	Wed 3/25/15
30		3 Build	101.38 days?	Thu 1/15/15	Sun 4/26/15
31		3.1 User Interface	28.38 days?	Thu 3/19/15	Thu 4/16/15
32		3.1.1 Finalize configuration parameters	6.38 days?	Thu 3/19/15	Wed 3/25/15

















T15-PROJECT SCHEDULE

3|13

ID	Task Mode	Task Name	Duration	Start	Finish
33		3.1.2 Load sensor type definitions from file	4.38 days?	Wed 3/25/15	Sun 3/29/15
34		3.1.3 CSV	7.38 days?	Mon 3/30/15	Mon 4/6/15
35		3.1.3.1 write sensor -> CSV encoding	5.38 days?	Mon 3/30/15	Sat 4/4/15
36		3.1.3.2 write CSV -> sensor decoding	3.38 days?	Fri 4/3/15	Mon 4/6/15
37		3.1.4 Add filesystem functions	19.38 days	Sat 3/28/15	Thu 4/16/15
38		3.1.4.1 Save configurator	3.38 days?	Tue 4/7/15	Fri 4/10/15
39		3.1.4.2 Load configurator	3.38 days?	Tue 4/7/15	Fri 4/10/15
40		3.1.5 Add serial functionality	5.38 days?	Sat 4/11/15	Thu 4/16/15
41		3.2 Hack the serial IAP driver	10.38 days?	Thu 4/16/15	Sun 4/26/15
42		3.2.1 Add a menu option for downloading a configuration	2.38 days?	Thu 4/16/15	Sat 4/18/15
43		3.2.2 Implement functionality of downloading the configurator	2.38 days?	Sat 4/18/15	Mon 4/20/15
44		3.2.3 Parse the configurator into an array of sensor structs	2.38 days?	Tue 4/21/15	Thu 4/23/15
45		3.2.4 Save to flash	2.38 days?	Fri 4/24/15	Sun 4/26/15
46		3.3 Program the MCU	20.33 days?	Thu 1/15/15	Tue 4/7/15
47		3.4 Send the boards to fab	4 days?	Mon 3/23/15	Tue 4/7/15
48		4 Working on the poster	60.38 days?	Wed 4/1/15	Sun 5/31/15

















T15-PROJECT SCHEDULE

4|13

ID	Task Mode	Task Name	Duration	Start	Finish
49		5 Test	38.38 days?	Wed 4/8/15	Sat 5/16/15
50		5.1 Debug the codes	5 days?	Wed 4/8/15	Wed 4/22/15
51		5.2 Build the system on the PCB	1.67 days	Fri 4/10/15	Thu 4/16/15
52		5.3 Test the hardware	4.56 days	Fri 4/10/15	Fri 4/24/15
53		5.4 Test the Software	4.33 days?	Fri 4/10/15	Fri 4/24/15
54		5.5 Test the GUI	1.67 days?	Mon 4/27/15	Wed 4/29/15
55		5.6 Integration test	1.67 days?	Thu 4/30/15	Mon 5/4/15
56		5.7 Functionality test	1.67 days?	Tue 5/5/15	Thu 5/7/15
57		5.8 Design and build the device closure (box)	6.33 days	Fri 4/17/15	Sun 5/10/15
58		5.9 Perform the final test	17.96 days	Tue 4/28/15	Sat 5/16/15
59		6 Write the operation manual	5.46 days	Sun 11/9/14	Sat 11/15/14
60		7 Review the operation manual	3.17 days	Wed 5/13/15	Tue 5/26/15
61		8 Present	26.38 days	Sat 5/9/15	Thu 6/4/15
62		8.1 Complete the presentation documents (slides)	5.67 days	Sat 5/9/15	Fri 5/29/15
63		8.2 Review the presentation documents	0.33 days	Fri 5/29/15	Mon 6/1/15
64		8.3 Final presentation of the system	1.33 days	Mon 6/1/15	Thu 6/4/15
















T15-PROJECT SCHEDULE

5|13

ID	Task Mode	Task Name	Duration	Start	Finish
65		9 WPR	203.01 days	Thu 11/13/14	Thu 6/4/15
66		9.1 WPR 1	15 mins	Thu 11/13/14	Thu 11/13/14
67		9.2 WPR 2	15 mins	Thu 11/20/14	Thu 11/20/14
68		9.3 WPR 3	15 mins	Thu 11/27/14	Thu 11/27/14
69		9.4 WPR 4	15 mins	Thu 12/4/14	Thu 12/4/14
70		9.5 WPR 5	15 mins	Thu 12/11/14	Thu 12/11/14
71		9.6 WPR 6	15 mins	Thu 12/18/14	Thu 12/18/14
72		9.7 WPR 7	15 mins	Thu 12/25/14	Thu 12/25/14
73		9.8 WPR 8	15 mins	Thu 1/1/15	Thu 1/1/15
74		9.9 WPR 9	15 mins	Thu 1/8/15	Thu 1/8/15
75		9.10 WPR 10	15 mins	Thu 1/15/15	Thu 1/15/15
76		9.11 WPR 11	15 mins	Thu 1/22/15	Thu 1/22/15
77		9.12 WPR 12	15 mins	Thu 1/29/15	Thu 1/29/15
78		9.13 WPR 13	15 mins	Thu 2/5/15	Thu 2/5/15
79		9.14 WPR 14	15 mins	Thu 2/12/15	Thu 2/12/15
80		9.15 WPR 15	15 mins	Thu 2/19/15	Thu 2/19/15

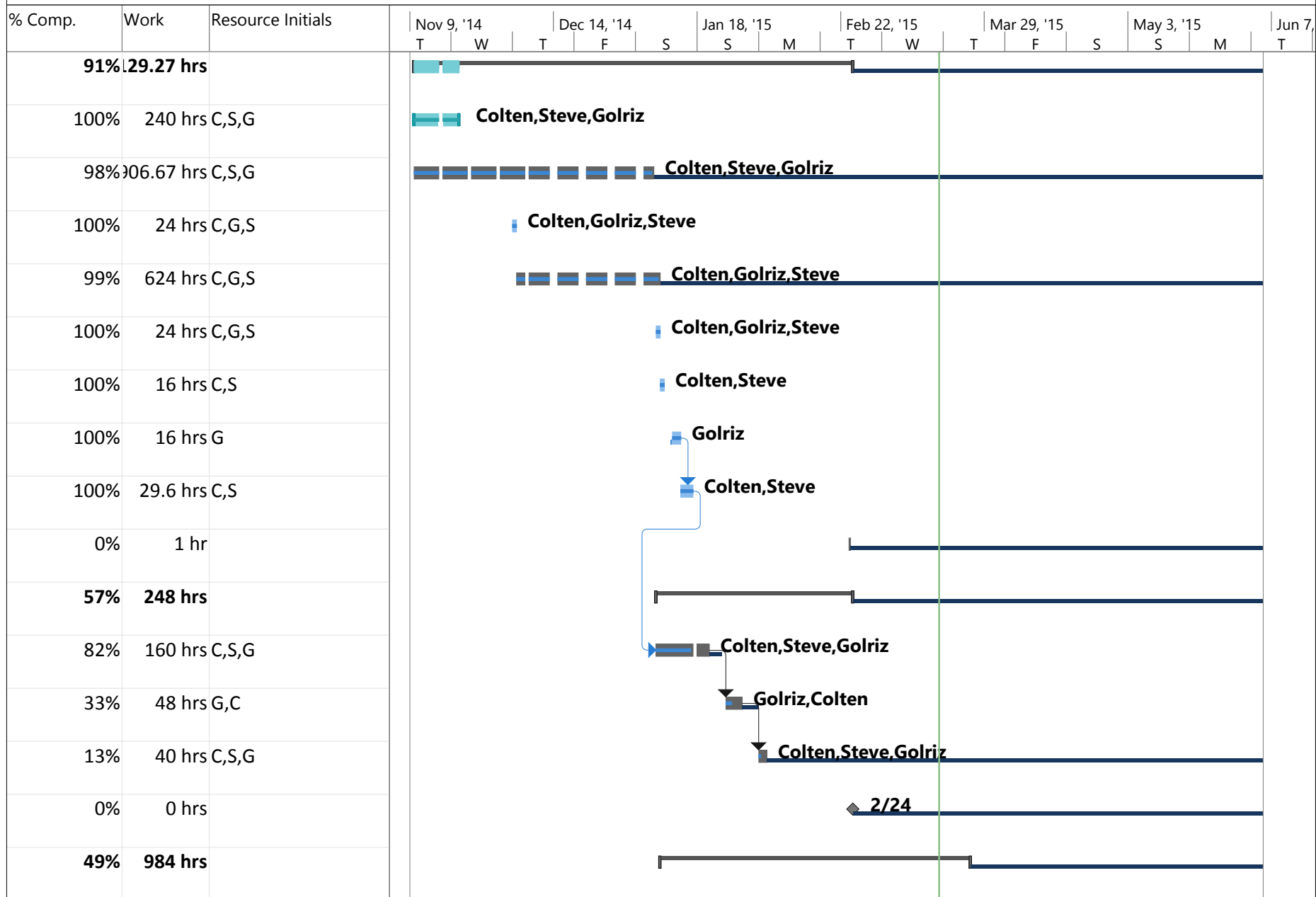
T15-PROJECT SCHEDULE

6|13

ID	Task Mode	Task Name	Duration	Start	Finish
81		9.16 WPR 16	15 mins	Thu 2/26/15	Thu 2/26/15
82		9.17 WPR 17	15 mins	Thu 3/5/15	Thu 3/5/15
83		9.18 WPR 18	15 mins	Thu 3/12/15	Thu 3/12/15
84		9.19 WPR 19	15 mins	Thu 3/19/15	Thu 3/19/15
85		9.20 WPR 20	15 mins	Thu 3/26/15	Thu 3/26/15
86		9.21 WPR 21	15 mins	Thu 4/2/15	Thu 4/2/15
87		9.22 WPR 22	15 mins	Thu 4/9/15	Thu 4/9/15
88		9.23 WPR 23	15 mins	Thu 4/16/15	Thu 4/16/15
89		9.24 WPR 24	15 mins	Thu 4/23/15	Thu 4/23/15
90		9.25 WPR 25	15 mins	Thu 4/30/15	Thu 4/30/15
91		9.26 WPR 26	15 mins	Thu 5/7/15	Thu 5/7/15
92		9.27 WPR 27	15 mins	Thu 5/14/15	Thu 5/14/15
93		9.28 WPR 28	15 mins	Thu 5/21/15	Thu 5/21/15
94		9.29 WPR 29	15 mins	Thu 5/28/15	Thu 5/28/15
95		9.30 WPR 30	15 mins	Thu 6/4/15	Thu 6/4/15

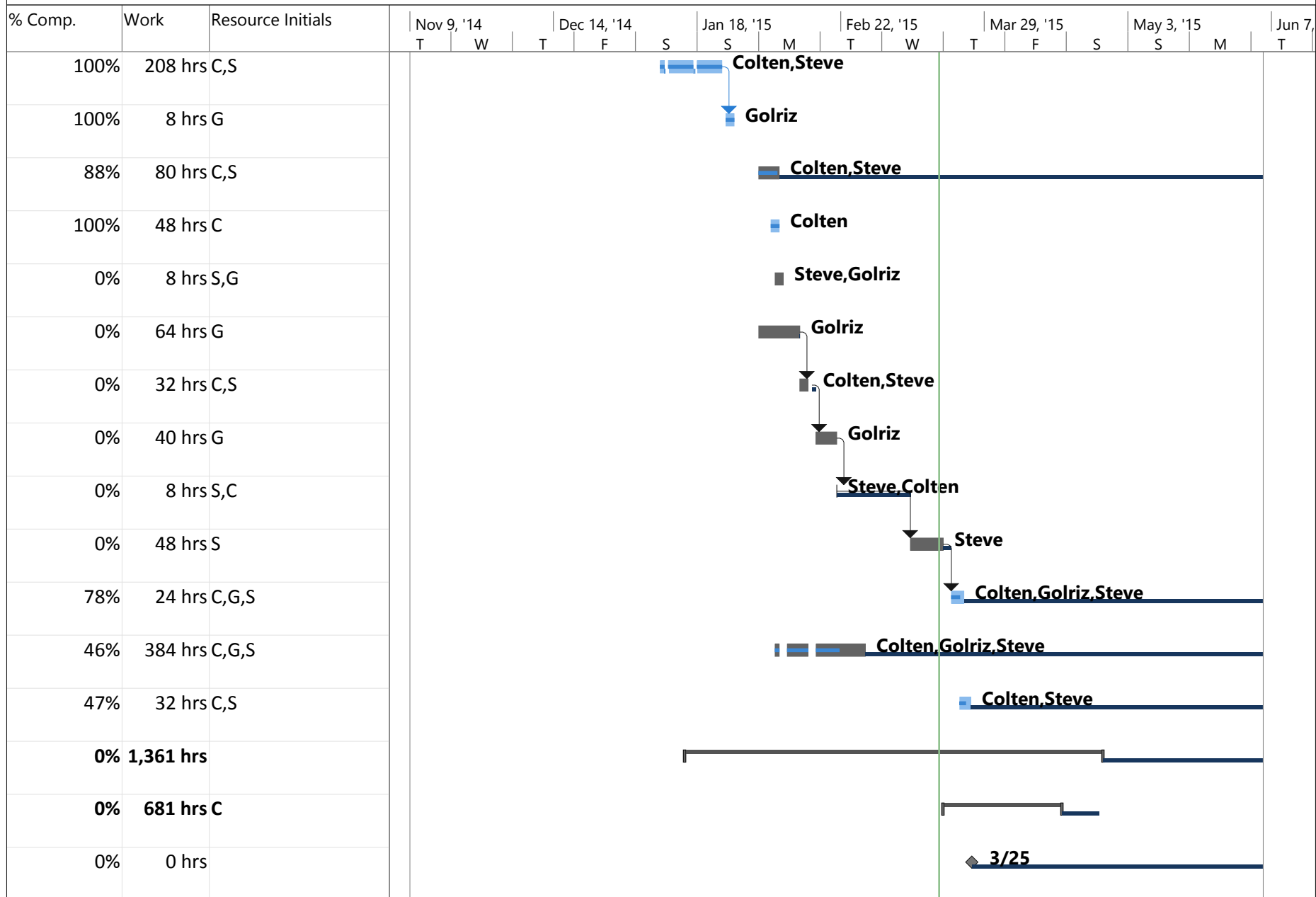
T15-PROJECT SCHEDULE

7/13



T15-PROJECT SCHEDULE

8|13



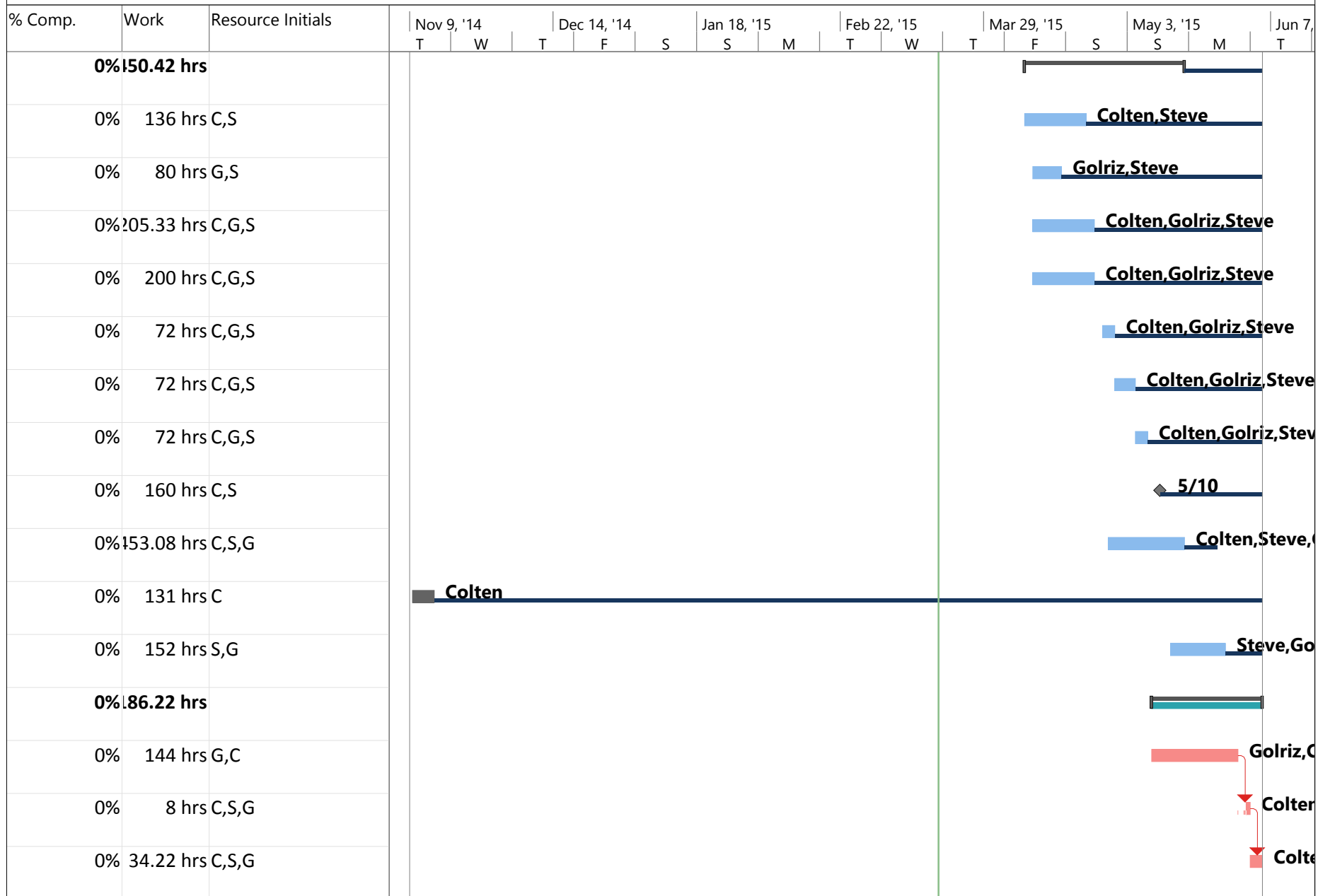
T15-PROJECT SCHEDULE

9/13

% Comp.	Work	Resource Initials	Nov 9, '14			Dec 14, '14			Jan 18, '15		Feb 22, '15		Mar 29, '15			May 3, '15		Jun 7
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T15-PROJECT SCHEDULE

10/13



T15-PROJECT SCHEDULE

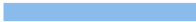




















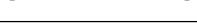
11|13

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T15-PROJECT SCHEDULE

12|13

% Comp.	Work	Resource Initials	Nov 9, '14 T	W	T	Dec 14, '14 F	S	Jan 18, '15 S	M	Feb 22, '15 T	W	T	Mar 29, '15 F	S	May 3, '15 S	M	Jun 7, '15 T
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Task		Manual Task		Deadline	
Split		Duration-only		Critical	
Milestone		Manual Summary Rollup		Critical Split	
Summary		Manual Summary		Late	
Project Summary		Start-only		Progress	
Inactive Task		Finish-only		Manual Progress	
Inactive Milestone		External Tasks		Slack	
Inactive Summary		External Milestone	