




















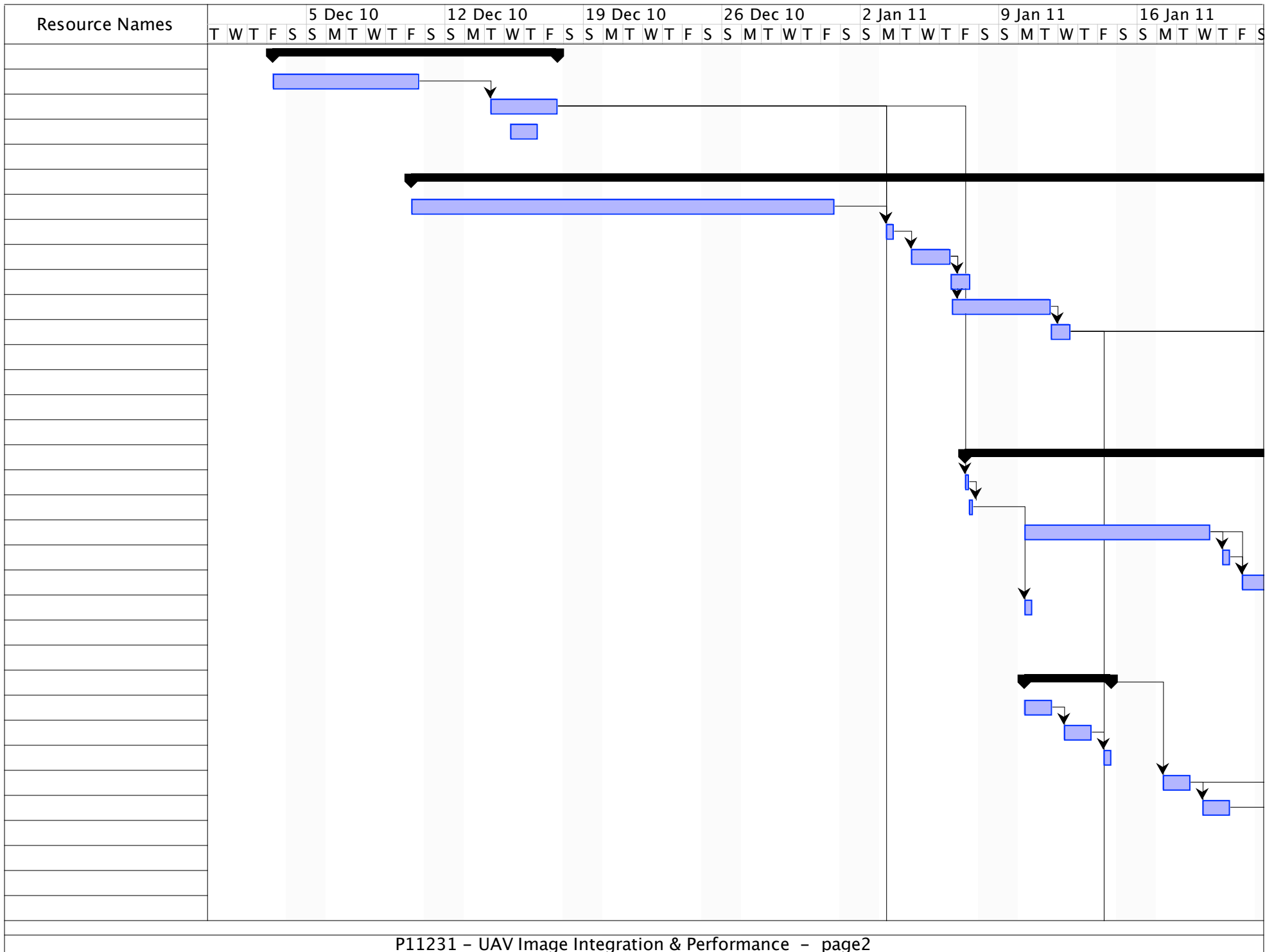
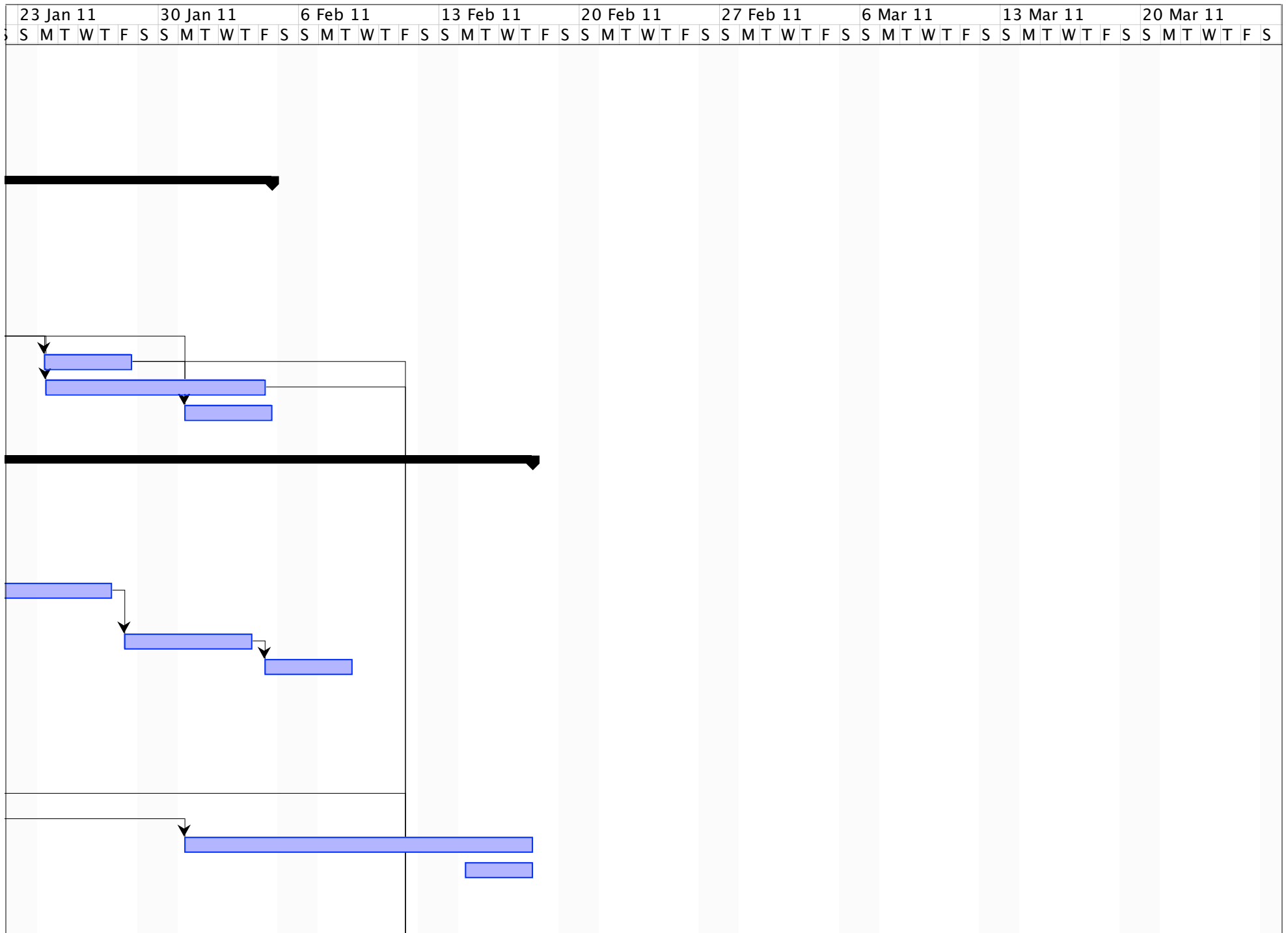








	Name	Duration	Start	Finish	Predecessors
1		<input type="checkbox"/> Initial Planning Phase	11 days?	12/3/10 8:00 AM	12/17/10 5:00 PM	
2		Identify customer needs	6 days?	12/3/10 8:00 AM	12/10/10 5:00 PM	
3		Identify engineering specs	4 days?	12/14/10 8:00 AM	12/17/10 5:00 PM	2
4		<input type="checkbox"/> Create Preliminary Project Plan	2 days?	12/15/10 8:00 AM	12/16/10 5:00 PM	
		Identify engineering specs				
5		<input type="checkbox"/> Aircraft Mathematical Model	41 days?	12/14/10 8:00 AM	2/4/11 5:00 PM	
6		Perform literature search	16 days?	12/10/10 8:00 AM	12/31/10 5:00 PM	
7		Generate list of concepts	1 day?	1/3/11 8:00 AM	1/3/11 5:00 PM	6;3
8		Figure out how to measur...	2 days?	1/4/11 2:00 PM	1/6/11 2:00 PM	7
9		Perform risk assessment	1 day?	1/6/11 2:00 PM	1/7/11 2:00 PM	8
10		Figure out how to measure parameters	3 days?...	1/6/11 4:00 PM	1/11/11 4:00 PM	8
11		Identify sensors required and mounting locat...	1 day?	1/11/11 4:00 PM	1/12/11 4:00 PM	10
12			5 days?	1/24/11 8:00 AM	1/28/11 5:00 PM	11
13		Design Testing Methods	9 days?	1/24/11 9:00 AM	2/4/11 9:00 AM	11
14		Analyze feasibility of generating mathematic...	5 days?	1/31/11 8:00 AM	2/4/11 5:00 PM	11;12
15		Controller	30 days?	1/7/11 8:00 AM	2/17/11 5:00 PM	
		Define interfaces with electrical team	0.5 days?	1/7/11 8:00 AM	1/7/11 1:00 PM	3
17			0.5 days	1/7/11 1:00 PM	1/7/11 5:00 PM	16
18		Redesign Sensor Board	8 days?	1/10/11 8:00 AM	1/19/11 5:00 PM	
19		Redesign Gumstick Board	1 day?	1/20/11 8:00 AM	1/20/11 5:00 PM	18
20			5 days?	1/21/11 8:00 AM	1/27/11 5:00 PM	18;19
21		Perform risk assessment	1 day?	1/10/11 8:00 AM	1/10/11 5:00 PM	17
22		Test individual boards	5 days?	1/28/11 8:00 AM	2/3/11 5:00 PM	20
23		Integrate and troubleshoot electronics	3 days?	2/4/11 8:00 AM	2/8/11 5:00 PM	22
24		<input type="checkbox"/> Create Detailed Package Design	5 days?	1/10/11 8:00 AM	1/14/11 5:00 PM	
25		Model in SolidWorks	2 days	1/10/11 8:00 AM	1/11/11 5:00 PM	
26		Draw mechanical prints	2 days?	1/12/11 8:00 AM	1/13/11 5:00 PM	25
27		Perform heat transfer analysis (if necessary)	1 day	1/14/11 8:00 AM	1/14/11 5:00 PM	26
28		Create mechanical bill of materials	2 days	1/17/11 8:00 AM	1/18/11 5:00 PM	24
29		Order materials for package construction	2 days	1/19/11 8:00 AM	1/20/11 5:00 PM	28
30		Machine parts (if necessary)	14 days	1/31/11 8:00 AM	2/17/11 5:00 PM	29
31		Assemble Controller	4 days?	2/14/11 8:00 AM	2/17/11 5:00 PM	





		Name	Duration	Start	Finish	Predecessors
32		<input type="checkbox"/> Imaging Integration	23 days?	1/3/11 8:00 AM	2/2/11 5:00 PM	
33		Generate list of concepts	1 day?	1/3/11 8:00 AM	1/3/11 5:00 PM	3
34		Choose conceptual design	1 day?	1/4/11 8:00 AM	1/4/11 5:00 PM	33
35		Perform risk assessment	1 day?	1/5/11 8:00 AM	1/5/11 5:00 PM	34
36		Define interfaces	2 days?	1/6/11 8:00 AM	1/7/11 5:00 PM	35
37		<input type="checkbox"/> Design custom hardware	9 days?	1/17/11 8:00 AM	1/27/11 5:00 PM	36
38		Model in SolidWorks	3 days?	1/17/11 8:00 AM	1/19/11 5:00 PM	
39		Draw mechanical prints	2 days?	1/24/11 8:00 AM	1/25/11 5:00 PM	38
40		Select COTS hardware for mounting	2 days?	1/26/11 8:00 AM	1/27/11 5:00 PM	39
41		Create bill of materials	1 day?	1/31/11 8:00 AM	1/31/11 5:00 PM	40
42		Order materials for construction	2 days?	2/1/11 8:00 AM	2/2/11 5:00 PM	41
43		Systems Level Design Review	1 day	1/14/11 8:00 AM	1/14/11 5:00 PM	11;36
44		Detailed Design Review	1 day	2/11/11 8:00 AM	2/11/11 5:00 PM	12;28;41;13
45		Project Review	1 day	2/25/11 8:00 AM	2/25/11 5:00 PM	

