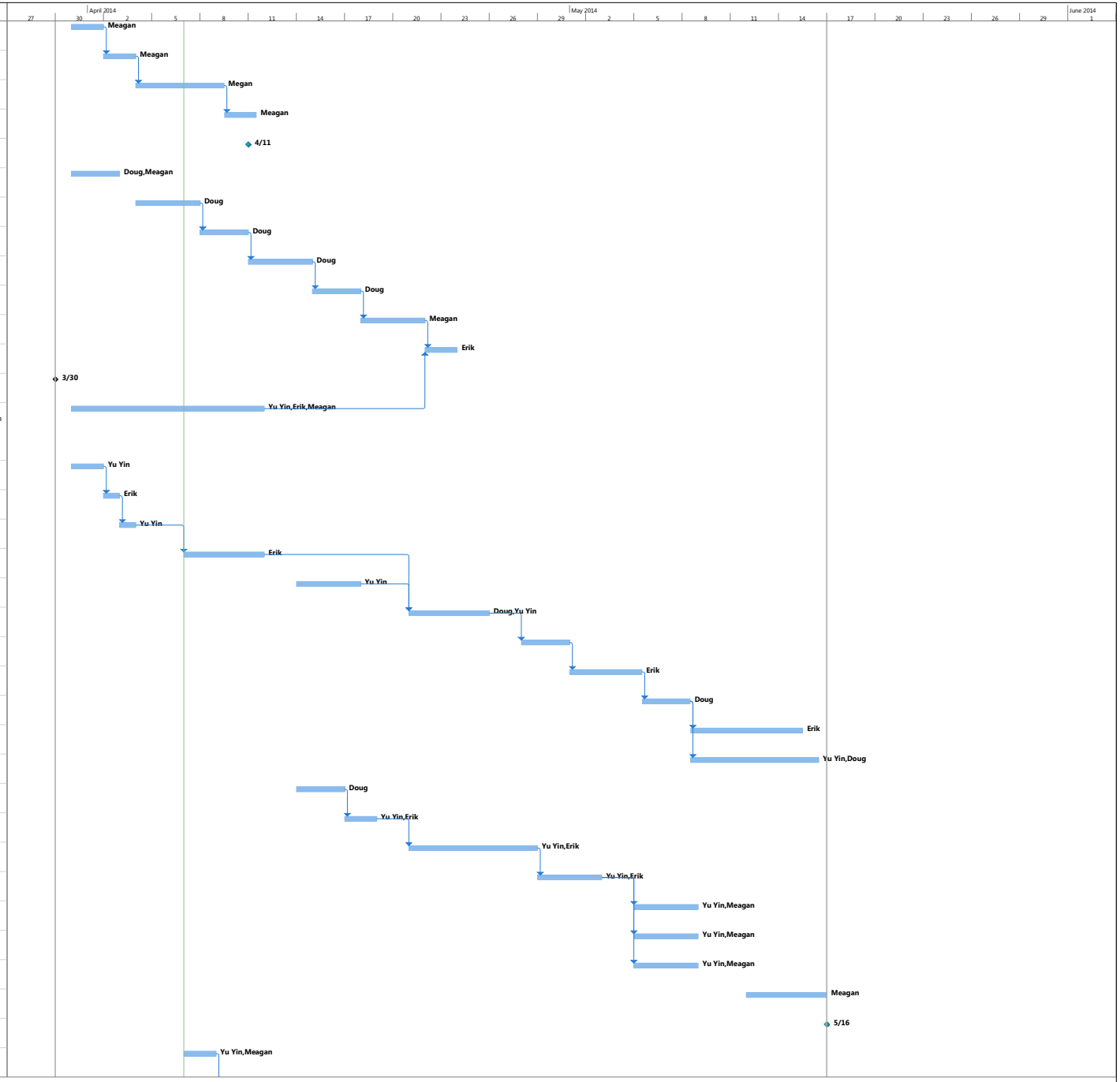
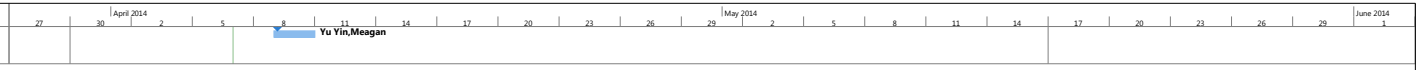
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		Build 1 quadcopter	2 days	Mon 3/31/14	Tue 4/1/14		Meagan
2		Create rotor protectio	2 days	Wed 4/2/14	Thu 4/3/14	1	Meagan
3		Connect Receiver/ Transmitter for manual Control	3.5 days	Fri 4/4/14	Wed 4/9/14	2	Megan
4		Create 2500 and Ardu	2 days	Wed 4/9/14	Fri 4/11/14	3	Meagan
5		Manual Solo Flight	0 days	Fri 4/11/14	Fri 4/11/14		
6		Plan and route power to all devices	3 days	Mon 3/31/14	Wed 4/2/14		Doug,Meagan
7		Spoof receiver for all movement commands	2 days	Fri 4/4/14	Mon 4/7/14		Doug
8		Replicate movement commands on Arduino	3 days	Tue 4/8/14	Thu 4/10/14	7	Doug
9		Interface Arduino Pro and Control board (signal levels)	2 days	Fri 4/11/14	Mon 4/14/14	8	Doug
10		Priority encounder for Arduino and Receiver	3 days	Tue 4/15/14	Thu 4/17/14	9	Doug
11		Fix Text to serial output for command node	2 days	Fri 4/18/14	Mon 4/21/14	10	Meagan
12		Write command node function to send out movement	2 days	Tue 4/22/14	Wed 4/23/14	11,14	Erik
13		Single Copter Autonor	0 days	Sun 3/30/14	Sun 3/30/14		
14		Deterime and write functions to assert stable PMWs for autocontrol e.g. move left, forward, right, back, up, and	10 days	Mon 3/31/14	Fri 4/11/14		Yu Yin,Erik,Meagan
15		UART between contro	2 days	Mon 3/31/14	Tue 4/1/14		Yu Yin
16		Read and store magnotometer data	1 day	Wed 4/2/14	Wed 4/2/14	15	Erik
17		Send magnotometer c	1 day	Thu 4/3/14	Thu 4/3/14	16	Yu Yin
18		Write PWM functions based off desired coordinates and	5 days	Mon 4/7/14	Fri 4/11/14	17	Erik
19		Interrupt based send/receive	4 days	Mon 4/14/14	Thu 4/17/14		Yu Yin
20		Improved network. Node addition and removal on the fly.	5 days	Mon 4/21/14	Fri 4/25/14	18,19	Doug,Yu Yin
21		Implement movement state, average reset and	3 days	Mon 4/28/14	Wed 4/30/14	20	
22		Network coordination for movement	2.5 days	Thu 5/1/14	Mon 5/5/14	21	Erik
23		New command node network reset	3 days	Mon 5/5/14	Thu 5/8/14	22	Doug
24		MDS in C local to slave	5 days	Thu 5/8/14	Thu 5/15/14	23	Erik
25		Create Start up sequence for entire copter network	6 days	Thu 5/8/14	Fri 5/16/14	23	Yu Yin,Doug
26		Interface ultrasonic sensor with control board or arduino pro	3 days	Mon 4/14/14	Wed 4/16/14		Doug
27		Create return function for ultrasonic sensor &	2 days	Thu 4/17/14	Fri 4/18/14	26	Yu Yin,Erik
28		Create PWMs based of ultrasonic values	6 days	Mon 4/21/14	Mon 4/28/14	27	Yu Yin,Erik
29		Emergencey procedure implemintation and	4 days	Tue 4/29/14	Fri 5/2/14	28	Yu Yin,Erik
30		Assert PWM for Take-	4 days	Mon 5/5/14	Thu 5/8/14	29	Yu Yin,Meagan
31		Assert PWM for hover	4 days	Mon 5/5/14	Thu 5/8/14	29	Yu Yin,Meagan
32		Assert PWM for Landi	4 days	Mon 5/5/14	Thu 5/8/14	29	Yu Yin,Meagan
33		Build remaining quadcopters	5 days	Mon 5/12/14	Fri 5/16/14		Meagan
34		Multicopter autonom	0 days	Fri 5/16/14	Fri 5/16/14		
35		Comprehensive node directionality test and data analysis	2 days	Mon 4/7/14	Tue 4/8/14		Yu Yin,Meagan



Project: SpringGantt.mpp

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

ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
36			Node Interference Test	2 days	Wed 4/9/14	Thu 4/10/14	35	Yu Yin,Meagan



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Split | Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | External Milestone | Progress