

Task Name	Group Member	Finish by Date/Due	Sep-15			Oct-15			Nov-15			Dec-15			Jan-16			Feb-16			Mar-16			Apr-16										
			1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16	23	1	8	15	22	29	5
Individual Behavior																																		
Research Kilobot Sensors	Jared	September 28, 2015	[Blue bar from Sep 15 to Sep 28]																															
Research Kilobot Communication Protocol	Jared	October 12, 2015	[Blue bar from Sep 15 to Oct 12]																															
Research Q-bot Image Processing	Ryan/Greg	October 5, 2015	[Blue bar from Sep 15 to Oct 5]																															
Research Q-bot Sensors	Ryan/Greg	September 28, 2015	[Blue bar from Sep 15 to Sep 28]																															
Research Q-bot Communication Protocol	Ryan/Greg	October 19, 2015	[Blue bar from Sep 15 to Oct 19]																															
Research E-puck Sensors	Brittany	October 26, 2015	[Blue bar from Sep 15 to Oct 26]																															
Research E-puck Communication Protocol	Brittany		[Red bar from Oct 13 to Oct 26]																															
Individual Communication																																		
Research/Test Kilobot - Kilobot	Jared	October 19, 2015	[Blue bar from Sep 15 to Oct 19]																															
Research/Test E-puck - E-puck	Brittany	December 14, 2015	[Red bar from Nov 10 to Dec 14]																															
Research/Test Qbot - Qbot	Ryan/Greg	November 2, 2015	[Blue bar from Sep 15 to Nov 2]																															
Integrated Communication																																		
Test Kilobot - E-puck	Jared/Brittany	December 14, 2015	[Red bar from Nov 10 to Dec 14]																															
Test Kilobot - Qbot	Jared/Ryan/Greg	November 16, 2015	[Red bar from Oct 13 to Nov 16]																															
Test E-puck - Qbot	Brittany/Ryan/Greg	December 14, 2015	[Red bar from Nov 10 to Dec 14]																															
Algorithm Design																																		
Design Linear Based Model	All	December 14, 2015	[Red bar from Nov 10 to Dec 14]																															
Integrated Behavior																																		
<i>Formation Control Behavior</i>																																		
Localization	All	January 25, 2016	[Red bar from Nov 10 to Jan 25]																															
Point Convergence	All	January 25, 2016	[Red bar from Nov 10 to Jan 25]																															
Leader Follower	All	January 25, 2016	[Red bar from Nov 10 to Jan 25]																															
<i>Flocking Behavior</i>																																		
Neighbor Repulsion	All	February 1, 2016	[Red bar from Nov 10 to Feb 1]																															
Endpoint Attraction	All	February 1, 2016	[Red bar from Nov 10 to Feb 1]																															
Heading	All	February 1, 2016	[Red bar from Nov 10 to Feb 1]																															
Testing																																		
Software Implementation	All	March 7, 2016	[Blue bar from Sep 15 to Mar 7]																															
Hardware Implementation	All	March 7, 2016	[Red bar from Sep 15 to Mar 7]																															
Deliverables																																		
Project Proposal - Oral Presentation	All	October 1, 2015	[Blue bar from Sep 15 to Oct 1]																															
Project Proposal - Document	All	October 15, 2015	[Blue bar from Sep 15 to Oct 15]																															
Webpage Release	All	October 28, 2015	[Blue bar from Sep 15 to Oct 28]																															
Fall Progress Presentation	All	November 19, 2015	[Blue bar from Sep 15 to Nov 19]																															
Fall Performance Evaluation	All	November 19, 2015	[Red bar from Oct 13 to Nov 19]																															
Fall Performance Review	All	December 3, 2015	[Red bar from Oct 13 to Dec 3]																															
Spring Progress Presentation	All	February 18, 2016	[Red bar from Jan 5 to Feb 18]																															
Student Expo Abstract	All	March 18, 2016	[Red bar from Feb 11 to Mar 18]																															
Project Demonstration	All	March 24, 2016	[Red bar from Feb 11 to Mar 24]																															
Final Presentation	All	April 7, 2016	[Red bar from Feb 11 to Apr 7]																															
Student Expo Poster Printing Deadline	All	April 11, 2016	[Red bar from Feb 11 to Apr 11]																															
Student Expo Poster Setup	All	April 12, 2016	[Red bar from Feb 11 to Apr 12]																															
Student Expo	All	April 14, 2016	[Red bar from Feb 11 to Apr 14]																															
Final Report (Draft)	All	April 14, 2016	[Red bar from Feb 11 to Apr 14]																															
Final Report	All	April 28, 2016	[Red bar from Feb 11 to Apr 28]																															
Final Web Page	All	April 28, 2016	[Red bar from Feb 11 to Apr 28]																															
Advisory Board Poster Printing Deadline	All	April 28, 2016	[Red bar from Feb 11 to Apr 28]																															
Advisory Board Poster Presentation	All	April 29, 2016	[Red bar from Feb 11 to Apr 29]																															

Complete In progress

Jared finished testing the Kilobot message transmitter he wrote for the atmega128 board. He is continuing work on how to receive messages from the Kilobots, and how to implement the communication on other platforms. Jared is also working on the early stages of creating an algorithm for formation with the Kilobots. He believes that using the team's edge following, gradient, and localization algorithms he can create this new algorithm. One of his first challenges presented by Dr. Wang is to get the Kilobots to form a straight line. Brittany is continuing work on the E-pucks communication protocol. She is about a week and half behind, where she wants to be, but putting in some extra hours should put her back on schedule within two weeks. The goal of the next couple of weeks is finish communication protocol and work on communicating with the Kilobots. Ryan and Greg are continuing work with Q-bot to Q-bot communication. The goal in the upcoming weeks is start the Kilobot to Q-bot communication, which would put the group back on track to finish the project.