Category	Role	Start Week	End Week	Owner	Details	Weeks Till End Date
Overview						
		9/28/2015	12/7/2015	Team	Final Presentation	10
		9/28/2015	11/23/2015	Team	Refined product for final presentation	8
		9/28/2015	11/9/2015	Team	Demonstrate basic functionality of design	6
Hardware						
	SMPS	9/28/2015	10/5/2015	David Wiest	Draw systems level design of switching mode power supply and general circuit layout.	1
	LED	9/28/2015	10/5/2015	John Stabenow	Specify light requirements and order LEDs to test.	1
	Microcontroller	9/28/2015	10/12/2015	Ryan Marion	Specify microcontroller to be used and hardware connections needed.	2
	Bluetooth	9/28/2015	10/12/2015	Mitchell Wheaton	Specify Bluetooth module to be used and hardware connections needed.	2
	LED	10/5/2015	10/19/2015	John Stabenow	Build integrating sphere or other testing method to measure Lumens.	3
	SMPS	10/5/2015	10/19/2015	David Wiest	Specify circuit components and experiment with circuit layout on breadboard.	3
	Bluetooth	10/12/2015	10/19/2015	Mitchell Wheaton, Ryan Marion	Determine hardware connections to microcontroller.	3
	SMPS	10/12/2015	10/19/2015	David Wiest	Verify circuit meets efficiency specifications and output ratings per NEC.	3
	LED	10/12/2015	10/19/2015	John Stabenow	Verify LEDs meet specifications.	3
	Microcontroller	10/12/2015	10/19/2015	Ryan Marion, Mitchell Wheaton	Design related hardware to be used on PCB and connect to Bluetooth.	3
	SMPS	10/19/2015	10/26/2015	David Wiest, Ryan Marion	Design PCB layout and integrate with microcontroller.	4
	LED	10/19/2015	10/26/2015	John Stabenow, David Wiest	Verify Operation of LEDs with SMPS and dimming.	4
	Microcontroller	10/19/2015	10/26/2015	Ryan Marion, David Wiest	Design PCB with SMPS and microcontroller.	4
	SMPS	10/26/2015	11/2/2015	David Wiest, Ryan Marion	Prototype light switch mounting enclosure for SMPS and microcontroller.	5
	LED	10/26/2015	11/2/2015	John Stabenow	Design PCB layout and verify NEC specifications are meet	5
	LED	10/26/2015	11/2/2015	John Stabenow	Prototype light bulb with LEDs and PCB.	5
	Microcontroller	10/26/2015	11/9/2015	Team	Verify operation of system.	6
	SMPS	11/2/2015	11/9/2015	Team	Final testing of SMPS and microcontroller.	6
	LED	11/2/2015	11/9/2015	Team	Final Testing of LED with SMPS and microcontroller	6
Software						
	iOS APP	9/28/2015	10/12/2015	Flavia Cavalcanti, Alex Rhinehart	Specifications of all of the features of the app.	2
	iOS APP	9/28/2015	10/12/2015	Flavia Cavalcanti, Alex Rhinehart	Design user interface layout.	2
	Firmware	9/28/2015	10/12/2015	Ryan Marion and David Wiest	Make specifications needed for IO pins and expected output.	2
	Bluetooth	9/28/2015	10/12/2015	Mitchell Wheaton	Specify Bluetooth commands.	2
	iOS APP	10/12/2015	10/26/2015	Flavia Cavalcanti, Alex Rhinehart	Enable the user to turn lights on and off.	4
	Bluetooth	10/12/2015	10/19/2015	Mitchell Wheaton, Ryan Marion	Specify Bluetooth commands function correctly with microcontroller.	3
	Firmware	10/12/2015	10/26/2015	Ryan Marion	Develop firmware to control SMPS and dim LEDs.	4
	iOS APP	10/26/2015	11/2/2015	Flavia Cavalcanti, Alex Rhinehart	Enable dimming function.	5
	Firmware	10/26/2015	11/2/2015	Mitchell Wheaton, Ryan Marion	Develop function to communicate with Bluetooth module	5
	iOS APP	11/2/2015	11/9/2015	Flavia Cavalcanti, Alex Rhinehart	Add smart features that allow the user to specify what happens when they enter a room etc.	6
	iOS APP	11/2/2015	11/9/2015	Flavia Cavalcanti, Alex Rhinehart, Mitchell Wheaton	Verify App communicates with Bluetooth module.	6
	iOS APP	11/2/2015	11/9/2015	Team	Verify correct output from microcontroller to SMPS on PCB board.	6
	Firmware	11/2/2015	11/9/2015	Mitchell Wheaton, Ryan Marion	Verify microcontroller performs given operation based on different Bluetooth commands.	6