Week Of	General Task	Specific Task	Assigned To	Due	Task Description/Purpose	Est Hrs	Results	Act Hrs
1/12/2009	First Iteration	Write datastream and socket code	Edward		Back-end work to have sensors hold stream for data and the base station to connect to LAMM	5		
		Metadata Serialization	Brian		Create protocol for Sensor Metadata			
		Front End LAMM-WAMM	Jamie		Show the connection and network topology in sidebar			
	Second Iteration	Car Construction	Ancandy		Further physical prototyping and construction of more cars			
		Finish Software	Anh		Clean up car code for use.			
12/8/2008	Design Document	Create Powerpoint Presentation	Brian	12/9/2008	Put the diagrams in a power point		Done	
	Website	Complete WALS	Edward	12/11/2008	Put up final tasks on the logs. Post on site	0.5	Done	0.5
		Put up new and updated documents	Brian	12/11/2008	Design Powerpoint, SRS 1.5, Project Plan 1.5			
		Put up pictures	Anh	12/11/2008	put up pictures for the Photos section	1	Done	2
		Write Project Description on Homepage	Brian	12/11/2008				
		Put Gantt Chart Schedule on website	Jamie	12/11/2008				
	Weekly Activities Log	Complete reports	EVERYONE	12/10/2008	Complete reports			
	Journals	Complete	EVERYONE	12/9/2008	Complete journal entries			
12/1/2008	SRS	Edit Sections	EVERYONE	12/3/2008	Edit your sections according to Payne's notes			
		Organize Editing	Anh	12/5/2008	Oversee the editing	2	Done	3
	Project Plan	Edit Sections	EVERYONE	12/3/2008	Edit your sections according to Payne's notes			
		Organize Editing	Jamie	12/5/2008	Oversee the editing	2.5	Turned in revised doc to DPayne.	3
	Design Document	Data Flow Diagram	Brian	12/6/2008	Clean up and fix the data flow diagram	1	Complete	0.5
		Class Diagram	Edward	12/6/2008	Draw diagram of subsystems	1	Done	
		State Diagram	Anh	12/6/2008	Draw diagram of Mote states	1	Done	2

		Black/White Topology	Ancandy	12/6/2008	Draw diagram	1	Completed with comments modified	1.5
		Prototype Draw-Ups	Jamie	12/6/2008	Draw "screen shots" from our paper prototypes	4	This took a lot longer than I thought it would, but I think the product is good. Still just a prototype, though. Final product will look different, more in line with the OS's UI conventions.	7
		Sequence Diagrams	Edward	12/6/2008	Draw WAMM Disconnect, LAMM Disconnect, and Mote Disconnect	2	Done	
		Sequence Diagrams	Brian	12/6/2008	Draw LAMM View and LAMM Configure Data	2	Complete	2
		Sequence Diagrams	Ancandy	12/6/2008	Draw WAMM View Topology, LAMM View Topology	2	Completed with comments modified	3
			Ancandy	12/8/2008	Re-draw the diagram for connection	1	Completed	0.5
11/24/2008	Communications	Package Structure	Edward		Prototype a structure for data packets. Particularly the metadata of a sensor and sensor readings	2	Drew up. Further discussion in implementation phase	1
		Package Structure	Brian		See above	2		1
		Package Structure	Jamie		See above	1	Sketched some ideas. Want to collaborate with Brian and Ed.	1
	Design Document	WAMM Paper Prototype	Ancandy		Finish the paper prototyping for the WAMM. Particularly when the LAMM filters a sensor, a LAMM disconnects, and when a mote moves outside of SUMS	2	Completed on Thanksgiving	2
	SRS	Re-edit	Anh		Organize the re-editing of the Requirements document	3	In process	4
	Project Plan	Re-edit	EVERYONE		Edit your parts according to Jamie's e-mail			
	User Interface	Socket Connecting	Jamie		Create a prototype in C# to read a stream from a socket	2	Same as last week. Tried several permutations of connection parameters, but no success. Sent both examples to Ed for his input.	1.5

		Socket Connecting	Edward		See above	2	Created a C# program that would listen to a port and printed out what it read from the stream. Created a Java program to write to the stream. Check SVN as Socket Reader and ServerSocketPrinter	2
11/17/08	**Design Doc**	WAMM Sensor Data Request	Edward		Draw Sequence Diagram	2	Done	2
		LAMM to MOTE Command	Anh		Draw Sequence Diagram	2	Done	2
		Transmitting Data	Jamie		Draw Sequence Diagram	2	Need to put diagram into Visio.	1.5
		LAMM Start Up	Brian		Draw Sequence Diagram	2	Complete	1.5
		Organize Document	Ancandy		Create a template and brief what goes in each section	2	Understand the Design document well and get a .doc format document as output.	
		Find Expectations	Edward		Talk to more Dr. Payne	1	Discussed in class	0
	SRS	Re-edit	Anh		Re-edit document according to Dr. Payne's comments	2	In process	3
	Project Plan	Re-edit	Jamie		Re-edit document according to Dr. Payne's comments	2	Still in progress. Should finish by end of Wednesday.	2
	Communications	Radiostream VS Radiograms	Edward		Continue testing communication. Try specifying reciever on Radiogram rather than broadcast	3	Discovered that using Streams with one connection seems to be as good as using multiple connections. Modified the Telemetry Demo to discover that it suffered in performance with multiple threads as well.	3
		Radiostream VS Radiograms	Brian		See above			
	User Interface	Socket Connecting	Jamie		Create a prototype in C# to read a stream from a socket	2	Have simple sample socket code in Java and C#, but have not been able to get the two to connect.	4
	Physical Components	Output a Pulse Width	Ancandy		Connect a servo to the mote and get better PW stability	2	Work with Dr. Payne and discover setPWM().	

Date	Category	Task	Person	Due Date	Description		Status	
11/10/2008	**SRS**	Review	EVERYONE	11/11/2008	Look over document. Send comments to Brian	2		
		Final Edits	Brian	11/11/2008	Do Final Edits. Send to Dr. Payne	2	Completed	3
		Presentation Slides	Ancandy	11/12/2008	Create slides for presentation by 5PMish	2	Completed	1
		Organize Presentation	Edward	11/11/2008	Organize the Presentation. Find expectations	1	Discussed with Dr. Payne	1
	Design	Find Expectations	Edward		Talk to more Dr. Payne	1	Have not done	0
	Physical Components	Connect Bend Sensor to Motes	Ancandy		Read a value from a bend sensor. Be ready to demo.		Anh got it done.	
		Connect Bend Sensor to Motes	Anh		Read a value from a bend sensor. Be ready to demo.	3	Completed.	4
		Output a Pulse Width	Ancandy		Set and output a PW on SPOT	5	Be able to use two approaches to get expected PW.	5
		Output a Pulse Width	Anh		Set and output a PW on SPOT	2	Completed.	3
	Communications	Radiograms VS Radiostreams	Edward		Investigate more on how telemetry demo uses radiograms	4	Did stress testing on Radiograms. Comparisons show underperformance. See report.	4
		Catch Up	Brian		Do more investigation in overall communication structure.			3
	User Interface	Socket Connecting	Jamie		Create a prototype in C# to read a stream from a socket	4	Have socket and thread code but have not connected to GUI yet. Plan to do that this week.	2.5
11/3/2008	**Project Plan**	Management Approach	Brian	11/5/2008	Write Section	2	Completed	2.5
		Requirements	Anh	11/5/2008	Write Section	2	Completed	1.5
		Introduction	Ancandy	11/5/2008	Write Section	2	Wrote a complete section of Introduction. Made further modification with the comments given by peer review.	2.5
		Goals and Objectives	Jamie	11/5/2008	Write Section	2	Wrote a couple of points. Simple goals and objectives. Probably will need more development after DP sees them.	0.5
		Project Overview	Edward	11/5/2008	Write Section	2	Completed	3

		Edit Project Plan	Edward	11/7/2008	Edit Project Plan for consistency	2	First round of editing done.	3
		Get Purpose and Scope from Dr. Payne	Brian	11/5/2008	Discuss the Purpose and Scope of SUMS	1	Purpose actually refers to purpose of document, not system. See IEEE documentation for Scope	1
	SRS	Rewrite Previous Section	EVERYONE	11/6/2008	Do as we discussed	1		
		Reorganize SRS Sections	Ancandy	11/6/2008	Reorganize the format of the SRS	1	Provided an complete outline of SRS recommended by IEEE with some details assisting the understanding of that section.	
		User Documentation	Ancandy	11/6/2008	Write Section	1	Completed	2
		Hardware/Communication Interface	Edward	11/6/2008	Write Section	1	Completed	1
		Software Interface	Jamie	11/6/2008	Write Section	1	Determined that we have three software interfaces for SUMS. Listed the interfaces and defined the interface between SPOT and base. Left interface between base and LAMM and LAMM and WAMM as undefined.	0.5
		Safety and Security Requirements	Brian	11/6/2008	Write Section	1	Completed	0.5
		Edit SRS	Brian	11/8/2008	Edit SRS for consistency	2	Completed	3
		User Interface Prototypes	Jamie	11/8/2008	Draw up some prototypes of the UI for the papers	2	Some drawn. Will have scanned images ready by 11/8.	3.5
	Server	Upload Website Files	Jamie		Upload website to Brazos so everyone can edit the site as needed.	1	Site is in Subversion now. Edit in working copy and then upload to Brazos.	1.5
		DropBox Migration	Anh		Migrate dropbox files to Brazos SVN	1	Completed	0.5
	SPOT Exploration	Basestation Interfacing	Edward		Investiage how to interface between a basestation and connected PC	3	Discovered Sockets as a possible solution	4
		Wire new sensor to SPOT	Brian		Wire an external sensor to a SPOT and get some ADD readings from it	3		0

Date	Category	Task	Assignee		Description	#	Notes	#
		Output a Pulse from SPOT	Ancandy		Output a pulse from a SPOT. See how accurate the frequency and duty cycle is	3	Not worked out. Will be continued on Friday, Nov. 14	2
		Sending data over HTTP	Anh		Have the basestation modify the data sent by a SPOT before sending to RSS server	3		
10/27/2008	**Project Plan**	Consider Roles	EVERYONE		Think of official roles for project and how to divide them among the group		We identified roles for UI design, technical lead, hardware components, and network configuration.	
		Update Project Plan	Ancandy		Reorganize the format and look of the documents as Dr. Payne recommended		Replaced by Brian's version	3
	SRS	Write Operating Environment Section	Ancandy		Write the section	1	Not sure about the Environment requirements. Wrote a couple of points, need suggestion from group members.	0.5
		Write Requirements Glossary	Brian		Write the section	2	First pass of section written	2
		Write Design and Implementation Constraints	Edward		Write the section			
		Write Interface Requirements	Jamie		Write the section		Wrote a few requirements. Will need further work as project progresses.	
		Write Overall Description and Features	Anh		Write the section			
		Update SRS	Ancandy		Reorganize the format and look of the documents as Dr. Payne recommended		Provided an complete outline of SRS recommended by IEEE with some details assisting the understanding of that section.	3
	SPOT Exploration	Test Radiostream Capabilities	Edward		Stress test Radiostream connections for basestation and SPOTs	6	*Complete* Found the amount of threads on a SPOT very limiting. See Edward's WAL for detailed report.	5
		Wire new sensor to SPOT	Brian		Wire an external sensor to a SPOT and get some ADD readings from it	5	Not much in progress	0.5

		Output a Pulse from SPOT	Ancandy		Output a pulse from a SPOT. See how accurate the frequency and duty cycle is	5	Managed to output, but not very well controlled.	5
		Sending data over HTTP	Anh		Have the basestation modify the data sent by a SPOT before sending to RSS server		Did not do	
	User Interface	Explore User Interface Options	Jamie		Begin exploration of UI options for the LAMMs and WAMMS		Have a few paper prototypes for LAMM.	
10/20/2008	SRS	Requirements Template	EVERYONE		Proofread for approval			
	Server	Investigate	EVERYONE		Try connecting through SSH, etc.		Command line still fails with a "bad packet length" error.	
		Diagnose and Repair Server	Brian		Determine what went wrong and fix it	3	Server in working state. Could not diagnose problem	6
	SPOT Exploration	Pulse-Width Modulation	Ancandy		Investigate outputting a signal and hooking up and		Got random pulse with the help from Ed and Brian.	6
		Test Radiostream Capabilities	Edward		Stress test Radiostream connections for basestation and			
		Wire new sensor to SPOT	Brian		Wire an external sensor to a SPOT and get some ADD	5		1
		Sending data over HTTP	Anh		Have the basestation modify the data sent by a SPOT before			
		Signal Strength Adjustment/Distance	Jamie		Test how adding power affects range/signal		The short answer to this is that radio signal is in no way a	
	Website	Modify website	Jamie		Add in sections Dr. Payne mentioned		Ready for review.	
	Other	Weekly Activities Log	Edward		Put one together for everyone's use			