Group Meeting 8

September 25, 2014

2:00pm-3:30PM

Dr. Frank Meeting 2

September 25, 2014

5:30pm-5:45pm

Today we was going to finally Schedule the milestone presentation. We came up with a date but still need a room number. The goal forthis meeting was to make sure everyone has their part on the presentation so we were able to work over the weekend and place everything in order. Ruben and Nandi went to two presentations and took notes on how to present

Everyone should do this weekend

Description on Bitvoicer

Research on SLAM

Slides on Part

Every slides need a footnote with everyones name

What hardware we are buying in the future

URL for our website and have it up to date and how to contact us

ankfind a place to donate

 PROMOTE WEBSITE ON PRESENTATION

MAKE HANDOUTS IF GRAPHS ARE NOT VISIBLE

LESS WORDS ON THE PRESENTATION AT

PICTURE BEFORE DESCRIPTION -- ZOOM

LOGO AND GROUP NAME

WHAT WE ARE DOING AS ENGINEERS?

DESIGNING AND IMPLEMENTING

 ENERGY STORAGE

 RESEARCH

Assignments for the Milestone 1 presentation:

* ASSIGNMENT/SPECIFICATIONS ON EACH PERSON
1. **TALK ABOUT JOB DESCRIPTION (EVERYONE)**
	1. WHEN DOING THE JOB DESCRIPTION TRY TO EXPRESS WHAT YOUR LEAD ROLE IS IN THE GROUP AND WHAT IS YOUR DEPARTMENT ON THE COPTER. SPECIFICATIONS AND STRENGTHS
2. **CONSTRAINTS / TEST PLAN - RESEARCH AND PLANNING (NANDI)**
	1. FUNCTIONAL PLANNER OR CALENDAR FROM NOW UNTIL APRIL
		1. with in milestone 1 2 3 what is each description
		2. OCTOBER (MANUAL & AUTONOMOUS)
		3. NOVEMBER (OPERATE BITVOICER)
	2. COMMUNICATION BETWEEN GROUP AND ADVISORS
3. **INTERFACE WITH MISSION PLANNER (RUBEN)**
	1. OVERVIEW & NEEDS & WHY & CODE OF CONDUCT
		1. ALSO THE EXTRAS AFTER THE PART
		2. QUADCOPTER VS HELICOPTER
			1. WHY IS THIS MORE COST EFFICIENT
4. **SOFTWARE IMPLEMENTATION (KEVIN)**
	1. SOFTWARE DEVELOPMENT
		1. Talk about each program
			1. Can Bitvoicer communicate with Mission Planner.
	2. MOBILE APPLICATION
		1. BITVOICER
		2. HOW SIMPLE?
		3. HOW MANY WORDS IS GOING TO BE USED
		4. HOW IS IT GOING TO COMMUNICATE WITH THE PROGRAM
			1. IDEAS?
				1. BITVOICER TO MISSION PLANNER TO COPTER
				2. BITVOICER TO COPTER TO MISSION PLANNER TO COPTER
		5. WHAT LANGUAGE
		6. WHAT COMMANDS IS FOR THE COPTER
			1. LAUNCH
			2. LAND
			3. HOVER
			4. FLY TO WAVE POINT 1
			5. GO HOME
5. **HARDWARE ANALYSIS (LUDGER)**
	1. OCTOCOPTER VS QUADCOPTER
		1. 4 VS 8 BLADES
	2. WEIGHT REQUIREMENTS
		1. BLADE PROTECTION
			1. HOLES
			2. MATERIAL
			3. COST
			4. COLOR
				1. NOT REFLECTED
			5. FLIGHT CONTROL
				1. PREVENTION IF IT AFFECTS
			6. HOW TO IMPLEMENT
	3. BUDGET
		1. REPLACEMENT PARTS
			1. CHARGER
			2. BLADES
				1. PROTECTION
			3. ENERGY STORAGE
			4. Adding LEDs
				1. TO KNOW WHAT IS THE FRONT OF THE COPTER
			5. CAMERA
			6. GIMBAL
			7. BLUETOOTH HEADSET
			8. BITVOICER
	4. POWER CONSUMPTIONS
		1. FLIGHT TIME
	5. CAMERA (HERO PRO)
		1. SLAM
		2. RESTRAINTS
		3. HOW CAN WE DO LIVE FEED
		4. HOW CAN WE USE THE PICTURES
		5. INFRARED/3D/SCAN

Next Meeting:

9/25/2014 - Meeting with Dr. Frank @ 5:00pm

9/29/2014 - Group meeting @ 8:00am-11:00am

10/2/2014 - Presentation @ 2:00pm - 3:00pm TBA