February Week 4 Meeting Minutes

Dates: Feb 23th – March 1st 2015

Priorities for Project

**Priorities for the Project**

1. Autonomous
2. Voice Control - she will be fine with the commands fly up, fly down, turn on & turn off
3. Blade Protection - needs to be under $500
4. Live Feed
5. Image Processing - she just want to be able to show that it can be possible, so we are basically getting her ready for another project that she has in mind.

New Updates and Questions

Nandi: Well image wise figured out the camera doesn't use internet Wi-Fi to send a live feed and it uses the ip-address so we can be able to see a live feed outside. I found out how to make the Kinect wireless just need to build a power supply which isn’t hard. I need to download this rgbdslam onto my pc this weekend because I messed up the coding and need to start over. I have two Kinect if anyone wants to do this at home too. I also found a way to make the camera Bluetooth so we can send the in for directly to the USB port of, the computer and send the live feed straight to the program so it can make a live feed but I’m afraid that it will take a lot out of the camera battery but we will see. The extra parts I’m paying for them so don’t have to worry about budget

Ludger: The camera should be in soon but everything else might take a week or two after the camera comes in

Kevin: My cpu is loud so wen I did it sometimes it didn't recognize or accept the command but with the base station pc or with using the Bluetooth headset we should be good

Ludger: Do you know if we are still bypassing mission planner or not? I thought we were but the Ruben said something about using it again

Ruben: For voice commands u will have to bypass mission planner and I can help with coding just let me see the code. For autonomous flight but if you read the paragraph and look at the small diagram underneath the block diagram with the three blocks I say for voice commands we have to talk directly to the microcontroller.

Ludger: Either we are not going through mission planner or we are. We have two different approaches on this paper and one has to change.

Kevin Shared a link for parts: <https://store.3drobotics.com/products/df13-6-position-to-5-position-connector-15-cm>

Nandi: I went to the shop today (1/19) and they said that we need to purchase our own material and bring the design to them. I started on the sketch but ran into show errors and problems so ill be at school all day tomorrow working on it just text me or call me with ideas

Nandi: Dr. Bernadin is going to find out if they accept a purchase order and are we able to use partial of her budget for the protection. The shop said I had to do some revising and I will make sure it will be done by Monday for them to get ready for creating the design as soon as they get the material.

New website URL:

[www.eng.fsu.edu/ece/senior\_design/2015/team09/](http://www.eng.fsu.edu/ece/senior_design/2015/team09/)

New Postions:

Ludger Denis: Project Manager – Hardware – Finance

Kevin Powell: Software – Website

Nandi Sevillian: Image Processing Research – Blade Protection – Secretary

Ruben Marlowe: Software – Communication

New Meeting Times and Updates

February 24, 2015 @ 4:00pm – 12:00am Group Meeting Room B350E

February 25, 2015 @ 8:00am – 1:30pm Group Meeting

New Due Dates or Milestones

February 25, 2015 @ 2:00pm Demonstration Room B350E

Cad Drawing: 3/2/15

Ethics Quiz: 3/15/15

Ethics Homework: 4/2/15

Senior Design Fair: 4/9/15

Notebook due: 4/10/15

Final Report due: 4/16/15