Group Meeting 4

September 12, 2014

10:25pm-10:57pm

This morning was a meeting with the advisor for our project, Dr. Bernadin. We went and asked questions on what she wanted the Quadcopter to do. Many ideas was brought across and many concerns were clear to proceed. Below explains the actions on the Quadcopter and goals that needed to be done before April. After the meeting we came together and discussed our homework or research we need to cover before the next meeting time.

Ultimate Goal: To get speech intelligence on the Quadcopter.

* Demo in April we should be able to say “fly up 5 feet” “move around” or “turn on” and the copter should be able to perform the task

HOW is the main task for the project.

* Ruben suggested adding hardware
  + Bit-Voicer

What we need:

* Blades or propellers and find the most sufficient type that follows under budget and get enough to last awhile
* Price the Bit-Voicer
* Search

Voice to control

Price More blades to last awhile…

Price charger for the battery

Processor comes with a voice recognition---maybe need to train it

Voice recon shield

Overall need

Fly up 5 feet example voice command

Go to wave point to hover.

Sensors near so it won’t hover

Mission planner at the base station is better to use

Trail? Tracking –part of imaging processing --- use slam

Voice first then tracking

Prefer cell phone? Yes

Android

Ruben – internship has mobile application back ground

Ludger – suggested 2 work on mobile and other on mission planner

She has grad students working on the software

Bit voicer--

Same blades….or any reasonable

Need first

Blades program software how to use on base station

Budget analysis

Jigger can give pointers…Create a frame for the blades

Under $1000

Document everything going

Once finish one copter try to

Apm will beep when battery dies and land where it’s at pro

Tuesday Thursday Friday mornings meet with her

j

10:57-11:02

Price blades $3

Package the charger

Hardware to use bit

Look up sensors

Look up bit voicer software

Find a better bit voicer

Kevin – compare software

Nandi – update diary , look up cameras sensors, email responsibilities, update contact list