01-09-2016

* GUI
  + Brian, Jin
    - Receive GPS, magnetometer, and science data over UDP.
    - Send motor commands
  + Nathan
    - Receive camera feed with Python
  + Payal, Austin, Faith, Devin
    - Google Maps API
    - Map plotting coordinates (sprites w/ heading)
  + Ryan, Justin
    - Joysticks (Arm, Drive, Science, Cameras)
    - Intuitive Interface (Connect joysticks button, connect rover button)
* Rover
  + Ahmed
    - Script Motors
    - interface w/ sensors and send over UDP
  + Bryan
    - Interface with GPS & magnetometer. Send over UDP
  + Wendy, Maria, Alan
    - anti-skid w/ potentiometer limiting

01-26-2016

* GUI
  + Brian, Jin
    - Fixed bugs with entering coordinates. Object oriented.
  + Nathan, Sebastian, Felix
    - Python script that works. Buffer is set to 300 ms. Will try with two cameras.
  + Payal, Austin, Faith, Devin
    - Captured images and stitched together images. (600 x 600)px is the max image size. Mercator Projection to find coordinates on images. Give coordinates of center and a width and height.
  + Ryan, Justin
    - Just needs to implement UDP. All else is working.
* Rover
  + Ahmed
  + Bryan
    - Magnetometer is set. Sends a char array of headings. Will do the pH sensor next.
  + Wendy, Maria, Alan, Prerna
    - Working on turning speed. Trying to implement an exponential turning control.

01-26-2016

* GUI
  + Brian, Jin
    - Continuing coordinate implementation.
  + Nathan, Sebastian, Felix

* + Payal, Austin, Faith, Devin
  + George
  + Ryan, Justin
    - Will work on emergency buttons now.
    - GUI for joysticks is finished.
* Rover
  + Ahmed
  + Bryan, Abhishek
    - pH probe is finished.
    - Will try to get GPS coords over UDP with the ethernet library and use interrupts on the Arduino.
  + Wendy, Maria, Alan, Prerna
    - In the process of tuning the exponential.
    - Will implement an exponential controller for forward/backward speed.

02-02-2016

* GUI
  + Brian, Jin
    - Working in editing function of coordinates.
  + Nathan, Sebastian, Felix
    - Cameras work with multiple feeds.
    - Working on recording functionality in VLC
  + Payal, Austin, Faith, Devin
  + George
  + Ryan, Justin
    - Will work on packet restructuring for emergency stop buttons.
* Rover
  + Bryan, Abhishek
    - GPS reads data and Arduino can interpret.
    - Working on sending over UDP.
  + Allen, Wendy
    - Fine tuning the exponential controller.
    - Organizing code into a defined function.

02-06-2016

* GUI
  + Brian, Jin

.

* + Nathan, Sebastian, Felix
    - Getting’ buttons in. Records in MPEG.
  + Payal, Austin, Faith, Devin
    - Will check in with Treevor
  + George
  + Ryan, Justin
    - Need to test UDP Packet.
* Rover
  + Bryan, Abhishek
    - GPS reads data and Arduino can interpret.
    - Working on sending over UDP.
  + Allen, Wendy
    - All done with the exponential controller.
    - Will resurrect the old arm from Hal.

02-06-2016

* GUI
  + Brian, Jin
    - Exploring with multiple screens. Forms API take over whole screen, working on reducing size.
  + Nathan, Sebastian, Felix
    - Recording buttons work.
    - Working on changing file name and recording multiple feeds at once.
  + Payal, Austin, Faith, Devin
    - Will check in with Treeverr
  + George
  + Ryan, Justin
    - Emergency stop button works. Will work on potentiometer stop button.
* Rover
  + Bryan, Abhishek
    - GPS reads data and Arduino can interpret.
    - Working on sending over UDP.
  + Allen, Wendy, Aakash
    - Can connect one joystick but still need to move the arm.
    - Aakash will work on the arm while Allen and Wendy will tune the exponential controller one last time.

02-16-2016

* GUI
  + Brian
    - Forms take over the whole screen. Created a shortcut to change to a menu screen to exit other screens.
  + Nathan, Sebastian, Felix
    - Can record multiple feeds not reliably. Sometimes crashes when recording multiple camera feeds. Will work on separating camera feeds into different windows.
  + Austin
  + George
  + Ryan, Justin
* Rover
  + Bryan, Abhishek
    - GPS is working. Will try with magnetometer and then with Ubiquiti
  + Allen, Wendy, Aakash
    - Prototype mysteriously stopped working. Will try to resurrect it and then work on the arm.

02-23-2016

* GUI
  + Brian
    - HUD is underway.
  + Nathan, Sebastian, Felix
    - Fixing Linux problems. Weird stuff with windowing. Will comment code
  + Austin
    - Working on converting to DMS with the coordinates.
  + George
  + Ryan, Justin
    - Just needs to integrate code with Trevor
* Rover
  + Bryan, Abhishek
    - Working on putting all pieces of data into the packet.
  + Allen, Wendy, Aakash
    - Yeah

02-27-2016

* GUI
  + Brian
    - Werkin on the HUD. Goin’ swell. Working on rotating small images for the indicator for the compass.
  + Nathan, Sebastian, Felix
    - Still working on integrating the program in Linux.
  + Austin
    - Finished DMS conversion.
  + George
    - Figure now rotates but it also translates unwantingly.
  + Ryan, Justin
    - Will setup rover to work with Dx6i again for video
* Rover
  + Bryan, Abhishek
    - All is working.
  + Allen, Wendy, Aakash
    - Refactoring code