

Team Meeting Notes

November 6, 2014

Meeting Objectives

- Talk about Midterm II Presentation
- Parts
- Design considerations

Midterm II presentation

- Sign up for Thursday at 3
- Put more analysis and specs in the presentation
- Have more information on electrical components now
 - Why we chose what we did
- Back up why we chose what
- Have to contact Dr Clark and practice with him before the
 - have it done and ready to present to Clark Friday before
- Get started on Tuesday November 11
- Topics for Presentation
 - Testing (trial and error)
 - Made the rover run
 - Made a light turn on
 - Talk about assembling it and the problems we perceived and then changed
 - Chassis body was too small (parts wouldn't fit)
 - Analysis done after first presentation
 - Von misses
 - Motor torque calculations
 - Power analysis
 - How we chose microcontrollers and microprocessors
 - Data transfer
 - Update of our budget
 - What were going to do next (schedule)
 - Background/objectives/needs
 - Picture of tortoise and burrows/picture of Kim's current scope
 - Video
 - Risk assessment
 - Slide about how we want it to be user friendly
 - Screen set up
 - How joystick will work
 - Design of the plexi body
 - How we're mounting things
 - Walls around the treads
 - How it will be attached?
 - Detachable
 - Other possibilities
 - Alternative chassis and camera orientation

- Slides we should have
 - Background/needs
 - Who they are and what their problem is
 - Objective
 - How we're going to solve the problem
 -
 - Improved budget slide
 - Improved scheduling
 - Summary

Parts were still waiting for/need

- Logitech controller
- Adapter
- Gears for the pan and tilt system
 - Look at STRIDE lab and Hobby Town

Design considerations

- Need a waterproof case for display
- Pop-up tripod on spool
- Think about the spool
- Look into backpack vs box
- How big will the spool be
- Backpack design