

Meeting with Team

October 7, 2014

- Objectives
 - Need CAD for the Midterm paper
 - Finish project specifications paper which is due tomorrow
 - Plan presentation
 - Midterm paper and website due October 24
- Presentation
 - Will be 3 people for the 1st one and 3 people for the 2nd one
 - Make sure we have an electrical in each
 - Make sure we invite Dr. Clark, Dr. Harvey, and Dr. Frank
 - 15 mins each speaker must speak 5 mins
 - Presenters for 1st presentation will be: Bridget, Jordan, Colin
 - Presenters for 2nd presentation: Sina, Jane, Lester
 - Do we need the AME logo?
 - Colin will make a block diagram
 - Make sure we have the persons name presenting at the bottom of the slide
 - Should we include our brainstorming photos?
 - Decided not to include a decision matrix
- Have a meeting with Dr. Clark Friday from 1 to 2
 - Things to ask about
 - Materials he has that may be available to us
 - Camera or Plexiglas?
 - See if were on track with our schedule according to him
- Goals for our 1st prototype
 - Camera control
 - Chassis
- Ideas on design
 - Maybe have camera hanging out in front in a Plexiglas case supported by a castor wheel
 - Would be independent of rovers orientation so if the rover flips the camera will still be upright
 - Fish eye lens?
 - Tracks vs wheels
 - More traction less pressure
 - Tracks are slower potentially
 - Tracks can break easier
 - Dirt can get stuck in the tracks
 - Wheels are more maneuverable

- Wheels are more lightweight
 - Wheels need less torque
 - Look into triangle tracks vs linear tracks
 - Use playstation controller to control rover
- Going forward
 - Sina will focus on the website and microcontroller
 - Lester and Jane will work on the CAD