**Meeting Minutes – Week of 11/11 - Team 11**

**Working Meeting 11/14 5:30pm-9:30pm**

1. Ordering
   1. Frame Material
   2. Hardware mounting materials
   3. Arm hardware (bushing/bearings)
   4. Linear Actuator
   5. Still need to place materials order with McMaster, need a better purchasing option, FAMU orders take too long to go through
      1. Compiled order, waiting to place
   6. Need to finalize claw design and order materials
      1. Servo size/strength will be chosen experimentally
      2. Torques of up to 17Nm are available, but servos are bulky
2. Work on Competition Proposal
3. FPGA Work
   1. Achieved motor control, single speed control
   2. Worked on decoder logic
4. Camera Boom work, should be finalized soon
5. Need renders for proposal and website, awaiting camera boom and claw finalization

**Working Meeting 11/15 6:30pm-9:00pm**

1. Intended to get Buehler clock running but ran into wiring/hardware issue, could not get motors to move at all although pwm pulse was getting to the leads. Suspect Pi could have been damaged or a wiring mistake somewhere
2. Further proposal work, finalized Spring testing and development schedule

**Working Meeting 09/26 5:30pm-8:30pm**

Attendance: All

Duration:~2.5 hrs

1. Motors
   1. ON/OFF and speed control working. No encoders
   2. Next step is to get a single motor working with the Buehler Clock
2. Frame Prototype
   1. Prototype frame built out of wood
3. Funding
   1. Still no word on Space Grant money, Dr. Clark will follow up early next week
4. Meeting with Dr. Clark Monday
   1. Dan will update team with time and place
5. Team members need to start uploading documents to Google Docs

**Working Meeting 09/27 6:30pm**

0˚

φ

Attendance: All

Duration: ~1hr

θ

1. Buehler Clock Calculations for leg motion
   1. θ=60˚, φ=300˚
   2. Velocity in θ region is 1/5 that of φ region
   3. In terms of encoder ticks: 150˚=10417 ticks,210˚=14584 ticks, 360˚=25000 ticks
2. Established a rough budget to send to possible sponsors (~45 mins)

**Staff Meeting (Dr. Amin) 09/27 3:00-3:30pm**

Attendance: All

Duration: 15 mins

1. Forward all meeting minutes to Dr. Amin
2. Try to include EEs in future staff meeting as they will be more critical
3. Perform a “function analysis” of the project to help divide tasks
4. Funding
   1. Possible supplementary funding from ME dept
   2. Dan is to send an email to Dr. Amin detailing funding issues