**Meeting Minutes – Week of 10/7 - Team 11**

**Planning Meeting 10/15 8:00am-8:30am**

Attendance: all

1. Prep for staff meeting with Dr. Clark
   1. Topics, slides questions
2. Concept Deliverable
   1. Prepare selection matrices Wed.
   2. Bring slides/report parts to Sunday’s meeting

**Staff Meeting (Dr. Clark) 10/15 3:00-3:30pm**

Attendance: all

1. Proposed cooling methods
   1. Cheap watercooling setup for PC’s
   2. Dr. Clark: Wait until things are up and running to determine if cooling is necessary, no active cooling on XRL
2. Proposed Arm Designs
   1. Dr. Clark:
      1. Simple is key, controllability is most important parameter by far
      2. “RRR” concept difficult to build and program, also slow and heavy
      3. Grippers need more emphasis, two pronged idea is insufficient
      4. 2-axis idea may be more mechanically complex but would be simple to control
      5. What about an assembly line solution? Rocks are picked up en masse and sorted while robot is moving to next target
      6. Test arm and specifically claw designs is top priority
3. Carbon Fiber leg construction
   1. Although we may not end up building new legs, it is important to get several practice runs in so that we don’t have to learn the process before making our legs next semester (Myles/Parker)
4. Webcam
   1. Dr. Clark would like to see some streamed video by next meeting
5. Raspberry pi/Arduino
   1. Establish control of motors from the Pi to the Arduino to the motors by next meeting
6. Have some testing done on claw designs by next meeting

**Working Meeting 10/17 6:30pm-7:30pm**

Attendance: All

1. Budget
   1. We have money: $1000 likely from Space grant pending adequate proposal (sent)
   2. $1000 in store credit from MISUMI
2. Website: need to get up and running ASAP
3. CAD models required for concept presentation: have cad for arm designs by Sunday meeting
4. Did Bi-Weekly report for thurs. Staff meeting
5. Worked on prototype for 2-axis arm, were unable to obtain required precision

**Staff Meeting (Dr. Shih) 10/18 5:40pm-6:00pm**

Attendance: all

1. Competition proposal
   1. We need to find ways to emphasize all of the ways we stand out
      1. All undergrad team (probably the first)
   2. Legged robot
      1. It is not enough to say that we are using a legged robot, it must be stressed why this is favorable and what advantage we expect to have over other robots
   3. Outreach possibilities
      1. Challenger learning center, high schools/middle schools
   4. See if we can get promoted through FSU TV