Date: 10/28/2013

Project Name: Transradial Prosthetic Arm

Group Number: 15

Group Members: Kendall Gretsch, Henry Lather, Kranti Peddada

**Current status of project:**We further developed our current designs and came up with some new ones for the terminal device. We also divided our design ideas into different categories: terminal device, actuation and control, socket, manufacturing, and suspension. After talking to our mentors and evaluating our Pugh charts, we decided that the IMU-controlled device would be the best choice for actuation and control. We also decided that the Robohand design would be best for the terminal device, the socket would be 3D printed, the manufacturing style would be FDM, and the suspension mechanism would be a non-gel liner that locks. We have also finished our oral report presentation and are currently working on our written report.

**Work planned for next week:** We hope to finalize our electronics design by the end of next week. We will also start looking into our socket, suspension, and terminal device design as well.

**Anything needed from client or TA or instructor to continue work:** We have a question for Prof. Klaesner: If our design solution is to use sensors, a microcontroller, motor controllers, and motors, all driving a mechanical hand, do we need to write all of the necessary code for the microcontroller? Or do we just to give a precise description of the inputs and outputs?