

# ***Positioning device for ophthalmic scanning laser systems***

## ***Team: “Ocular Imaging” Team***

*Client: Carol Rasmussen*

*Advisor: Professor Tom Yen*

*Team Members: Daniel Frost (Team Leader, BWIG)*

*William Stanford (Communicator, BSAC)*

*March 6 to March 12*

### **Last Week’s Goals**

- Give midsemester presentation.
- Receive motors and motor controllers and set them up.

### **Summary of Accomplishments**

- Gave midsemester presentation.
- Finished midsemester paper.
- Got motors and motor controllers in mail

### **This Week’s Goals**

- Hook up motors and motor controllers.
- Do any troubleshooting with motor function.

### **Project Difficulties**

- None

### **Activities**

- 3/6 – Midsemester presentation.
- 3/10 – Work on midsemester paper. ~ 1.5 hr each

## Project Schedule

Preliminary Project Schedule	
Dates	Activities
Jan. 23-30	Form team roles and contact client. Individual research on mechanizing design.
Jan. 31 – Feb. 5	Client meeting. Contacted McMaster-Carr about motor/joystick and planned experiment.
Feb. 6 – Feb. 12	Got information on joystick and came up with initial plan for rotating mechanism.
Feb. 13-Feb. 19	Found more suitable motors and joystick.
Feb. 20-Feb. 26	Found motors powerful enough to work and ordered them. Also ordered motor controllers and mounting brackets.
Feb. 27-Mar. 5	Decided to wait on joystick until motors are working. Midsemester preparation.
Mar. 6 – Mar. 12	Midsemester presentation and paper.

## Expenses

- **Motors Trossen Robotics MP-36016-385 \$37.50 x3 - \$112.50**
- **Motor Mounts Trossen Robotics M-800-PB-S3751-BB \$10.00 x3 - \$30.00**
- **Motor Controllers Trossen Robotics C-100-DC-BB-0518 \$46.50 x3 - \$139.50**

**Total - \$282.00**