

Progress Report: Week of 9-16-2005

Robotic Arm for Minimally Invasive Surgery Team 22

Client: Aimen F. Shaaban, M.D.
Assistant Professor of Surgery
University of Wisconsin Medical School

Team Members: Ashley Huth (BSAC)
Brenton Nelson (Leader)
Max Michalski (Communicator)
Sujan Bhaheetharan (BWIG)

Problem Statement: The team's goal is to design a surgical tool that will simulate the basic movements of the human wrist. The surgical tool will best be designed if it will be operable by hand as well as adaptable to a surgical robot in the near future. This project is meant to further minimize the impact of surgery on a patient in minimally invasive surgery.

Last Week's Goals:

- Meet with Dr. Aimen F. Shaaban to get specific details on what he wants from our group this semester.
- Set up an appointment to see the current surgical robots in person
- Meet with our advisor, take a team picture, set up our team website, and create a team project schedule.
- Continue to research surgical robots that are used currently.
- Begin thinking of possible designs for our project, individually.

Accomplishments:

- Met with Dr. Aimen F. Shaaban to get specifics of his wants of our design team.
- Acquired a current model of surgical tool being used by the UW Medical School
- Further researched the surgical robots that are being used currently, individually.
- Began thinking of possible designs knowing what our client wants, individually.
- Referred to a possible 2nd source by Prof. Tompkins, Prof. Kreg Grueben, and the group attempted to make contact with him.
- Set up our team website and took a team picture.
- Sujan set up a design outlook to aid our group throughout the semester.

Next Week's Goals:

- Finish our project schedule.
- Decide on the exact project design specifications as a group.
- Continue to gather information on surgical tools to help us design our project.
- Meet with Prof. Kreg Grueben to talk about our project and get more ideas, if possible.

Brenton
Max
Ashley
Sujan
All

