

Senior Design Project P12317: Nano Manipulator Design

Minutes for group meeting held on 12/16/2011

Members Present

Jackie Bastardi, Rob Hughes, Brad Ling, Sabine Loebner and Brad Olan

Meeting began at 11:00 am and was held in the Computer Engineering conference room; Rob Hughes recorded the minutes. All group members were present.

House of Quality Discussion

Brad Ling led the group through the construction of a house of quality. This activity built upon previous work identifying and clarifying the customer needs and specs. Several questions about the need, scope and applicability about various needs and specs were illuminated by this process, notably:

- 1) Should we have a spec for the mounting of the pipette holder
- 2) Require a better understanding of the "easy to use" spec

- As well as other. The decision was made to reopen the discussion of the house of quality after break and more research.

Agenda for the Week 4 and 5

An agenda for the task that required completion before system design review was developed. These tasks are slated to be completed in week 4 and the beginning of week 5.

- 1) Finish HoQ
- 2) Take apart and reverse engineer current manipulator
- 3) Concept Evaluation
- 4) Concept Selection (fall into beginning of week 5)
- 5) Schedule Systems Design Review
- 6) Develop Systems Design Review Agenda
- 7) Risk Management analysis
- 8) Create Presentation