

Senior Design BiWeekly: Status Report 3

Title: Development of a strain visualization microsensor based on Moiré fringes

Week 2: Report February 17 - March 1

Team Members: Christian Tanberg, Matthew Thies, Ki Jun Shin and Parvaraj Bhatt

Client & Advisor: Dr. Long Que

Summary of the Progress: In the last two weeks, we spent time brainstorming ideas for a possible solution. We also finished the first draft of the design document. We read some articles and watched some videos on microsensors.

Pending Issues:

Christian Tanberg: N/A

Kijun Shin: N/A

Matthew Thies: N/A

Parvaraj Bhatt: N/A

Individual Contributions:(Individual)

Name	Contribution	Working hours	Total Hours
Project Manager: Christian Tanberg	Over the last two weeks I worked on the first draft of the design document. I also continued brainstorming new ways we can use the microsensor to measure the tensile and compressive strain.	5	12
Research Lead: Ki Jun Shin	For the past two weeks, I have been working on the First Design Document. Moreover, I have looked up the other applications regarding our topic for Senior Design Project.	5	13
Test Engineer: Matthew Thies	I have worked both on the design document and also worked on ways to use the microsensor to measure tension and strain of Moire Fringes.	5	11
Design Engineer: Parvaraj Bhatt	Brainstormed ideas for possible solutions and worked on the first draft of the design document Read articles on microsensors	5	11

Future Plans

1. Meet with our adviser to discuss our ideas
2. Meet next week as a group to determine what design we want to start prototyping
3. Keep coming up with different ideas
4. Discuss testing requirements