

NEUROTOUCH MEETING MINUTES

10 January 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans
5. Mazen Aljawi

Meeting start: 9:30 AM

Location: One World Cafe

CURRENT BUSINESS

1. Christmas Break stories
2. No individual progress made over break.
3. New semester meeting time Mondays 10:30-11:20am
 - a. Will meet Wednesday next week since no school Monday.
4. Christina needs SolidWorks file from Brooke to make rod
 - a. Will also need screws to hold device together.
 - b. Order ball bearings for tip?
5. Also will make new brain 3D print and hopefully to it can turn into a mold for agarose gel
 - a. Will need pla filament

Meeting Adjourned: 10:30 AM

NEUROTOUCH MEETING MINUTES

12 January 2017

Instructor Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans
5. Mazen Aljawi

Instructor: Dev Shrestha

Meeting start: 4:00 PM

Location: GJ 108

CURRENT BUSINESS

1. Christmas Break update
2. LVDT
 - a. Dev brought up idea of Linear Voltage Displacement Transducer as back up if Ultrasound Sensor was not sensitive enough. Will need more research on that idea.
3. We got the go ahead for possible Vandal Meats field day.
4. Will set up weekly goals for the rest of the semester
5. Mazen is still working with Dr. Schiele on Agar Gel.
6. Goal: testable device within one month

Meeting Adjourned: 4:45 PM

NEUROTOUCH MEETING MINUTES

18 January 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans
5. Mazen Aljawi

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Team agreed that more meetings per semester were necessary to keep progress going on project
 - a. Sundays @ 6PM- new weekly meeting times.
 - i. Plan to do US sensitivity test
2. Christina is scheduling meeting with Rick to discuss plans about the rod.
3. Brooke and Brendan discussed LVTD and decided not ideal for our design. Not plausible to try and make own device in short time and not possible to incorporate manufactured design into rod.
4. Moved 2 tables and 3 chairs into new lab for working space.

Meeting Adjourned: 11:20 AM

NEUROTOUCH MEETING MINUTES

22 January 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Brendan Souvenier
3. Brooke Deans

Mentor: Rick Leathers

Meeting start: 4:00 PM

Location: BEL 218

CURRENT BUSINESS

1. Rick attended the meeting to get a look at the 3D printed body of the device. Christina brought one of Dr. Martin's Calipers to measure it's dimensions in English units, since that is what the shop tools are in.
 - a. Brook will bring the device in to Rick on Monday with plans to make rod on Tuesday with Christina and Brooke
2. Ultra Sound sensor testing
 - a. Sensor was put in the 3D printed body, a piece of cardstock was put on caliper and measured at set intervals.
 - b. Brendan has data and will plot it for Dev's meeting

Meeting Adjourned: 5:30 PM

NEUROTOUCH MEETING MINUTES

25 January 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans
5. Mazen Aljawi

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Ultra Sound sensitivity data
 - a. Not been plotted yet.
2. Rod mechanism
 - a. Rod tip 0.5" diam
 - i. Goal tip size 0.25" diam
 - b. Stainless steel
3. Detailed design review
 - a. Will work on at meeting Sunday
4. Other Business
 - a. Everyone should have BEL Vandal Card access code
 - i. Only one Key to be assigned to this lab so will have to just pass it around or find a safe place to leave it for all team members.
 - b. Brendan is working on raspberry pie
 - i. Wants someone else to take on Arduino code stuff to see if the Arduino has enough RAM while he works on rasp. Pi.
 - ii. May work on a board for force sensor for securing of the sensor to the device without sacrificing possible damage to sensor.
 - c. Matt will contact clients about instructor meeting tomorrow, And verify date, time and location for detailed design review.
 - i. February 2nd @ 4:00pm (ME conference room??)
 - d. Friday Matt and Brendan will be putting the bread board and Voltage scaling circuit. Friday 3:30-6:30 pm (will need Christina's Ethernet cable and long keyboard)
5. Mazen will order 2 new force sensors and PLA filament today/tomorrow. Agarose Gel equipment orders next week.
6. Brendan current holder of BEL 218 key

Meeting Adjourned: 11:20 AM

NEUROTOUCH MEETING MINUTES

29 January 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans

Meeting start: 12:30 PM

Location: BEL 218

CURRENT BUSINESS

1. Brendan has Force Sensor running
 - a. Found Arduino code online.
 - b. The force sensor can record very light touch but takes a long time returning values back to zero.
2. Brendan and Matt broke down the two different circuits for the force sensor and US sensor to Christina and Brooke
3. Christina and Brooke ran second US experiment to test sensitivity and for hysteresis.
4. Matt and Brendan worked on Force sensor schematic and code.
5. Team agreed to push the Detailed Design Review back a week to give more time to get more data for clients
6. We also have the laser from Dr. Maughan's other team to test for as well.

Meeting Adjourned: 4:15 PM

NEUROTOUCH MEETING MINUTES

1 February 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans
5. Mazen Aljawi

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Christina finished trimming down rod tip this morning with Rick.
2. Matt looked into Detailed Design Review locations and sent out the new calendar invite to clients about date change.
3. Christina found .stl brain file. Trying to meet with Lucas to work on it sometime next week.
4. Brendan and Matt worked on design housing and PCB plan on kicad.

Meeting Adjourned: 11:20 AM

NEUROTOUCH MEETING MINUTES

2 February 2017

Instructor Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans
5. Mazen Aljawi

Instructor: Dev Shresthra

Meeting start: 4:00 PM

Location: GJ 108

CURRENT BUSINESS

1. Matt presented 8 wire schematic to Dev to look at how to connect laser sensor to voltage source for testing this weekend.
2. Christina and Brooke re-did the US testing and are now working on compiling the data.
 - a. How to determine max error of sensor?
3. Lucas did not get back about 3D printing will try again.
4. Mazen still needs to order polymer equipment and find compression tester.
5. Brendan and Matt will design PCB boards to order.

Meeting Adjourned: 4:30 PM

NEUROTOUCH MEETING MINUTES

5 February 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans
5. Mazen Aljawi

Meeting start: 7:00 PM

Location: BEL 218

CURRENT BUSINESS

1. Matt and Mazen did soldering of wires for laser sensor but will to the testing on Monday.
2. Christina and Brooke re-did the US testing and are now working on compiling the data.
 - a. Three trials-data saved on OneDrive.
3. Brendan and Matt worked on designing the PCB boards to order

Meeting Adjourned: 8:00 PM

NEUROTOUCH MEETING MINUTES

7 February 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans
5. Mazen Aljawi

Meeting start: 3:15 PM

Location: BEL 218

CURRENT BUSINESS

1. Christina made DDR Powerpoint. Everyone was assigned slides.
2. New plan for testing of the force sensor.
 - a. Christina will meet Rick in shop tomorrow to make a flat top to set weights on.
 - b. Brooke will get weights and scale from ME department sometime this week.
 - c. Matt and Brendan will do testing Friday Feb 10th.
3. More kicad design progress was made.

Meeting Adjourned: 4:30 PM

NEUROTOUCH MEETING MINUTES

8 February 2018

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brendan Souvenier
4. Brooke Deans
5. Mazen Aljawi

Meeting start: 4:00 PM

Location: BEL 218

CURRENT BUSINESS

1. Mazen did 2nd and 3rd laser sensor test
 - a. Matt worked on plotting the 1st data set to get formatting done for 2nd and 3rd graphs.
2. Brendan and Brooke worked on PowerPoint slides.
3. Christina did data analysis of US values and formatted plots for the PowerPoint.
4. Brendan set up Force Sensor tests. Brendan plans to do Force sensor test tonight because he wants that data for the Design Review.
 - a. Brendan also set up a meeting with Dev to go over schematic since he needs help
5. Brooke to take on Arduino Code from Brendan and meet with Maughan about it Friday

Meeting Adjourned: 6:00 PM

NEUROTOUCH MEETING MINUTES

12 February 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brooke Deans
4. Mazen Aljawi

Meeting start: 1:00 PM

Location: BEL 218

CURRENT BUSINESS

1. DDR Presentation notes
 - a. Next step is to get both sensors running together.
 - b. Dr. Martin wants a full written schematic of the electrical set up.
2. Brendan pulled up Arduino code and prepared the set up for the force sensor
 - a. Testing still need to be done
3. Matt and Brendan made accessory board for US sensor
4. TK code for Ultrasonic sensor and Laser sensor to compare them.
 - a. Laser is more sensitive on set testing. Need to take information to Dr. Maughan about what to choose.
5. Christina updated all meeting minutes and then went to IRIC @ 1:15pm to work on brain model.

Meeting Adjourned: 2:30PM

NEUROTOUCH MEETING MINUTES

15 February 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brooke Deans
4. Mazen Aljawi
5. Brendan Souvenir

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Log Books due Friday
 - a. Went over everyone's progress this month because of all the individual work being done.
2. New electrical set up
 - a. Brendan made new 'simple' circuit.
3. Dr. Maughan meeting with Brooke and Brendan
4. PCB board for Force Sensor complete. Brendan and Matt showed all
5. Amplifiers and polymer testing equipment
6. 3D print meeting @2:30
7. No meeting this Sunday do to long weekend.
 - a. Possibly on Monday if needed.

Meeting Adjourned: 11:30 AM

NEUROTOUCH MEETING MINUTES

22 February 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brooke Deans
4. Mazen Aljawi
5. Brendan Souvenir

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Over long weekend Brendan did some tests and agreed that we will go with Laser Sensor.
 - a. Has both devices reading voltages simultaneously
 - b. \$630
2. Brooke worked on new hardware model
 - a. Wants to have a spring or some block to hold rod up to surface of force sensor
 - b. Rod is going to be 0.25".
 - c. Lots of spring research done and more talk about changes to the device.
 - i. Spring:9657K84
 - d. Plan to 3D new rev first to see ergonomics of device before machining out.
3. Life size brain mold:
http://www.ebay.com/itm/like/332113081339?lpid=82&chn=ps&ul_noapp=true
4. Christina and Mazen have meeting with Helen Joyner in AGSCI Friday 11:00pm
5. Brendan and Matt reworked kicad design to help with Brookes Design.

Meeting Adjourned: 11:30AM

NEUROTOUCH MEETING MINUTES

23 February 2017

Instructor Meeting

Attendance

Team

1. Christina Gibbs
2. Matt Harlow
3. Brooke Deans
4. Mazen Aljawi

Instructor: Dev Shrestha

Client: Dr. Martin

Meeting start: 4:00 PM

Location: BEL 218

CURRENT BUSINESS

1. Showed Dev and Dr. Martin the lab and electrical set up
2. Christina and Mazen are meeting with Helen Joyner tomorrow.
3. Matt will pick up Oscope Monday.
 - a. Will do testing and then give data to Dr. Martin for provisional progress.
4. Brooke working on external design and computational coding.

Meeting Adjourned: 4:45 PM

NEUROTOUCH MEETING MINUTES

01 March 2017

Team Meeting

Attendance

Team

1. Matt Harlow
2. Brooke Deans
3. Mazen Aljawi
4. Brendan Souvenir

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Portfolio, WikiPage, Team Evals, and Snapshot 3/7/2017
2. Snapshot
 - a. Clients want working prototype. May have components together but maybe not working.
3. Portfolio-Brooke will assign pages on Sunday.
4. PCB's
 - a. Ready to order by Brendan
5. Force Sensor testing?
 - a. Still not done.
6. Housing
 - a. 3D print does not fit.
 - b. Aluminum being ordered today. Brooke is meeting with Rick Friday (3/3) to work on MasterCam
7. Christina and Mazen met with Helen Joyner to talk about testing requirements for device.
 - a. will do training and testing on 3/3. Polymers have been made.
8. Need to do online training and turn in form to Dr. Martin.
9. Class update
 - a. Matt went to class. We need to register for Design EXPO.
 - b. Even if we don't get a technical presentation, we will still have to do a presentation.
10. Brendan need to order a 5B Module to isolate electricity on circuit board for more accurate results.
11. Next meeting 3/5 for snapshot prep.

Meeting Adjourned: 11:30AM

NEUROTOUCH MEETING MINUTES

02 March 2017

Instructor Meeting

Attendance

Team

1. Matt Harlow
2. Brooke Deans
3. Mazen Aljawi
4. Brendan Souvenir
5. Christina Gibbs

Instructor: Dr. Shrestha

Client: Dr. Maughan

Meeting start: 4:00 PM

Location: GJ 108

CURRENT BUSINESS

1. Mazen brought gels that will be tested tomorrow.
 - a. Seem pretty stiff. Dr. Joyner recommends gelatin for future gels.
2. Dev brought a signal conditioning module for Brendan to help with voltage regulation.
3. Brooke and Rick are meeting tomorrow again to work on external housing.
4. Accessory Board finished.
5. Matt will pick up Oscilloscope tomorrow for testing on Sunday.
6. VandalMeats sheep brain feeling on Monday.
 - a. Brooke will bring hole saw. Because of small team availability, we can bring into NIML to wait before opening the head so we all can participate.
 - i. Christina will email Dr. Martin for permission

Meeting Adjourned: 5:00 PM

NEUROTOUCH MEETING MINUTES

05 March 2017

Team Meeting

Attendance

Team

1. Brooke Deans
2. Mazen Aljawi
3. Brendan Souvenir
4. Christina Gibbs

Meeting start: 2:00 PM

Location: BEL 218

CURRENT BUSINESS

1. Brooke delegated assignments for snapshot day
 - a. "Team Notebook" file for Portfolio Assignments
 - b. "Snapshot Day 3" in Snapshot folder for assignments
2. Christina and Mazen did the testing with Dr. Joyner.
 - a. Agarose Gel is very brittle. Dr. Joyner recommends Gelatin
 - b. The flat ended probe punctured the surface of the gels almost every time. So we cannot use the data recorded.
 - i. Christina will work with Rick to make an adapter so we can test with our tip size- hopefully Monday
 - ii. Mazen will make new gels in larger petri plates
 1. Confined compression test.
3. Brendan set up electricals for Force Sensor testing. Christina will do sometime this evening.
4. Matt will bring in Oscilloscope and then we can get data for Dr. Martin.
5. Brendan working on the rest of the electrical stuff and ordering PCB's

Meeting Adjourned: 3:00 PM

NEUROTOUCH MEETING MINUTES

08 March 2017

Team Meeting

Attendance

Team

1. Brooke Deans
2. Mazen Aljawi
3. Brendan Souvenir
4. Christina Gibbs
5. Matt Harlow

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Snapshot review.
 - a. Could we rearrange the PCB to be parallel with the laser sensor? Dr. Maughan talked about doing this to save space in the design. Will rotate 90 degrees to save some space but will not be tilting the PCB on its side (would end up being bigger)
 - i. Two layer board 1/16-1/8" thickness of the board.
 - ii. Matt will talk to Mike today about if he is going to demand
2. Brendan will order the circuit board today.
3. Christina is working with Rick to make a testing tip for the texture analyzer.

Meeting Adjourned: 11:20 AM

NEUROTOUCH MEETING MINUTES

09 March 2017

Instructor Meeting

Attendance

Team

1. Brooke Deans
2. Mazen Aljawi
3. Brendan Souvenir
4. Christina Gibbs
5. Matt Harlow

Instructor: Dr. Shrestha

Meeting start: 4:00 PM

Location: GJ 108

CURRENT BUSINESS

1. Christina has Aluminum
2. PCB's are ordered.
3. Matt met with Dr. Maughan
4. Arduino code will be done by end of break

Meeting Adjourned: 4:30 PM

NEUROTOUCH MEETING MINUTES

22 March 2017

Team Meeting

Attendance

Team

1. Brooke Deans
2. Brendan Souvenir
3. Christina Gibbs
4. Matt Harlow

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Welcome back from Spring Break!
2. In class yesterday we were suggested to sign up to compete in Innovation Showcase
 - a. Sign up by March 31st
 - b. Presentations April 13th
3. Matt is designing transportation case.
4. Christina and Matt will meet this weekend to do Force Sensor calibration tests and get raw data from Oscope for Dr. Martin.
5. Next Tuesday is Wiki meeting for class. Matt will attend
 - a. During class period Brooke and Brendan will meet in lab to do DFMEA and Christina and Mazen will do gelatin gel testing in Dr. Joyner's lab.
6. Design report outline made- needs to be worked on. Due April 7th.
7. NIML meeting coming up-Matt will go.

Meeting Adjourned: 11:20 AM

NEUROTOUCH MEETING MINUTES

23 March 2017

Instructor Meeting

Attendance

Team

1. Brooke Deans
2. Brendan Souvenir
3. Christina Gibbs
4. Matt Harlow
5. Mazen Aljawi

Instructor: Dr. Schrestha

Client: Dr. Maughan

Meeting start: 4:00 PM

Location: GJ 108

CURRENT BUSINESS

1. We are signed up for Innovation Showcase for our technical presentation
 - a. April 13th.
 - b. Need to notify clients.
 - c. College of Graduate Studies wants to highlight our project for promotional material.
2. Saturday Christina and Matt will do Oscope stuff for patent.
 - a. Tuesday DFMEA, Wiki, and Polymer testing will be done.
3. Machined device is ready to be fit with boards
4. PCB boards are in. More supplied needing for soldering and are ordered.
5. New tip made for Texture Analyzer-question on radius size?
 - a. Christina will get more information.
6. Christina will be presenting tomorrow @2:30 in NIML for a class tour. Matt will be at NIML meeting @430

Meeting Adjourned: 4:30 PM

NEUROTOUCH MEETING MINUTES

29 March 2017

Team Meeting

Attendance

Team

1. Brooke Deans
2. Brendan Souvenir
3. Christina Gibbs
4. Matt Harlow
5. Mazen Aljawi

Meeting start: M

Location: BEL 218

CURRENT BUSINESS

1. Testing yesterday was done and a success. We have data to send to Dr. Martin as well as calibration curves for the Force Sensor.
2. Time still not confirmed for Innovation Showcase.
3. Brendan went over problems and what is left with PCB.
4. Brooke set up DFMEA and report outline.
 - a. Wants everyone to put as much into the report as possible so we will have less work around EXPO
5. New force sensors are back ordered.

Meeting Adjourned: M

NEUROTOUCH MEETING MINUTES

30 March 2017

Team Meeting

Attendance

Team

1. Brooke Deans
2. Brendan Souvenir
3. Christina Gibbs
4. Matt Harlow
5. Mazen Aljawi

Meeting start: 3:30 PM

Location: BEL 218

CURRENT BUSINESS

- 1.

Meeting Adjourned: 4:30 PM

NEUROTOUCH MEETING MINUTES

4 April 2017

Team Meeting

Attendance

Team

1. Brooke Deans
2. Brendan Souvenir
3. Christina Gibbs
4. Matt Harlow
5. Mazen Aljawi

Meeting start: 3:30 PM

Location: BEL 218

CURRENT BUSINESS

1. Oscilloscope data was sent to Dr. Martin but he was looking for more. Christina computed calibration curves and formatted data and graphs. Will work on more tonight and bring to Thursday's meeting.
2. Brooke is putting together report. Everyone do assigned portion. Christina will compile DFMEA and report when Brooke leaves town.
3. Brendan-

Meeting Adjourned: 5:00 PM

NEUROTOUCH MEETING MINUTES

6 April 2017

Team Meeting

Attendance

Team

1. Brendan Souvenir
2. Christina Gibbs
3. Matt Harlow
4. Mazen Aljawi

Instructor: Dr. Shrestha

Client: Dr. Maughan

Meeting start: 3:30 PM

Location: BEL 218

CURRENT BUSINESS

1. Christina presented new graphs.
 - a. Needs to adjust to relative displacement
 - b. Need new calibration curves for date coming in through 5B modulus.
 - c. Dr. Maughan suggests hooking up laser sensor to machine CNC mill for accurate displacement.
2. DFMEA done by Brooke
3. Testing with new tip done by Mazen and Christina.
4. Brendan will have Arduino up and running by next week
 - a. Should have code to be able to get rough data points and them plot.
 - b. Should have ability for someone to hold device and press into hand/arm at innovation showcase.
5. Christina and Brendan did video for Innovation Showcase yesterday. Will send to clients for approval.
6. Christina will submit preliminary report to Dev tomorrow.

Meeting Adjourned: 5:00 PM

NEUROTOUCH MEETING MINUTES

9 April 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Mazen Aljawi

Meeting start: 3:30 PM

Location: BEL 218

CURRENT BUSINESS

1. Force sensor testing done by Mazen.
2. Laser sensor testing attempted but there is something wrong with the readings. Data points show no linearity. Our best attempt only had an R^2 value of 0.72
 - a. Brendan will rewire entire system to eliminate possible wiring issues. Retesting will need to be done.
 - b. Christina will talk to Rick about using CNC machine for testing.

Meeting Adjourned: 7:00 PM

NEUROTOUCH MEETING MINUTES

11 April 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Mazen Aljawi
3. Brendan Souvenier
4. Brooke Deans
5. Matt Harlow

Meeting start: 3:30 PM

Location: BEL 218

CURRENT BUSINESS

1. Christina made draft of poster and partial presentation for innovation showcase.
 - a. Slides assigned. Presentation run through tomorrow.
2. Dr. Martin and Dr. Maughan want to submit one more time to OTT before any promotional material goes out.
 - a. Everyone has their new document. Our updates need to be in tonight.
3. Innovation Showcase presentation @3:30 pm.
4. Matt presented SolidWorks drawing on transportation case.
5. System rewired with PCB's. Matt and Brooke will do linearity testing tonight to try and get a new calibration curve.

Meeting Adjourned: 4:20 PM

NEUROTOUCH MEETING MINUTES

12 April 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Mazen Aljawi
3. Brendan Souvenier
4. Brooke Deans
5. Matt Harlow

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Presentation run through. Most slides were not completed. Will meet again tonight @9:00PM to finalize the powerpoint.
 - a. Christina will do a more throughout background section.
2. Brendan working on wiring system.

Meeting Adjourned: 11:20 AM

NEUROTOUCH MEETING MINUTES

12 April 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Brooke Deans
3. Matt Harlow

Meeting start: 9:00 PM

Location: BEL 218

CURRENT BUSINESS

1. Everyone's slides have been updated and are almost complete.
2. Matt worked on transportation board.
3. Brooke crafted a set up for our 3D renditions.

Meeting Adjourned: 10:30 PM

NEUROTOUCH MEETING MINUTES

13 April 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Brooke Deans
3. Matt Harlow
4. Brendan Souvenir

Meeting start: 11:00 AM

Location: BEL 218

CURRENT BUSINESS

1. Completed two run-throughs of entire presentation.
2. Finalized transportation board and went to TLC to present.

Meeting Adjourned: 11:30 AM

NEUROTOUCH MEETING MINUTES

13 April 2017

Instructor Meeting

Attendance

Team

1. Christina Gibbs
2. Brooke Deans
3. Matt Harlow
4. Brendan Souvenir
5. Mazen Aljawi

Instructor: Dr. Shrestha

Client: Dr. Maughan

Meeting start: 12:30 PM

Location: 3rd floor TLC

CURRENT BUSINESS

1. Presentation went well.
 - a. Better transition from tensile testing to indentation testing.
 - b. Team needs to put in more technical information for IP to be sent. Brooke, Matt and Brendan will input their parts tonight.
2. Logbooks due tomorrow at 5pm
3. Reception at 6pm. Brooke will be in attendance in case of awards.

Meeting Adjourned: 1:30 PM

NEUROTOUCH MEETING MINUTES

19 April 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Brooke Deans
3. Matt Harlow
4. Brendan Souvenir
5. Mazen Aljawi

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. OTT submitted to Dr. Maughan and Dr. Martin. Congrats everyone on getting 3rd place at Innovation Showcase!
2. Brendan still working on serial code, numbers have been looking weird.
3. Brooke is updating to newest design with Dr. Maughan. Is also trying to meet up with Rick for possible machining
4. Matt has McMaster Carr parts to mount boards to for transportation plate.
5. Load Cells are in.
6. Argonaut interview later today. Christina, Matt, and Brooke.

Meeting Adjourned: 11:20 AM

NEUROTOUCH MEETING MINUTES

20 April 2017

Instructor Meeting

Attendance

Team

1. Christina Gibbs
2. Brooke Deans
3. Matt Harlow
4. Brendan Souvenir
5. Mazen Aljawi

Instructor: Dr. Shrestha

Client: Dr. Maughan

Meeting start: 4:00 PM

Location: GJ 108

CURRENT BUSINESS

1. Electrical set up issues. Frayed wires on connector from cable strain. Linear voltage regulators fried from short. Must be fixed before can work on more code.
2. Brendan will get code done by Monday for Polymer testing. Appointment in Dr. Joyner's lab at 10:30am.
3. EXPO poster draft already being worked on. Christina will send Dev a draft for approval tomorrow and will add the testing data in on Monday morning for poster submittal on Tuesday.

Meeting Adjourned: 4:45 PM

NEUROTOUCH MEETING MINUTES

23 April 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Brooke Deans
3. Matt Harlow
4. Brendan Souvenir
5. Mazen Aljawi

Meeting start: 5:00 PM

Location: BEL 218

CURRENT BUSINESS

1. ADC's are heating up, not sure why. Paid for one day shipping of new ADC's and they still haven't come in.
2. Brendan going to be working on coding. Will pull data from each ADC at alternate time points.
 - a. Brendan should have all set up done ~2 days after ADC's come in.
 - b. Possibly need to order new Arduino because Arduino Uno might not be able to handle 2 SPI inputs?
3. Mazen made fresh polymer gels. Not sure if Brendan will have set up working to do polymer testing tomorrow
 - a. Christina will redesign entire poster to make it mechanically oriented in case of no luck with electrical system.
4. Christina brought new rod for the new design.
5. Brooke got specs and looked up spring to order tomorrow.
6. Matt finalizing transportation plate details

Meeting Adjourned: 6:30 PM

NEUROTOUCH MEETING MINUTES

26 April 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Brooke Deans
3. Matt Harlow
4. Brendan Souvenir

Meeting start: 3:30 PM

Location: BEL 218

CURRENT BUSINESS

1. ADC's got in yesterday, but both unresponsive. Lots of debugging been going on with hardware and lots more needed in software progress.
2. Brooke ordered brain mold for booth and spring for device yesterday.
3. Brooke is almost done with final model and will start 3D printing today.
4. Christina submitted poster yesterday.

Meeting Adjourned: 4:30 PM

NEUROTOUCH MEETING MINUTES

27 April 2017

Instructor Meeting

Attendance

Team

1. Christina Gibbs
2. Brooke Deans
3. Matt Harlow
4. Brendan Souvenir
5. Mazen Aljawi

Instructor: Dr. Shrestha

Meeting start: 3:30 PM

Location: BEL 218

CURRENT BUSINESS

1. Brooke is finishing 3D prints on new device and getting screws to fit it all together.
2. Mazen has brain mold, he will made a nice model for the expo booth.
3. Brendan's possible problems
 - a. Heat sink needed?
 - b. Wrong PCB designed?
 - c. New parts needed?
4. Matt putting together his transportation plate.
5. Mazen made brain mold for booth tomorrow.
6. Dev stopped by for a quick update.

Meeting Adjourned: 6:00 PM

NEUROTOUCH MEETING MINUTES

3 May 2017

Team Meeting

Attendance

Team

1. Christina Gibbs
2. Brooke Deans
3. Matt Harlow
4. Brendan Souvenir
5. Mazen Aljawi

Meeting start: 10:30 AM

Location: BEL 218

CURRENT BUSINESS

1. Yay EXPO is done! Congrats everyone. Mazen passed out our booth certificates
2. Christina went through report and sent out everyone's needed comments and changes. She will go through again later today- be on look out for texts with new changes.
3. Portfolio needs to be revamped. Christina and Brooke will go through tonight and let everyone know what needs to be done by Friday.
4. Matt is going to finish Wiki page.
5. Meeting tomorrow in conference room with Brendan-will be a code review.
 - a. Matt will notify clients and instructor.

Meeting Adjourned: 11:20 AM