

# Meeting Activity Log

15001

## Attendees:

- Adam Podolec: Electrical Engineer / Project Lead
- Megan Ehrhart: Senior Electrical Engineer
- Tyler Leichtenberger: Mechanical Engineer
- Noah Schadt: Mechanical Engineer / Team Facilitator
- Jared Green: Senior Mechanical Engineer
- Geni Giannotti: Biomedical Engineer / Treasurer

Current Meeting	Next Meeting
Location: MSD Area / BAD Lab	Location: BAD Lab
Start Time: 11:00am	Start Time: 12:45pm
End Time: 2:00pm	End Time: 2:00pm
Meeting Date: Thursday 10/30/14	Meeting Date: Monday 11/3/14

## Old Business Items:

-

## New Business Items:

-

## Items Left Outstanding:

- Will need a table of flow down from ER all the way to components (flow chart?)
- Ask Guide about what is expected for an assembly drawing
- Talk to guide about component housing

## Action items – Owners / Deadline:

- ❖ Team Tasks - All
  - Submit individual phase documents to guide with proper labeling
  - Keep track of action items from the review
- ❖ Adam Podolec
  - Prepare MSD II plan template for team to populate
  - Calling the solenoid company
  - Looking into power options
  - Purchasing Solenoid hardware
  - Long term
    - Bio
- ❖ Megan Ehrhart
  - Identify stairs
  - New schematic
  - Layout PCB/SD distance sensing function
  - Long term
    - LED
    - High limit test (distance sensing)
    - Order parts
    - Pass admin responsibilities to Adam
- ❖ Tyler Leichtenberger
  - Design attachment

# Meeting Activity Log

15001

- Muscle optimization
- Increase severity of fishing line risk
- Long term
- Color code risk table changes
- In Air flow test look at flow of air muscle
- ❖ Jared Green
  - PCB Sensors
  - SD card selection
  - Power source
  - Schematic for the PCB
  - MSD II project plan
  - Update Detailed design project plan on a weekly basis
  - Distance sensing
  - Long term
  -
- ❖ Geni Giannotti
  - Update drawings
  - Update BOM
  - Update Budget
  - Draft test plan
  - Long term
  -
- ❖ Noah Schadt
  - Test plan for strain test / add to prioritized tasks
  - Muscle optimization
  - Consider Permanent Elastic in front
  - Long term
  - Refine foot-lift model / report
  - Notes

## Meeting Notes:

- General announcements
  - Final exam week: Fri 12/12-Thurs 12/18
  - No exam for MSD
  - There will be gate review (approximately 1hr)
    - Scheduled at a mutually agreeable time
  - MSD II schedule:
    - Default is that we will be in the 8am section
  - Expectations for weeks 10-12 are on mycourses (slides and a video)
    - Watch video
  - All major Proof of Concepts should be completed by the end of this phase
- Guide said please don't take this the wrong way but 'I have nothing to say to you guys'
- Guide thinks we made it the happy land, **but warned we are just visitors**
- MechE's and EE's broke out into work groups

# Meeting Activity Log

15001

- MechE's continued Pugh analysis, and performed muscle optimization test
- Jared and Geni emailed gait specialist at Nazareth
- EE's conducted a small meeting
- Megan went into "coding mode"

Action Items					
Item #	Description	Responsible	Due Date	Close Date	Comments
A001	Consider Permanent Elastic in front	Noah & Tyler	11/11		By DDR
A002	Refine foot-lift model with angles	Noah	11/11		By DDR
A003	Consider not using a quick connect	Noah & Tyler	-		Gate Review
A004	BOM: add columns (vendor/shipping)	Geni	11/11		By DDR (long term)
A005	Look into downsizing electrical side	Megan	11/11		By DDR (long term)
A006	Add music to videos	Noah	-		(optional :)
A007	Color correlation on the M-opt plot	Noah	11/11		Make EGDE clearer
A008	Engineering metric for foot attachment	Geni	11/11		Need to quantify things
A009	Ask Dr. C about compression sleeves	Geni & Jared	11/11		Nazareth clinic
A010	Tweak/update sketched	Geni	11/11		GAD models
A011	Color code the risk table with changes	Tyler	11/11		Expect likelihood changes
A012	Test strain of fishing line	Noah	11/11		Hang weights on the line
A013	Increase severity of fishing line risk	Tyler	11/11		See other strain risk
A014	Move pressure alert priority down	Megan	11/11		On prioritized task list

Issues					
Item #	Description	Responsible	Open Date	Close Date	Comments
I001	The AFO could be slippery with socks	Geni	10/23		Relates to A009

Decisions				
Item #	Description	Contributing Individuals	Decision Date	Comments
D001	Testing comfort with different users	Geni - Tyler	10/23	This is an ongoing resolution
D002	Bring Upper-Lower attachment prototype	Geni - Tyler	10/23	Decided as goal for DDR