

Analysis of self critique

- Skills gap for EEs
- Planning and tracking needs to be kept up with (hence these notes)

Problem Tracking

- Uploaded copy of form that other groups are using to google Docs
- moved current problems into new format

BOM issues

Battery on BOM is not the same as what was used last year

- is SLA instead of Lithium Ion
- don't know if SLA will meet our needs
- need to know is charger compatible
- how many amps does the old battery draw under load.
- **NEED TO TEST OLD BATTERY WITH MULTIMETER**
- do we need another battery at all?

Lego part of tray needs to be rebuilt

Controller for Touch screen overlay is on backorder

- hold off on getting touch screen overlay & controller

Tray Assembly

- Go look thursday to see what needs to be done

We need to start building stuff

- plan for building (Schedule)
- plan for programming (schedule)

Building

- Thurs. 1/30 go look at tray see what needs to be rebuilt/made
- Have a tray prototype by Week 3
- Also be week 3
 - order battery Box by week 2

Battery Box

- Need completed CAD model (by 1/30-1/31)
 - needs rounding and air vents, gasket seating
- Unifab Rochester
 - 3-4 weeks building time after order
 - \$300 for quote
 - they can't do weather proofing
- they have our mock-up right now

Progress Made

1/29/14

- BOM was revisited
- Basic Schedules made

Battery Box

- CAD model is done, but for holes and slight finishing
- Yay Greg
- Top needs to hinge in model
- top hinges aren't attached in model

Ed's Email

- Team addressed the points brought up in Ed's email
 - 1) To be completed before Tuesday's meeting
 - i. Update EDGE with current deliverables
 - ii. Complete MSD I Post Mortem
 - iii. Update MSD II Plan (With Imagine RIT Shared Vision - use previous)
 - iv. Keep BOM up to date
 - v. Complete Problem Tracking (6 step method)
 - vi. Finish all Test Plan Templates
 - vii. Overall Project Progress Update
 - 2) End of the week deadlines
 - i. Update EDGE with ALL Phase 1 deliverables
 - ii. Each member shall work on his/her individual 3 week plan.
 - iii. Each member shall work on his/her individual Peer Assessment.

Progress Made

1/30/14

- Test Plans are well under way.
- Moved to new lab and organized working space.
- Found new materials for tray and materials for tests.
- Battery Box CAD file was finished.
- Schedules were refined.

2/6/14

Documentation updated per last meeting

Battery Box

- need a quote for 3rd party shop to make it
- need to add projected cost to make to BOM instead of materials cost
- Checking with machine shop for something
 - consulting with Rob from the machine shop
 - considering making it out of cut aluminum cut on waterjet
 - if using acrylic, use 1/2" pieces and glue (see WE@RIT sign in Erdle)
 - don't use silicone or screws
 - try anchoring bar on the crosspiece instead of just resting (LOL JK, bar moves)
 - flat aluminum shelf to stander, strap box onto bar (or clamps)
 - (1/16" shelf, and bracket)
 - Curbell, or in-house shop (aluminum is possible)
- would prefer off campus 3rd party to save time and make it more professional
- box has to get remodeled in any case
- Battery box mounting is challenging
- A shelf mounted only to the immovable (colored) part of the stander
- Redesign of CAD completed

BOM

- removed new battery and temperature switch from BOM
- parts arrived from digikey
- bluetooth is in the mail
- still need to talk to Dr. Day about new touch screen screen size and controller
 - talked to Dr. Day in the lab, go ahead with the new one
 - removed old TS parts and added the 3 new parts (screen controller and breakout)

Accelerometer testing

- It passed, under the conditions that ABS wouldnt be used

2/11/14

Electrical

- Issue with broken code going to meet with professor slack

BOX

- Curbell will be contact
- Unifab was updated
- Need to talk to dr day about aluminum
- Redesign of CAD
- Alex has connection for another potential builder- will contact

Tray

- New tslot needed
- order hinge

Design Competitions

- RESNA- not interest
- TI Innovation Challenge-researching
- Digikey Challenge- researching
 - <http://e2e.ti.com/group/universityprogram/w/contests/2114.innovation-challenge-north-america.aspx?DCMP=univ-tiic-en&HQS=univ-tiic-b-portal-en>
- Imagine RIT- Proposal to be completed this week