

Meeting #14 Agenda, 12/1/20

- Discuss Snapshot Day #2 this Friday
 - New Template?
 - What feedback did we receive last time/for client design review?
 - Project schedule detail
 - Project budget detail
 - Design Solution -> better representation and CAD files, holistic review of device plans
- Areas of improvement from Design Review
 - Project Learning
 - Design Solution
 - References
- Prototyping
 - Order 3 more solenoids, an additional MOSFET, and a toggle switch for solenoid activation
 - Fabricate new actuation key mechanism (STL file)
 - Fabricate handle testbed for proof of concept

Team Meeting #14 Minutes, 12/1/20

- Jett will invite Dr. Hiller to Snapshot Day #2 this Friday and include time/Zoom link
- Poster Roles
 - Objective- Maclean
 - Background- Maclean
 - ValueProp- Jett
 - Key Requirements- Jett
 - Concept Development- Lucas
 - Final Design-Lucas
 - Validation-Ryan
 - Summary, Conclusions, Recommendations- Ryan
 - Acknowledgements- All
- Jett will send his Arduino Code to Maclean to check on efficiency
- Lucas has updated the schedule for prototypes, and created several folders in the project portfolio
 - Project Learning
 - References
 - Etc.
- Ryan updated the budget
- Lucas will redesign a linear actuation fork and send to Jett for printing this weekend
 - Lucas will also send to Ryan for handle testbed incorporation
 - Parts will be scaled up as deemed necessary
- We ordered more MOSFET controllers(30A60V), 4 new solenoids, and toggle switches
 - Adafruit 412 Solenoids
- Action Items
 - Jett- Email Maclean IDE code, reach out to Dr. Hiller regarding Snapshot #2, print and assemble components and circuitry
 - Lucas- Incorporate sliding fork into linear actuation mechanism, send CAD files to Ryan

- Maclean- Check code with EE PhD student
- Ryan- Finish handle testbed with Lucas's input, send STL files to Jett for printing
- All- Snapshot Day Assignments (See Meeting #14 Notes)