

Meeting Minutes: 360 Designs

Call to order

A meeting of 360 Designs was held at the Engineering Design Suite on 9/17/2019. Attendees included Tanner Sloan, Jake Metter, Mark Jennings, Max, Philip, and Dr. Beyerlein.

Agenda

1. Call to Order
2. PowerPoint
 - a. Parts Update: Unitronics HMI+PLC, motors (3min) - Mark
 - b. Product Requirements Document (5min) - Mark
 - c. Programmable encoder display ideas from each student (10min) - All
 - d. Questions for Encoder Products Company (2 min) - Mark
 - e. Schedule (3min) - Mark
3. Future expectations, discussions (5min) - All

Reports

- Mark reviewed parts update with Trevin via phone during the meeting.
- No luck with donated motors yet. May need to buy motors, but be careful not to spend too much and cut in to our budget.
- Gave updated PRD to Trevin. We will be adding to and clarifying section 4.1 and section 5.3 when details become available.
- PLC HMI on the way.
- Trevin: industry applications of the 25SP: ink printing process (will forward to us) for specialty inkjet systems.

Unfinished business

- PRD has been drafted since last meeting and submitted to Trevin and Dr. Beyerlein.

New Business

- Trevin will review the current document and give suggestions shortly.

- Ideas for Programmable encoder:
 - Mark: “measure to cut” idea. Use a whiteboard and allow for programming of different sharpie lengths.
 - Tanner: rotational game. Less practical, more fun-oriented. Random generated number, time trial with the player. Dr. Beyerlein: roulette wheel
 - Jake: safecracker (would be near impossible to open the lock manually), highlights the high resolution of the encoders
- As a team: go with pros and cons, use to make a decision on which idea (or combination) to present to Trevin and Nick in a couple of weeks.
- Before decision can be made, we need to play around with encoder.
- Download the PLC HMI software from Unitronics before arrival. “get our feet wet”

Announcements

- Project schedule due 8th of October
- Logbooks due 10th of October
- First snapshot October 15
- Things from Trevin: texting between 7-3:30 is more efficient than emails, since he isn't always at his desk.

Adjournment

The meeting was adjourned.

Tanner Sloan - 10/3/2019

Secretary