**EE4953 – EE/CpE Capstone – Laser Show Team – Meeting Minutes**

**Location:** Senior Lab

**Date:** 23 February 2023

**Time:** 15:00 - 16:00 ET

**Attendance:** Drew Edmonds, Ian Gant, Dominic Benintendi

**Not Attending**: Aditya Sahi, Dan Allwine, Tianyi Cai (Absent due to prior commitment)

**Discussion:**

* New Hardware
  + Color Laser
    - Xcube
      * <https://www.amazon.com/Optical-X-Cube-Dispersion-Physics-Decoration/dp/B07XQZ7DPP/ref=sr_1_1?crid=1YM7IT2MWNL9M&keywords=xcube&qid=1677193242&sprefix=xcube%2Caps%2C190&sr=8-1>
    - 5mW
      * Red
      * Green (got)
      * Blue
    - 1mW
      * Red (got)
      * Green
      * Blue
    - Laser Lens
  + Audio
    - Amps, speakers
    - Teensy Audio Shield, Cheap
  + Controllers
    - Bluetooth Module for teensy
    - BMS chips
    - Two Energy management chips
  + Touchscreen
* Ac
* Action Points
  + Ian
    - Researching lenes
    - Working on sprites for gui
    - Parts lists
    - Fill budget
  + Dominic
    - Work on getting game library set up
    - Work on getting multiple lasers working
    - Look into serial input
    - Player Control class
    - ILDA Support
  + Drew
    - Get lcd and touchscreen working on the SPI BUS not being used by the dacs
    - Start creating LCD library