EE 41440

March 9, 2017 Agenda

Meeting Leader: Kyle

Overview:

* Demo:
  + Audio:
    - Hub can continuously listen for alarms
    - Hub will start recording sound when it hears a noise above a threshold volume
    - Hub will compare new sound with previously stored sounds and determine whether or not it is an alarm or not
  + Bluetooth Communication:
    - Wristband can receive Bluetooth messages about the type of alarm detected by the hub
  + LCD Display:
    - Uses SPI to display messages based upon data received by wristband
    - Therefore possible to connect everything else to I/O pin and the fuel gauge to I2C
  + Schematic for Wristband:
    - Functional schematic drawn out for wristband
  + Teaching Hub:
    - Keyboard GUI to interface with Hub