Light of the World

Altura, Appleton, Baur, Yurkovich

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Meeting Agenda – 1.28.13

Leader: Brian
Note Taker: Sean

- ❖ Individual accomplishments from past week
- ❖ Individual expectations for next week
- ❖ Open items:
    - o Look into Digilent p module wifi chip libraries
    - o Begin design of a breakout board for WiFi module testing?
    - o Begin assembling formal list of microcontroller requirements
        - ▪ Program memory? #I/O's? Clock speed? SPI? Timers?
        - ▪ Objections to PIC16F178X series?
    - o Begin devoting effort to system integration
        - ▪ Physical constraints, heatsinking, final packaging
    - o We must assemble a list of action items and due dates.
    - o Upcoming design review 1:
        - ▪ Demonstrate android user interface
        - ▪ Demonstrate WiFi communication between microcontroller and server
        - ▪ Demonstrate transformerless power supply for 3.3V electronics
        - ▪ Show significant progress toward a flyback or buck converter layout
- ❖ Upcoming deadlines
    - o Low Level Design and Design Review I -- Feb. 25-Mar. 1
    - o Design Review II -- prior to Apr. 1
    - o Pre-demo Demo -- Apr. 22-Apr. 26
    - o Demo and Documentation of Working Prototype -- May 3