Meeting Minutes (2/2/2015)

- Discussed the ADEC Visit: positive feedback on push buttons, mat for placement of ingredients; mixed feedback on the scale.
- Discussed the motor and it's apparent functions
- Discussed subsystems:
  - Karina: Microcontroller Update
    - Necessary I/O pins
    - Buttons/Interface – limitations? Tactile feedback vs LED power indicators, size of buttons, panel or board mounted buttons
    - Schafer has potential switches in his office
    - Progress Gauge (especially for scale): advanced graphic for better functionality?
    - Virtual Assistant: storing, recording, playing WAV files; need a structure for storage and recording. Recommended: CODEC, D/A converter.
    - Spilling Issue
  - Justin: Communications Update
    - Need IR Receiver and Transmitter ordered
    - Working on program
  - Matt: Motor update
    - ADEC revealed need for speeds 2-6
    - Safety Feature: turn off motor if signal hasn't been received in 10 seconds.
    - Motor Circuit has been drawn
  - Arnaud: Power Update
    - Consider: drilling a hole and mounting a wall wart or power jack.
    - Concerns for safety with transformerless power supply
    - Concerns of size
    - How long are we running the remote (to determine minimum battery lifetime) under normal use unplugged.
    - Indicate need for charge and predicting remaining battery life
    - Rechargeable batteries for both sides?
- Additional Discussion:
  - Purchases: Everything through Professor Schafer.
  - Microcontroller: Are the current ones overkill? (Consider: we could add memory, scale, the Virtual Assistant, advanced graphic on the progress gauge, multiple IR send and receive modules for better robustness at cost of extra I/O. Furthermore, if we switch to a smaller board it must either have IR encode/decode capabilities or have room to fit the extra I/O for an IR encoder/decoder)
  - Extra Kit boards are on hand if needed.