Design Set-up
Work Accomplished

- Corrected errors with the Hall Effect sensor circuit
- Added clamps and a sprout to the pump and performed trial runs.
- Completed LabView Programs for the Hall Effect circuit and the pump; and verified that they function properly.
- Sought advice for best plastic to use for building the set-up
Hall Effect Sensor

Block Diagram: Current Sinking or Sourcing Output

- Hall Sensor
- Amplifier
- Output (V+)
- Output (V-)

Dimensions:
- 4.06, 0.16
- 1.75, 0.07
- 3.0, 0.12
- 15.0, 0.59
- 3 x 0.76, 0.03 MAX
- 2 x 1.3, 0.05
- 3 x 0.4, 0.015
Saline Pump

Diagram showing:
- Nozzle
- Large tube
- Small tube
- Motorized pump
- Valve
- DAQ
LabView
Future Plans

- Ordering the plastic.
- Beginning to assemble the apparatus.
- Connecting the pump to LabView and troubleshooting.
- Obtaining a muscle and testing the device.
Budget
Hours Worked

- Roua: 12 hours
- Angela: 12 hours
- Mark: 12 hours