

# Low Cost Digital Thermometer and ECG

## Contact Person

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## Team

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## Week

March 26 to April 2, 2009

## Problem Statement

Emerging countries are in need of a durable, low-cost thermometer to operate with the MedCal, a handheld medical output device. The thermometer's incorporated circuitry should produce accurate temperature measurements through the use of a human interface.

## Last Week's Goals

- Begin assembly of the casing
- Decide on circuitry
- Build circuitry on prototyping board
- Begin testing/calibration of the circuit

## Accomplishments

- Researched materials for casing
- Accumulated and purchased various items
  - Plastics for casing
  - Cord covering
  - Insulator and conductor for probe
- Testing procedures
- Researched astable multivibrators

## This Week's Goals

- Build and test circuitry
- Build and test casing options
- Test options of insulator and epoxy

