CS 3500 Project Proposal

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Client: Dr. Kapenga

Abstract:

To build a web-based room temperature and humidity monitoring system. The web end will allow the user to login in and view room statistics, as well as set warnings on thresholds. The room will contain a RaspberryPi equipped with sensors which will use Ethernet to communicate to the web end and update information.

Resources:

RaspberryPi

Web Server to run web end for testing

A PowerOverEthernet splitter with DC output to power the Pi from a POE Ethernet port

Ownership:

Open Source with acknowledgement of original developing team. The Source will be freely available on Github with instructions for anyone to set it up.