

**California State University San Bernardino
School of Computer Science & Engineering
Masters Project Presentation**

Date/Time

March 24, 2015 (Tuesday)/11:00AM-12PM

Location

JBH 389/391

Topic

**A Web-Based Temperature Monitoring System
for the College of Arts and Letters**

Candidate

Rigoberto Solorio

Advisor

Dr. David Turner

Committee Members

Dr. Josephine Mendoza

Dr. Ernesto Gomez

Abstract

The server room for the College of Arts and Letters at California State University San Bernardino has faced power failures that affected the air conditioning unit, resulting in overheating for extended periods of time and causing hardware failure to server units. This is why this project is important for the College and needs to be implemented as soon as possible.

The purpose of the Web-Based Temperature Monitoring System for the College of Arts and Letters proposed in this project is to allow users to monitor the server room temperature through a website by using any computer or mobile device that has Internet access. This system notifies users when the room attains a critical temperature by sending an email/text to the server room administrator. This system is for the exclusive use of the College of Arts and Letters.

This project was implemented in three stages, each resulting in a runnable prototype. The first prototype measured the current server room temperature. The second prototype displayed the temperature history of the room. The third prototype enabled users to access historical temperature data for different time and date ranges.