

Power and Temperature Monitoring

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Abstract: The purpose of this project was to create a monitoring system for the labs of a specific campus, which includes ten buildings, each containing multiple labs. The design and implementation of a network and webpage can provide employees of a company with a better way to monitor power and temperature throughout this campus. The goal was to provide sensors for each of the labs in these buildings, which monitor power, throughout the necessary location, and then provide an effective way of presenting the data those sensors receive. The project required the installation of sensors in thirty-one labs. Some of these labs required multiple sensors for monitoring larger servers. The result enables easy investigation of spikes in power and temperature throughout the labs, and provides a screen to output that data in a clear and concise format.

Keywords: monitoring, efficiency, power, temperature

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