**IoT Automatic Alert System Using Arduino**

![IoT logo](image)

**What is it?**

The Arduino is a popular electronics microcontroller platform that makes projects easy. For I will be using it in this project to perform several tasks at once. My system will read the environmental temperature, and utilize an Ethernet shield with a physical connection to send an alert email out when the temperature is too hot.

**What is the Internet of Things?**

The Internet of Things is the next wave of technological innovation that is facing the world. Devices will be equipped with sensors and build a huge database of information that pertains to the world around them. These devices will use machine-to-machine communication to exchange information with each other without human interaction. Using systems like these, we can completely automate tasks that we never thought would be possible.

This alert system is the simplest example of an IoT system. After being initialized and connected to a power source, the Arduino will be able to perform its duties without a human touch. This system has proved reliable and could be useful in many situations.

**Fields of Study**

- Computer Science
- Networking
- Electricity & Electronics