## Abstract

Heatstroke is a condition caused by the body's temperature being too high. It occurs when the body temperature reaches 40 degrees Celsius or more and usually occurs in the summer or in areas with high relative humidity in the air. It is considered one of the most serious medical emergencies. It can cause harm to vital organs such as the brain, heart, lungs, kidneys, and muscles. This is because there is no notification tool which can lead to death.

This project therefore had the idea to create a heatstroke monitoring and warning system that consists of a website using Django framework and IoT device, where the device consists of a microcontroller, infrared temperature sensor, temperature and humidity sensor, Heart Rate Sensor, and Buzzer to keep track of the body temperature Ambient temperature relative humidity and heart rate to use all this information to calculate the risk of heatstroke and notify users then store information in a database on the website so that those who are interested can analyze and use the information.

**Keyword:** Heatstroke, IoT, Sensor