ABSTRACT

The human body has a temperature buffer system, which can keep the body temperature in a thermonetral state (36.5˚C - 37.5˚C) a condition that body temperature drops below 35 degrees Celsius is called hypothermia, caused by many things one extreme cold. With the need for effective hypothermia prevention, an Arduino-based hypothermia detection system has been developed as an early warning system. Integration of mlx90614 temperature sensor and Pulse sensor in attractive design and quite effective. If the ambient temperature is below the setting point, the feature will be active and give a warning to the user.

Keywords: *Hypotermia, MLX90614 temperature Sensor, Pulse Sensor.*