**DESCRIPTION**

**Aim:** To monitor the heat waves in an area.

**Hardware:** Interfacing Node MCU, INA219 and Solar cell.

High temperatures can not only cause serious health problems, it can also cause major problems in data centers, restaurants, greenhouses, and more. By monitoring heat waves we can overcome such problems.

The Solar cells placed will measure the degree of temperature in that area, the readings obtained are the data values which will be used to predict the heat waves in the area.

These predictions will help in knowing the power consumption in advance which would keep the demand on expected lines so that power utilities are prepared to take maximum load without considerable load shedding.

Not only this, but it would give a heads up on the level of water consumption.

All such necessities of the public can be predicted according to the intensity of the heat wave in their area.