

ABSTRACT

A lakhs of people are dying due to a natural disaster called lightning strike. The lightning strike is a massive electrical discharge between the atmosphere and earth bound object. A lightning can heat the surrounding air to 50,000 degree Fahrenheit and can contain up to 300kv of energy. Moreover people do die from a lightning strikes. It also leads to memory loss, severe headache, blow out eardrums, constant muscle twitches and severe nerve damage. Currently Vajrapaat app has been developed in order to customize regionally to provide advance alerts about lightening and strikes to the people. As it's of cost effective and complex. Less accurate.

In such a situation “lightning detection” comes in to picture. Which provides advance alerts about lightning and strikes to the people by website and alert sms to respective numbers to the villagers. Along with that it providing whether condition information through lcd display and that information has been uploaded to IoT platform. That information can be accessed from any where it's of less cost and accurate. By implementation of this system we can able to alert a people from lightning strikes. If we provide weather information they can able to know environment is runny or sunny etc. Due to this system lakhs of people we can save if this system will be installed in a village.