

## ABSTRACT

### Raspberry Pi based Weather Reporting Over IOT

#### Team members:

Akash S, Nityasree G C, Raahul P S, Ragavi R

This abstract is all about the project idea for weather reporting over IOT (Internet of Things). Our team has given the brief explanation about this project in ppt. Our output of this project idea can be used to monitor and update weather conditions over the internet. This system monitors 3 parameters namely temperature, humidity and rainfall these values are then displayed on LCD and also updated over the IoT gecko. By readings, the user can get a fair idea of the weather of a particular area on the monitor. This system proves to be useful for knowing the weather of the localized area. The system is powered by Raspberry Pi it includes a raindrop sensor, a temperature sensor, LCD and a buzzer. After turning the system on, the system gets connected to the website by using WIFI. The system keeps track of 3 parameters like temperature, humidity, and rain. As the weather changes the system to monitor and updates the status over the IOT when the area is dry it shows zero value. When the system detects raindrop, it shows the value of the increase in rainfall. When the temperature increases the value gets updated. The user can observe the weather status of a particular area from any remote location.