

IOT Based Whether Monitoring System using PIC Microcontroller

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Abstract: *A weather station is a technology that collects data related to the weather & environment using different electronics sensors. There are two types of weather station, one who is having their sensors and the second type of weather station is where we pull data from the weather station servers. In this project, we are designed by our weather station. We all know that a weather station is not a single device, but it is a combination of many small tools to form a larger system. It contains various sensors and gadgets that work together but in specific ways to transmit proper and accurate data of the weather parameters. It is quite tricky to uses of Webserver based weather station to non-technical peoples, so we are providing web server-based user interface as well as Webpage application. We are well known today most mobile units running on Android OS, and many people are well known to use the android phone. So, our application is beneficial for such purpose This device is all about IoT based Live Weather data Monitoring Using controller. We will interface DHT11 Humidity & Temperature Sensor, LDR, BMP280 Barometric Pressure Sensor and FC37 Rain Sensor with controller wi-fi Module.*

Keywords: Whether Monitoring, Sensors, IOT web Server, Microcontroller

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