

# IoT WEATHER MONITORING SYSTEM

## ABSTRACT

Weather monitoring is a systematic method that gives us detailed information about the weather of our surrounding environment. This device basically monitors the different weather parameters such as temperature, humidity, and rain. The heart of the device is Node MCU . In this paper, three sensors are used namely temperature and humidity sensor (DHT11) and rain sensors have been used, which is connected to Node MCU. When the code is uploaded on Arduino IDE, the board is connected and the sensors start working. The system proposed for monitoring weather conditions in a particular place like temperature, humidity sensors detect changes in environment and send it to the users for making statistical analysis, IoT is the technology used for monitoring, collecting, controlling and connecting the system to worldwide, which is the more efficient and advanced solution for accessing the information in the world. The system makes use of sensors and other electronic components for the monitoring of weather parameters.

## BLOCK DIAGRAM

