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Real-Time Cloud based Weather Monitoring System

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Abstract

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Abstract:

IoT is an emerging technology in today's world. Things are widely used for collecting and storing the data from sensors to the cloud. Weather parameters can be easily accessed remotely using IoT applications. This is an IoT based system to collect the real-time weather parameters and store the data to the cloud platform. The collected data is displayed through the webpage. The stored data is of great advantage where weather forecasting is required. The weather parameter includes temperature, humidity, dew point, light intensity, air pressure, precipitation, and smoke percentage. The NodeMCU is used as an MQTT client to transfer the sensed data to the Thingspeak cloud platform.

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