Smart farmer - IoT Enabled Smart Farming Application SOLUTION ARCHITECTURE

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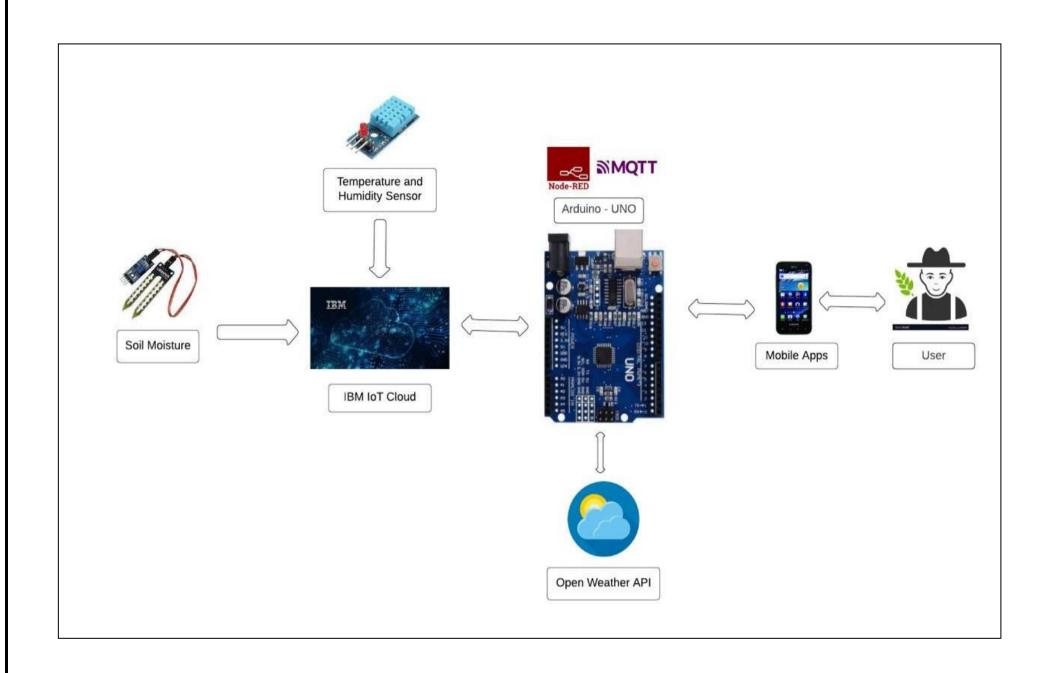
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- * The different soil parameters (temperature, humidity, Soil Moisture) are sensed using different sensors, and the obtained value is stored in the IBM cloud.
- * Arduino UNO is used as a processing unit that processes the data obtained from sensors and weather data from weather API.
- * Node-red is used as a programming tool to wire the hardware, software, and APIs. The MQTT protocol is followed for communication.

* All the collected data are provided to the user through a mobile application that was developed using the MIT app inventor. The user could make a decision through an app, whether to water the crop or not depending upon the sensor values. By using the app they can remotely operate the motor switch.