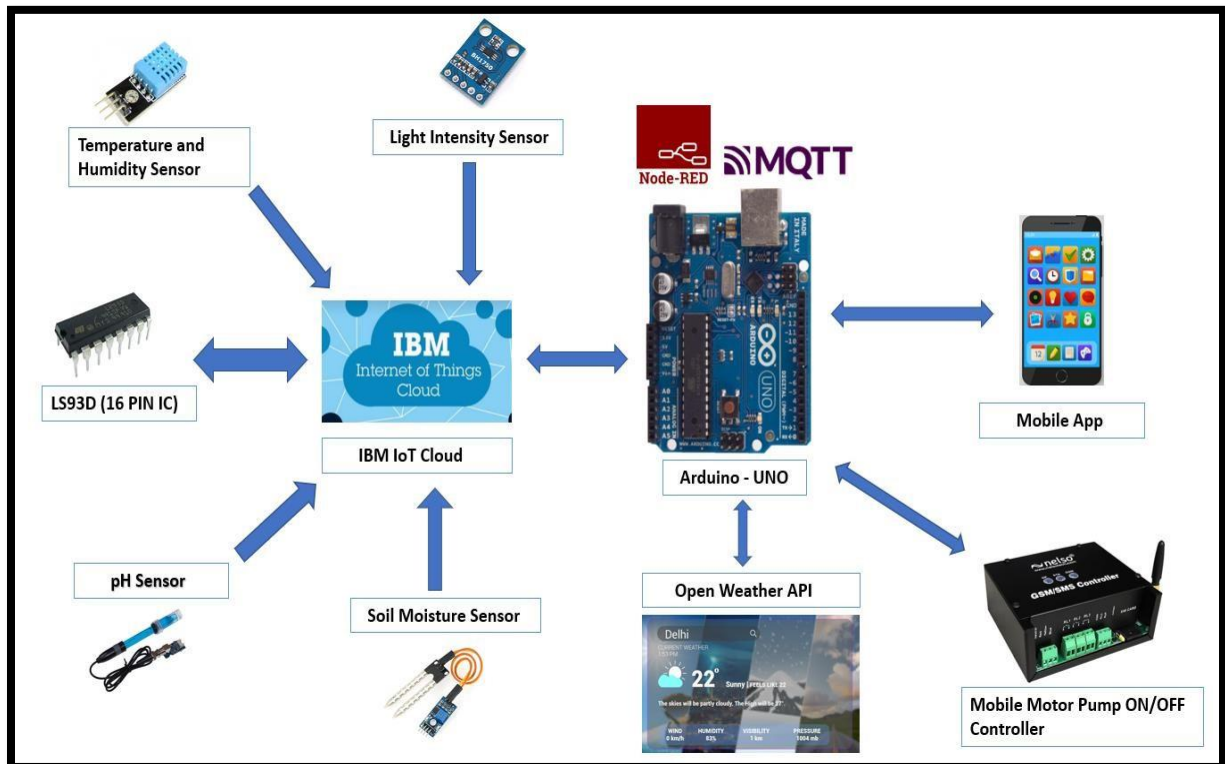


Solution Architecture:

Date	18 September 2022
Team ID	PNT2022TMID24163
Project Name	IoT based smart crop protection system for agriculture
Maximum Marks	4 Marks



Key points:

- **The different soil parameters (temperature, humidity, light intensity, pH level) are sensed using different sensors and the obtained value is stored in IBM cloud.**
- **Arduino uno is used as a processing unit which 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 which was developed. Depending upon the sensor values, Mobile Motor Pump controller waters the crop.**