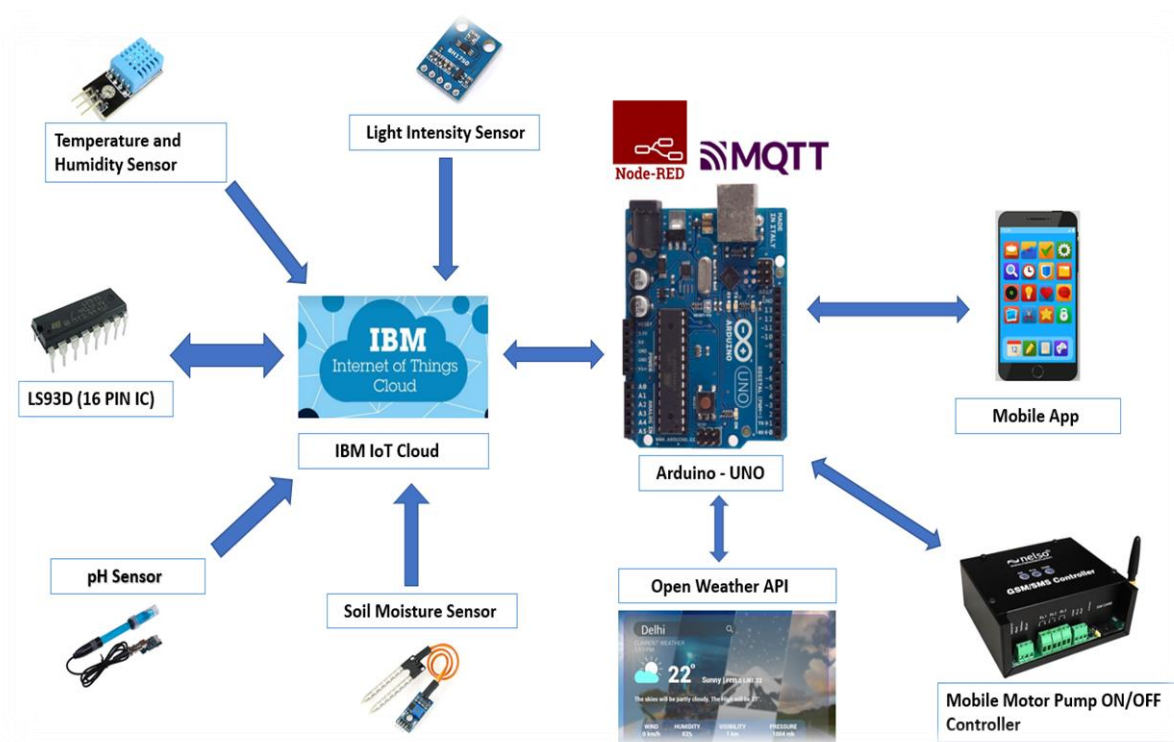


SOLUTION ARCHITECTURE:

Date	30 September 2022
Team ID	PNT2022TMID04613
Project Name	IoT based smart crop protection system for agriculture
Maximum Marks	4 Marks



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.