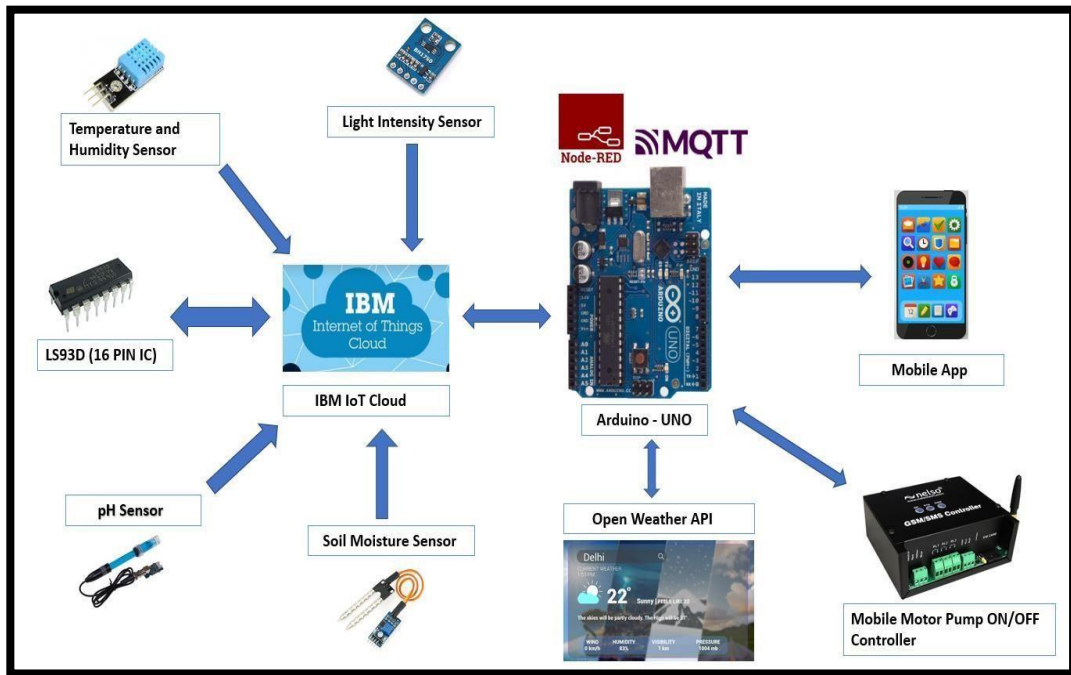


## Solution Architecture:

Date	18 September 2022
Team ID	PNT2022MID24163
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.***