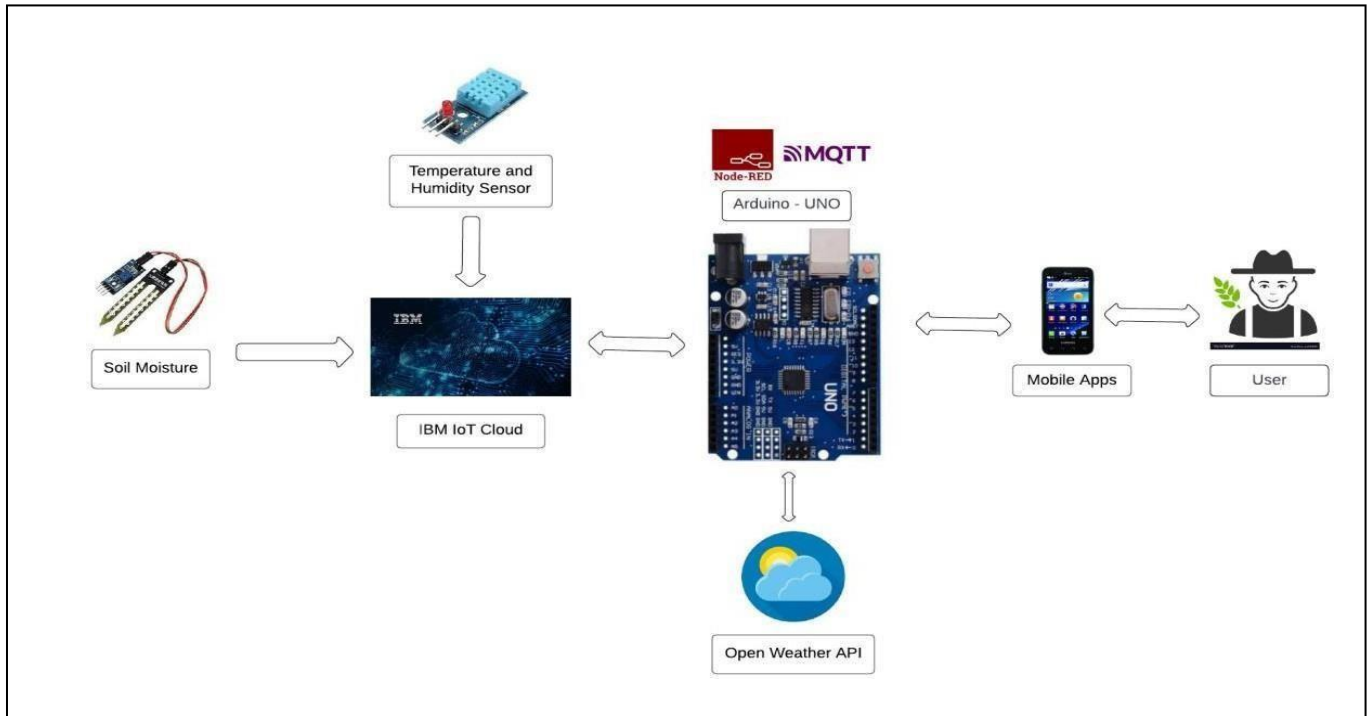


Project Design Phase - I

Solution Architecture

Date	11 October 2022
Team ID	PNT2022TMID54368
Project Name	Smart Farmer-IoT Enabled Smart Farming Application
Maximum Marks	4 Marks



- ❖ Different sensors are used to measure the various soil characteristics (temperature, humidity, and soil moisture), and the results are saved in the IBM Cloud.
- ❖ The data from sensors and weather data from the weather API are processed using an Arduino UNO as a processing unit.
- ❖ Node-RED is employed as a programming tool to connect the APIs, hardware, and software. It uses the MQTT protocol for communication.