

## PROJECT DESIGN PHASE-II

### TECHNOLOGY ARCHITECTURE

**PROJECT TITLE :** SmartFarmer - IoT Enabled Smart Farming Application

**TEAM ID:** PNT2022MID32489

The Below diagram depicts the Technology Architecture of the system. Node mcu is used as microcontroller. Advantage of Node mcu over Arduino is Node mcu has an Inbuilt wifi. DHT11 sensor is used for sensing temperature and humidity. Soil Moisture Sensor is used for sensing soil moisture content. The sensor data will be sent to cloud by using wifi. From cloud the data will be retrieved in web and mobile application. The user can monitor the sensor data in that application. The user can also control the water pump on/off using that application.

