

PROJECT DESIGN PHASE – I

SOLUTION ARCHITECTURE

Date	28 September 2022
Team ID	PNT2022TMID07205
Project Name	Project – SMART FARMER (IoT Enabled Smart Farming Application)
Maximum Marks	2 Marks

PROBLEM SOLUTION:

The main aim of the project is to help farmers by providing them with a web or mobile application. By using the application farmer can monitor all the parameters of the field such as temperature, humidity, soil moisture, etc...And even they can be able to control the equipment the fields like water motors and other devices remotely via internet. Smart Farming Application System can monitor soil moisture and climatic conditions to grow and yield a good crop. This can also get the real time weather forecasting data by using external platforms like Open Weather API. Farmer will be provided a mobile app or a web app which is used to monitor the farming field parameters. Based on all parameter, farmer can water his crop by controlling the motor using the application. Even in the absence of farmer near the field, Farmer can able to monitor the field using the application from anywhere.

ARCHITECTURE DIAGRAM OF THE PROPOSED SOLUTION:

