

**Project Design Phase-I**  
**Solution Architecture**

Date	26 October 2022
Team ID	PNT2022TMID16870
Project Name	Project - Smart farmer - IoT enabled smart Farming Application
Maximum Marks	4 Marks

**Solution Architecture:**

- To facilitate the ability of the farmer to increase productivity by effectively managing the resources and obtaining a greater harvest with the aid of the Internet of Things and AI/ML.
- By incorporating IoT sensors, including those needed for the automation process, such as moisture, temperature, light-dependent resistor, humidity, and air quality.
- The system has a special algorithm that compares sensor data in addition and adjusts the watering, usage of fertilizers and ventilation system as necessary.
- Real-time data are statistical measures that can be displayed graphically and provide a clear report on the cultivation.

**Example - Solution Architecture Diagram:**

