

Project Design Phase-I Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID18233
Project Name	Smart Farmer
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Design IoT-based agriculture system helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors.
- Farmers can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field. Watering the crop is one of the important tasks for the farmers.
- They can make the decision whether to water the crop or postpone it by monitoring the sensor parameters and controlling the motor pumps from the mobile application itself.

Example - Solution Architecture Diagram:

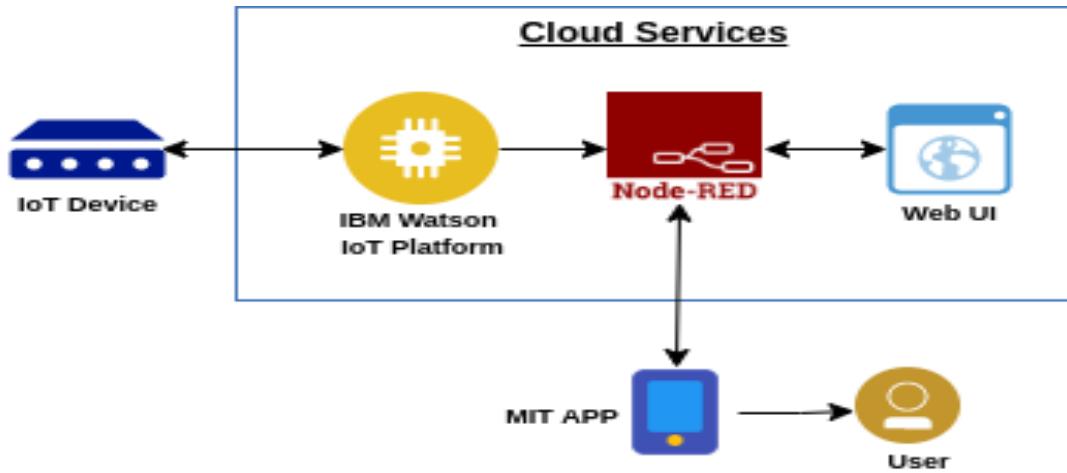


Figure 1: Architecture and data flow of the IoT Enabled Smart Farming Application

