Project Design Phase-I Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID41287
Project Name	Smart Farmers IOT enabled Smart Farming
Maximum Marks	4 Marks

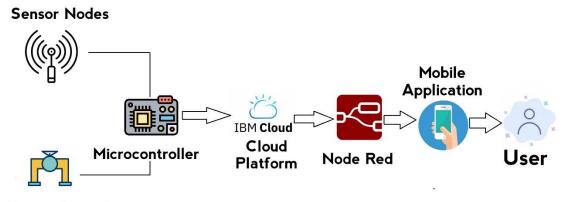
Solution Architecture:

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

Its goals are to:

- 1. Multiple Sensor nodes to read Parameters of the Field
- IOT Enabled Microprocessor/Microcontroller board to read Sensor values and push data to cloud
- 3. Motor Controller (Solenoid Valve) connected with board
- 4. Mobile Application to view the Sensor Values in real time and to control Motor
- 5. Weather Forecast and Irrigation suggestion tools in the application

Example - Solution Architecture Diagram:



Pump Control