

**Project Design Phase-I**  
**Proposed Solution**

Date	19 September 2022
Project Name	Smart Farmers-IOT based Smart Farming

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To Build a IOT based Smart Farming System. Monitor the parameters like Soil Moisture Temperature, Humidity using Sensors. Enable the parameters to be viewed by Farmers on Mobile application or Web make a Pump control
2.	Idea / Solution description	Collect Parameters through sensors and upload it to cloud and to display Parameters on App. Have a Motor Control in the App and to give Suggestion to the Farmers. Add Weather Monitoring system, Next Crop suggestion, Parameter level Suggestion, Fertilizer Level Suggestion.
3.	Novelty / Uniqueness	Combined System to monitor parameter, Controlling pump and Farmers Guide Multiple Sensors to have a Accurate value
4.	Social Impact / Customer Satisfaction	Reduce burden of Farmers Farmers will have Better Knowledge about their fields
5.	Business Model (Revenue Model)	END CUSTOMERS-Farmers/Agriculture based companies  Profit is through Selling the System to users and Through the Maintenance Cost
6.	Scalability of the Solution	Can be extended to next level through it can be implemented by everyone who have small fields/Gardens in their home. Can be developed for Scientific Analysis and Complete monitoring of a plant. Can be specifically developed for different Situations