Project Design Phase-I
Proposed Solution

Date	22 September 2022
Team ID	PNT2022TMID34458
Project Name	Project – Smart Farmer-IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	IoT-based agriculture system helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors to reduce man work.
2.	Idea / Solution description	Farmers can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field. By this way it makes the farming more effective and easy to work.
3.	Novelty / Uniqueness	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.
4.	Social Impact / Customer Satisfaction	By using this kind of sensors and advanced technology we can produce more yield without effective man work. It makes the goods with high yield and thus satisfaction to the customers.
5.	Business Model (Revenue Model)	As per business model it reduces the man work and provides better yield with advanced sensors and thus it gains more profit.
6.	Scalability of the Solution	Scalability is another requirement that should be considered while designing a smart farming platform. Scalability in smart farming refers to the adaptability of a system to increase the capacity, for example, the number of technology devices such as sensors and actuators.