Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID26062
Project Name	Project - SmartFarmer - 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)	The farming industry faces a lot many problems and including inadequate yield and improper method of farming and in many cases, uncontrollability of the situation like the climatic conditions, also the presence of the farmer is important in the traditional method of farming(For example: drought and irrigation plays an important role in farming)
2.	Idea / Solution description	Smart farming practices provide an integrated Internet of things platform in agriculture which allows farmers to install sensors, automated gateways, and monitoring systems to collect information, control various parameters with analyzing the real-time data in order to make relevant decisions
3.	Novelty / Uniqueness	Several types of research have been made on smart farming using the Internet of things in agriculture. But, still, there is a queue of hurdles and challenges for an effective solution. This study makes some efforts to improvise the research and overcome the challenges faced in IoT-based smart farming.
4.	Social Impact / Customer Satisfaction	Saves time and money invested in the labor work. Improvises the CRM (customer relationship management) by increasing the satisfaction level and overall experience of the customer
5.	Business Model (Revenue Model)	An affordable fee is collected and also different payment methods can be implemented for exchange of the service provided. Warranty and licensing can be implemented.
6.	Scalability of the Solution	Scalability includes the number of system parts required to accomplish the smart farming methodology for different sizes and structures of the farming land.(It includes the sensors/motors/network connection ...etc)