Project Design Phase-I
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID33523
Project Name	Project – Smart Farmer - IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution Template:

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Farmers are under pressure to produce more food and use less energy and water in the process.
2.	Idea / Solution description	A remote monitoring and control system will help farmers deal effectively with these pressure.
3.	Novelty / Uniqueness	Smart Farming majorly depends on IoT thus eliminating the need of physical work of farmers and growers and thus increasing the productivity in every possible manner.
4.	Social Impact / Customer Satisfaction	Internet of Things in Agriculture has not only saved the time of the farmers but has also reduced the extravagant use of resources such as Water and Electricity. It keeps various factors like humidity, temperature, soil etc. under check and gives a crystal clear real-time observation.
5.	Business Model (Revenue Model)	The smart farming devices designed in such a way that should be profitable compared to traditional farming methods and the device should be reusable . The cost of the devices should be less compared to cost required for traditional farming. Hence the product must be profitable it does not make losses in any cases
6.	Scalability of the Solution	This has helped bridge the gap between production and quality and quantity yield. The data analytics helps in the analysis of weather conditions, livestock conditions, and crop conditions.