Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID18911
Project Name	Project - **SmartFarmer - IoT Enabled Smart Farming Application**
Maximum Marks	2 Marks

Proposed Solution Template:

Smart Farming solutions provide an integrated IOT platform in agriculture that allows farmers to leverage sensor , smart gateways and monitoring systems to collect information , control various parameters on their farms and analyse real-time data in order to make informed decisions.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To provide efficient decision support system using wireless sensor network which handle different activities of farm and gives useful information related to farm field to farmer
2.	Idea / Solution description	Smart Farming solutions provide an integrated IOT platform in agriculture that allows farmers to leverage sensor , smart gateways and monitoring systems to collect information , control various parameters on their farms and analyse real-time data in order to make informed decisions
3.	Novelty / Uniqueness	It is based on four domains namely monitoring ,control ,prediction and logic.
4.	Social Impact / Customer Satisfaction	Conservation of water, Better crop yield, Pollution prevention, Time efficiency ,accurate diagnosis of nutrient deficiency
5.	Business Model (Revenue Model)	Smart farming which involves the application of sensor and automated irrigation practices can help monitor land , temperature , soil moisture
6.	Scalability of the Solution	Using of number of sensor and the actuators enables us timely analysis.