Project Design Phase-I
Proposed Solution

Date	1 November 2022
Team ID	PNT2022TMID22889
Project Name	Smart Farmer - IoT Enabled Smart Farming Application.
Maximum Marks	2 Marks

Proposed Solution

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. A remote monitoring and control system will help farmers deal effectively with these pressures.
2.	Idea / Solution description	New technologies were used to monitor temperature, humidity and all other natural calamities.
3.	Novelty / Uniqueness	IoT sensors were used in measuring volumetric water content, soil oxygen level, soil water potential and to measure soil temperature.
4.	Social Impact / Customer Satisfaction	Smart farming reduces wastage of crops, increases the productivity of grains that leads to more gain and enable management of a greater number of resources through remote sensing.
5.	Business Model (Revenue Model)	As the productivity increases the customers satisfaction also increases and this may lead more need for many applications hence the revenue also increases.
6.	Scalability of the Solution	This is more scalable because of the adaptability of a system to increase the capacity.