Project Design Phase-I
Proposed Solution

Date	10 October 2022
Team ID	PNT2022TMID02873
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)	To supply efficient selection assist machine using wireless sensors network which handle different activities of farm and offers useful records related to soil moisture, temperature and Humidity content.Due to the climate condition,water level increasing Farmers get lot of distractions which is not good for Agriculture.
2.	Idea / Solution description	It is a community of extraordinary units which make a self-configuring network. The new tendencies of Smart Farming with use of IoT, by day turning the face of conventional agriculture methods via now not solely making it most desirable however additionally making it price environment friendly for farmers and reducing crop wastage.
3.	Novelty / Uniqueness	IoT based Smart Farming improves the entire Agriculture system by monitoring the field in real-time.With the help of sensors and inter-connectivity, the 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.
4.	Social Impact / Customer Satisfaction	Smart farming, the dependency on manual labor has reduced significantly. The processes like pest control, fertilizing, and irrigation are increasingly becoming automated, and farmers can control them remotely. The use of smart IoT sensors can maintain these processes, increasing crop production.
5.	Business Model (Revenue Model)	It is trying to execute this technique as we need to introduce an Arduino gadget which was modified with an Arduino that takes received signals from sensors. Easy interoperability and maintenance. Required low time for maintain. Cost is reasonable.
6.	Scalability of the Solution	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 while enabling time analysis