Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID24462
Project Name	Project – Smart Farmer-IOT Enabled Smart Application
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To provide an effective decision support system employing a wireless sensor network that manages various agricultural activities and provides pertinent farm information on temperature, humidity, and soil moisture content. The weather is to blame for the rising water level. There are many distractions for farmers, which is bad for agriculture.
2.	Idea / Solution description	Solutions for Smart Agricultural Systems offer an integrated IOT platform in the agricultural sector that enables farmers to use sensors, smart gateways, and monitoring systems to gather data, manage numerous farm characteristics, and analyse real-time data to make educated decisions.
3.	Novelty / Uniqueness	The use of IOT principles in agriculture has been the focus of several prominent researchers working toward smart farming. But there are still a number of difficulties that have not yet found an appropriate solution. This study attempts to highlight prior work and unresolved issues in IOT-based agriculture.
4.	Social Impact / Customer Satisfaction	Decreases the pay for workers who are employed in the agricultural sector. It helps people to save lots of time. By enriching the customer experience overall, and also IOT can help strengthen customer relationships.
5.	Business Model (Revenue Model)	Farmers are charged a monthly subscription for the prediction and recommendation of irrigation scheduling based on sensor metrics such as temperature, humidity, and soil moisture.
6.	Scalability of the Solution	Scalability in smart farming refers to a system's ability to expand its capacity, such as the number of technological components like sensors and actuators, while enabling for quick analysis.