PROJECT DESIGN PHASE-I

PROPOSED SOLUTION

DATE	08-10-2022
TEAM ID	PNT2022TMID18947
PROJECT NAME	SmartFarmer - IOT Enabled Smart Farming Application
MAXIMUM MARKS	2Marks

S.NO	PARAMETERS	DESCRIPTION
1.	Problem Statement (Problem to be solved)	Farmers need to know when to irrigate since due to varying weather conditions like soil moisture, humidity and temperature.
2.	Idea / Solution description	So, to solve this problem, we can use sensors to monitor soil moisture, humidity and temperature efficiently.
3.	Novelty / Uniqueness	Digital soil maps, agriculture drone technology, improving water efficiency through sun light
4.	Social Impact / Customer Satisfaction	Number of workers can be reduce, cost of business reduce, more complex task can be done easily
5.	Business Model (Revenue Model)	In IoT-based smart farming a system is built for monitoring the crop field with the help of sensor(light,humidity,temperature,soil moisture etc.,) and automating the irrigation system. The farmers can monitor the field conditions from anywhere
6.	Scalability of the Solution	Using mobile device allows for flexible work and increase elevate crop standard and reduce risk and monitor climate conditions