PROJECT DESIGN PHASE - I

PROPOSED SOLUTION

Date	17/10/2022
Team Id	PNT2022TMID25756
Project Name	Smart Farmer-IOT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution Template:

s.no	Parameter	Description
1.	Problem statement (Problem to be solved)	For agriculture water consumption is more than rainfall every year. Smart farming is needed to optimize water use for agricultural crops. The technique can be used for application of accurate amount of water.By forming sensor network, good monitoring of water regulation in the agriculture field can be achieved. Advanced tools and technology can be used to protect the crops from fire accident..
2.	Idea/ Solution description	The system is a combination of hardware and software components. The hardware part consists of embedded system and software is

		the webpage designed using Blynk. The webpage is hosted online and consists of a database in which readings from sensors are inserted using the hardware
3.	Novelty/Uniqueness	Lots of new research in terms of smart IOT based products to facilitate smart farming in terms of pest management .It is developed for monitoring of pesticides level through sensors
4.	Social Impact/customer satisfaction	Improving productivity , protection of crop losses, Decreasing water usage and protect crops from fire accident
5	Business model (Revenue model)	The project involves Thermography sensors which is cheaper than the existing ideas
6.	Scalability of the solution	Based on all the inputs from the system ,it recommends the good farming system.