PROJECT DESIGN PHASE - I

PROPOSED SOLUTION TEMPLATE

Date	31 October 2022
Team ID	PNT2022TMID22894
Project name	Project-Smart Farmer-IoT enabled smart farming application.
Marks	2 Marks

Proposed Solution Template:

S.NO	Parameter	Description
1.	Problem Statement (Problem to be solved)	Feeding a growing population, providing a livelihood for farmers, and protecting the environment. To increase production quality and quantity using IoT.
2.	Idea / Solution description	Use modern technologies to monitor the temperature, climate changes and soil moisture control.
3.	Novelty / Uniqueness	IoT sensors can measure soil temperature, volumetric water content, photosynthetic radiation, soil water potential and soil oxygen levels.
4.	Social Impact / Customer Satisfaction	Smart farming systems reduce waste, improve productivity and enable management of a greater number of resources through remote sensing.
5.	Business Model (Revenue Model)	As the productivity increases, the customer satisfaction also increases and it leads need for many applications so the revenue also increases.
6.	Scalability of the Solution	It is scalable because of the adaptability of a system to increase the capacity.