

PROJECT DESIGN PHASE-1

PROPOSED SOLUTION TEMPLATE

Date	1 November 2022
Team ID	PNT2022TMID22879
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)	To increase production quality and quantity using IoT. Feeding a growing population, providing a livelihood for farmers, and protecting the environment.
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 improve productivity and enable management of a greater number of resources through remote sensing and reduce waste.
5.	Business Model (Revenue Model)	Farmers may easily get information about light, temperature, soil moisture, crop health etc., with the help of sensors. So the revenue increases.
6.	Scalability of the Solution	It is scalable because of the adaptability of a system to increase the capacity