

PROJECT DESIGN PHASE-I
PROPOSED SOLUTION TEMPLATE

Date	1 November 2022
Team ID	PNT2022TMID22860
Project name	IOT based crop protection system for agriculture
Mark	2 marks

PROPOSED SOLUTION TEMPLATE:

S.NO	PARAMETER	DESCRIPTION
1	Problem Statement (Problem to be solved)	Increase the crop production and save the crops from the animals and birds
2	Idea/Solution description	Using modern technologies to monitor temperature ,soil moisture and to save crops
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)	By protecting the crops 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.