

Project Design Phase-I Proposed Solution Template

Date	01 October 2022
Team ID	PNT2022TMID10957
Project Name	Project - IoT Based Smart Crop Protection System for Agriculture.
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
•	Problem Statement (Problem to be solved)	An intelligent crop protection system helps the farmers in protecting the crop from the animals and birds which destroy the crop. This system also helps farmers to monitor the soil moisture levels in the field and also the temperature and humidity values near the field. The motors and sprinklers in the field can be controlled using the mobile application.
•	Idea / Solution description	This System assists Farmer to monitor crops with the help of Humidity sensor, Moisture sensor, Airflow sensor and to spray water,if needed.
•	Novelty / Uniqueness	This smart crop Protection system uses Cloud DB Data to store the information about crops with the Help of GPS technology ,That Notifies the owner 24/7 without their physical presence.
•	Social Impact / Customer Satisfaction	The smart Sytem not only helps in higher yieldings but also helps to perform the task effeciently in a eco friendly Manner.
•	Business Model (Revenue Model)	Since the proposed model uses only required amount of water, This tackles water scarcity problem, And Uses less electricity to yield better production in low cost.
•	Scalability of the Solution	Smart farming system allows farmers to earn high profits with fully automatic ,Limited resources.