

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID52099
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
1.	Problem Statement (Problem to be solved)	Usually crops in the fields are protected against birds and other unknown disturbances by human .this take an enormous amount of time. Creating a smart automatic system will benefit the farmers many different ways.
2.	Idea / Solution description	Smart farming has enabled farmers to reduce waste and enhance productivity with the help of sensors (light, temperature , soil moisture, etc..). further with the help of these sensors, farmers can monitor the field condition from anywhere
3.	Novelty / Uniqueness	Role of SENSORS : IOT smart agriculture products are designed to help monitor crop field using sensors and by automating irrigation system . As a result farmer can easily monitor the field condition from anywhere without any hassle.
4.	Social Impact / Customer Satisfaction	Water conservation , saves lot of time , increased quality of production ,real time data and production insight , remove monitoring.
5.	Business Model (Revenue Model)	A business start with an idea of how to generate value for a customer . so if it is a person looking for a table we can produce a table market it and receive payment for it.
6.	Scalability of the Solution	Scalability in smart farming refers to the adaptability of a system to increase the capacity ,the number of technology devices such as sensors and fluctuators.