

Project Design Phase-I
Proposed Solution Template

Date	30 September 2022
Team ID	PNT2022TMID41289
Project Name	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)	Crop devastation due to animals and birds should be controlled. Difficulty of farmers in visiting fields at nighttime to control motors should be solved.
2.	Idea / Solution description	An IoT based intelligent system to protect crops from animals by sensing them. It also helps to measure and monitor the temperature, soil moisture and humidity level in the soil. It also enables remote monitoring and control of motors using mobile application.
3.	Novelty / Uniqueness	Protecting crops from animals and birds. Remote monitoring and control of motors and sprinklers.
4.	Social Impact / Customer Satisfaction	Improve the productivity, Save lives of farmers.
5.	Business Model (Revenue Model)	Community based solution by FAO's Solution through contract farming
6.	Scalability of the Solution	It can be practically established in all kinds of fields.