

**Project Design Phase-I**  
**Proposed Solution**

Date	21 October 2022
Team ID	PNT2022TMID23804
Project Name	IoT Based 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)	IoT based Crop Protection System For Agriculture.
2.	Idea / Solution description	The Smart protection system defines that this project help to farmer for the protection of a farm. We have designed this project for the only secure from animals but we this project have the provision to secure from the human beings also. This can achieve by the help of IOT device that we are discuss in this paper. The SCPS work on the battery so that this project can be easily portable and also we are add solar panels and converter modules this can help the battery to charge from solar energy. The IOT device is used to indicate the farmer by a message while someone enter into the farm and we are used SD card module that helps to store a specified sound to fear the animals
3.	Novelty / Uniqueness	The motive of our project is to protect the crops from animals as well as from human beings. Here we use SD card module that will store the sound which give fear to the animals.
4.	Social Impact / Customer Satisfaction	This project will reduce the damage of crops and give benefits to the farmers. If farmer is happy means then we also happy.
5.	Business Model (Revenue Model)	The purpose of SCPS is to secure or protect the farm from the theft in the farm or main purpose of this project is to alert the farmer as well as fear the animals with getting harm to animals.
6.	Scalability of the Solution	In this way we have design our smart crop protections system using IOT These different components are helps us to build the mythology of this project and improve the more feature with the help of IOT devices.