

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

Date	25 September 2022
Team ID	PNT2022TMID18045
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)	To develop an IoT based application for protecting crops from animals and birds.
2.	Idea / Solution description	Crops were destroyed by animals and birds continuously which lead to less yield of protection. This can be avoided by using a smart crop protection system which will monitor the crops and protect them from animals and birds. The farmer can access the motor from anywhere so that the farmer won't have to visit the field periodically.
3.	Novelty / Uniqueness	By using the remote monitoring system, person has not to stay 24/7 on guard to protect crops from animals and birds and operating the motor from remote distance rather than direct visit to the field
4.	Social Impact / Customer Satisfaction	Improves the production, better yield of crops, Reduces the man work.
5.	Business Model (Revenue Model)	Community based solution by FAO's Solution through contract farming.
6.	Scalability of the Solution	By using high accurate soil moisture sensor and temperature sensor the crop yield can be increased effectively.