

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

Date	19 September 2022
Team ID	PNT2022TMID49530
Project Name	Project – IOT Based Smart Crop Protection System
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)	protecting crops from insects , animals and other factors using pest sprayer , sound system and automatic drip irrigation.
2.	Idea / Solution description	using moisture meter ,automatic sprayer of pesticide ,automatic DC motor and sensors are placed for protect crops.
3.	Novelty / Uniqueness	water stagnation and scarcity is maintained every movement in field and growth of plants are monitored with mobile phone.
4.	Social Impact / Customer Satisfaction	Improved and high yield crops are obtained . Farmers work is reduced with automation.
5.	Business Model (Revenue Model)	This makes agriculture easier and profit is attained more by using this technique.
6.	Scalability of the Solution	Instead of using batteries , we shall use solar system to minimise energy loss.