

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

Date	19 September 2022
Team ID	PNT2022TMID14917
Project Name	Project – Smart agriculture pest detection
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)	Large land owner farmers will not be able to control different types of pests and also manual operation of all mechanisms are not possible.
2.	Idea / Solution description	A machine learning based pest detection algorithm is used along with automation of motors.
3.	Novelty / Uniqueness	Pest detection is a novelty used here
4.	Social Impact / Customer Satisfaction	It would help farmers from wasting time and reduce their work load.
5.	Business Model (Revenue Model)	This would be a one time setup whose could be instalment connection with motors and end user, and also a module to detect pests in the farm land. Estimated revenue would be number of installments * initial cost.
6.	Scalability of the Solution	The solution would be efficient with proper care for the system, and proper network connectivity for the user, system and the user.