

Project Design Phase-I
Proposed Solution Template

Date	9 October 2022
TeamID	PNT2022TMID22196
Project Name	IOT Based Smart Crop Protection System For Agriculture.
MaximumMarks	2Marks

ProposedSolutionTemplate:

Project teams shall fill the following information in proposed solution template.

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	To design an effective monitoring and alerting system which is useful for the farmers to protect their crops from animals and poor soil conditions.
2.	Idea/Solution description	<ul style="list-style-type: none"> ➤ With help of this the field is continuously from animals and birds damage ➤ Humidity and temperature sensors are used in this product for monitoring the crops ➤ If water level in the field is high than the normal level, it immediately detects and send the notification to the farmers through the mobile application
3.	Novelty/Uniqueness	<ul style="list-style-type: none"> ➤ Quick intimation to the farmers ➤ Demand for quality and productivity of food increases ➤ Eco and user friendly
4.	Social Impact/Customer Satisfaction	<ul style="list-style-type: none"> ➤ Installing and maintenance of the system is easy ➤ Can work with irrespective of fear
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> ➤ The steps for monitoring is explained so that it is easy for the user to understand and the process is also simple and safe ➤ The awareness and usage about this product is given through advertisements
6.	Scalability of the Solution	<ul style="list-style-type: none"> ➤ It detects the accurate location of farmers even if there is a high interruption rate