

## **PROJECT DESIGN PHASE-I**

### **Proposed Solution**

**Date** **23 September 2022**

<b>Team ID</b>	PNT2022TMID02387
<b>Project Name</b>	IOT Based Smart Crop Protection System For Agriculture.
<b>Maximum Marks</b>	2 Marks

SI NO.	Parameter	Description
1.	Problem Statement(Problem to be solved)	An intelligent crop protection system helps the farmers in protecting the crop from the animals and birds which destroys the crop. This system also helps farmers to monitor the soil moisture levels in the field and also the temperature, humidity values near the field. The motors and sprinklers in the field can be controlled using the mobile application.
2.	Idea/Solution description	An IOT based intelligent system to protect crops from animals by sensing them. It also helps to measure and monitor the temperature, soil moisture and humidity level in the soil. It also enables remote monitoring and control of motors using mobile application.
3.	Novelty/Uniqueness	Protecting crops from animals and birds. Remote monitoring and control of motors and sprinklers. Sensors to detect the movements of animals
4.	Social Impact/Customer Satisfaction	<ul style="list-style-type: none"><li>➤ Maintenance cost is low.</li><li>➤ Takes control of finances , more valuable.</li><li>➤ Improve the productivity, Save lives of farmers.</li><li>➤ Protect the field for 24 hours.</li></ul>
5.	Business Model(Revenue Model)	We can provide the application in a subscription based. By using this crop protection system farmer can increase their income.

6.	Scalability of the Solution	<ul style="list-style-type: none"><li>➤ Efficiency and sensor life is more.</li><li>➤ It is user friendly. It can be used by everyone. It has more advantages.</li></ul>
----	-----------------------------	--