Project Design Phase – I

Proposed Solution

Date	8 October 2022
Team ID	PNT2022TMID33962
Project Name	IoT Based Smart Crop Protection System for Agriculture.

Proposed Solution:

S.NO	Parameter	Description
1.	Problem Statement	❖ To protect the crops using IoT. ❖ Protects the crops from animal and birds attacks. ❖ Also determine the climatic changes and protect the crops.
2.	Solution Description	❖ IoT frameworks are used to handle and interact with information about crops and fields.
3.	Novelty	❖ Specialized sensors are used for monitoring crops. ❖ A PIR sensor is used to detect the animals movement and sends signal to the controller.
4.	Social Impact	❖ There will be no loss for the farmer when the crops are protected using IoT devices ❖ Profit will be high.
5.	Scalability of the Solution	❖ Reduce wastage ❖ Improve productivity ❖ Process automation ❖ Intelligent data collection
6.	Business Model	❖ This product will be generated and delivered to farmers whoever need smart crop protection for their fields