Project Design Phase-I
Proposed Solution Template

Date	19 october 2022
Team ID	PNT2022TMID22829
Project Name	**Project** – IoT Based Smart Crop Protection System for Agriculture
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)	Develop an efficient system & application that can monitor and alert the users(farmers) from animals and birds.
2.	Idea / Solution description	The smart protection system defines that this project help to farmer for the protection of a farm. We have designed this project for the only secure from animals but this project has the provisions to secure from the human beings also. This can be achieved by the help of the IOT device.
3.	Novelty / Uniqueness	The SCPS work on the battery so that this project can be easily portable and we are add solar panels and converter modules this can help the battery to charge from solar energy. The IOT device is used to indicate the farmer by a message while someone enter into the farm and we are used SD card module that helps to store a specified sound to fear the animals. The announcement of the threshold rate will be sent to the cell number or to the website. The result will be generated on a catalogue of the

		mobile of the person to take the necessary action. Fastest alert to the farmers.
4.	Social Impact / Customer Satisfaction	Improve the productivity, Help farmers to protect his farm from animals and birds. Increased production: the optimisation of all the processes related to agriculture and livestock-rearing increases production rates. Easy installation and provide efficient results Can work with irrespective of fear.
5.	Business Model (Revenue Model)	Community based solution by FAO's solution through contract farming . As the product usage can be understood by everyone, it is easy for them to use it properly for their safest organization. The product is advertised all over the platforms. Since it is economical, even helps small scale farming load from disasters.
6.	Scalability of the Solution	Even when the interruption is more, the product sense the accurate location and alerts the farmers effectively. This can also help to protect the farm from animals as well as unknown person.