Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID15011
Project Name	IOT based smart crop protection system for agriculture
Team Leader	Brijesh Chandra Aksharan K
Team Members	Shriraam PM, Sujith S, Saravanan R
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)**	IOT based smart crop protection system for agriculture
2.	**Idea / Solution description**	Animals are some concepts. This system is microcontroller- IOT- Based Crop Protection System Against Birds and Wild based and uses a microcontroller from the PIC family. To identify wild animals entering the field, this device employs a motion sensor. using Arduino, be frequently found in mobile devices.
3.	**Novelty / Uniqueness**	Object detection using **Artificial intelligence**
4.	**Social Impact / Customer Satisfaction**	Currently, there is a significant social issue with wild animals and fires damaging crops. Since there hasn't yet been a good answer to this issue, it needs urgent attention. In light of its intent to address this issue, this project has significant social significance. With the aid of this project, farmers will be able to safeguard their orchards and fields, preventing them from suffering major monetary losses and needless labour costs in the process. Additionally, this will aid in increasing crop yields, which will benefit their ability to support themselves financially.
5.	**Business Model (Revenue Model)**	

6.	**Scalability of the Solution**	**IOT Sensor, Camera led monitoring & assessment of the soil andcrop** This permits prompt preventive action to ensure crop spoiling isreduced and production is improved without intensive input of synthetic ingredients or fertilisers, increasing the farmers' income.