

Project Design Phase-I
Proposed Solution Template

Date	29 September 2022
Team ID	PNT2022TMID33661
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)	The animal photos need to be more accurate to detect correctly and also the animal will become terrified by some sound and it will ran away from fields.
2.	Idea / Solution description	A sample images of animals are given as input and if the same sample detected then the SMS will be sent to the owner. After detecting the animal, the image will be stored in object storage and also uploaded in cloud database and the URL of the image was sent to the owner.
3.	Novelty / Uniqueness	Smart farming reduces the ecological footprint of farming. Minimized or site-specific application of inputs, such as fertilizers and pesticides
4.	Social Impact / Customer Satisfaction	Cities and civilization will be greatly developed in agriculture with this smart protection.
5.	Business Model (Revenue Model)	Start-ups in this industry require to address societal challenges concerning their use of technology, because their innovations have a direct and large potential societal impact
6.	Scalability of the Solution	Two of the most major problems in agriculture are the loss of agricultural land and the decrease in the varieties of crops and livestock produced.