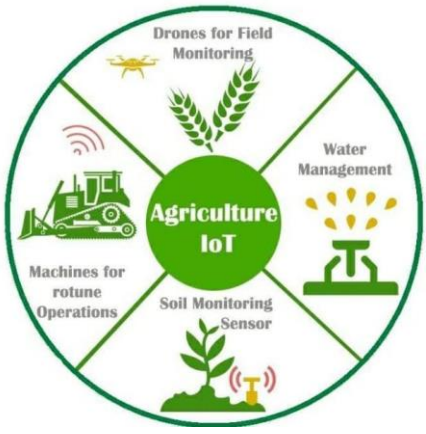
Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID35045
Project Name	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 smart & affordable solution to protect crops from wild animals
2.	Idea / Solution description	With the help of remote sensing technologies develop crop protection solution from wild animal attacks. Provide alerts on any crop damage in case animals destroy crops.
3.	Novelty / Uniqueness	Role of SENSORS:IOT smart agriculture products are designed to help monitor cropped fields using sensors and by automating irrigation systems. As a result, farmers and associated brands and easily monitor the field conditions from anywhere without any hassle.
4.	Social Impact / Customer Satisfaction	Conservation of water, optimization of energy resources, Better crop yield, Saves lot of time, Increased quality of production, Real time data and production insight, Remote monitoring.
5.	Business Model (Revenue Model)	
6.	Scalability of the Solution	By the time we have 9 billion people on the planet, 70% of them will live in urban areas. IOT-based greenhouses and hydroponic systems enable short food supply chains and should be able to feed the people. Smart closed-cycle agricultural systems allow growing food everywhere—in supermarkets, on skyscrapers' walls and rooftops in shipping containers, and ,of course, in the comfort of everyone's home.