

Project Design Phase-I

Date	09 November 2022
Team ID	PNT2022TMID07461
Project Name	SmartFarmer-IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The farmer needs to water their plants on time and to prevent their plants from animals and birds for protecting the field.
2.	Idea / Solution description	The device will detect the animals and birds.It generate an alarm and avoid animals from destroying the crop.
3.	Novelty / Uniqueness	The unique of project is to monitor the soil moisture levels,temperature,humidity.
4.	Social Impact / Customer Satisfaction	They can easily protect the field and yielding more profits.
5.	Business Model (Revenue Model)	Farmers and cooperatives(minimize costs).Farming as a service(Faas). Commerce and Government. Pay per use. Performance based model. Additional sharing model.
6.	Scalability of the Solution	In a field of IOT we proposed to deal with brilliant sensors and electrical equipment to achieve an "SMART CROP PROTECTION SYSTEM".