Project Design

Phase-1Proposed
Solution

Team ID	PNT2022TMID02463
Project Name	Smart Farmer- 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)	Over use of fertilizer and insecticides in agricultural fields damages crops and decreases field productivity, making the soil more susceptible to pest infestations.
2.	Idea / Solution description	We can offer a solution using the Smart Farming Application system, which was created for monitoring the irrigation system and using sensors to monitor the agricultural area.
3.	Novelty / Uniqueness	We can use IoT gadgets can be effectively used to offer answers to the issue. To determine the real moisture content of the soil, we employ a soil moisture level sensor.
4.	Social Impact / Customer Satisfaction	This Application will help to Customers andfarmers will benefit from this application's improved understanding of key farming components like water, vegetation, and soil kinds.
5.	Business Model (Revenue Model)	This application will give a revenue or profit about 40% of yearly expenditure.
6.	Scalability of the Solution	Our project is capable to grow in the marketas smart farming is an emerging technologynow a days.