Project design phase-I

Proposed solution template

Date	31-10-22
Team Id	PNT2022TMID43896
Project Name	Smart Farmer-IOT Enabled Smart Farming Application

Proposed Solution Template:

s.no	Parameter	Description
1.	Problem statement (Problem to be solved)	Overuse of pesticides and Fertilizers in agricultural fields leads to destruction of the crops as well as reduces the efficiency of the field
2.	Idea/ Solution description	Integrated pest management , sustainable agriculture techniques such as poly culture, Agronomic practices, use of less hazardous pesticides
3.	Novelty/Uniqueness	Lots of new research in terms of smart IOT based products to facilitate smart farming in terms of pest management .It is developed for monitoring of pesticides level through sensors
4.	Social Impact/customer satisfaction	Improving productivity , protection of crop losses and disease control
5	Business model (Revenue model)	The project involves Thermography sensors which is cheaper than the existing ideas

6.	Scalability of the solution	Based on all the inputs from the system ,it recommends the good quality fertilizer to the soil