

Project Design Phase-I

Proposed Solution

Date	06-11-2022
Team ID	PNT2022TMID01454
Project Name	Smart Farmer- IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Overuse of pesticides and fertilizer in agricultural fields lead to destruction of the crop as well as reduce the efficiency of the field increasing the soil vulnerability towards pests.
2.	Idea / Solution description	We can provide a solution by Smart Farming Application system that is built for monitoring the crop field with the help of sensors and automating the irrigation system.
3.	Novelty / Uniqueness	We can use IoT devices to provide solutions for the problem in an efficient way. We use Soil moisture level sensors to get the actual moisture content present in the soil.
4.	Social Impact / Customer Satisfaction	This Application will help customers/farmers to better understand the important factors of farming such as water, vegetation and soil

		types.
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 market as smart farming is an emerging technology now a days.