Project Design Phase-I

Proposed Solution

Team ID	PNT2022TMID16026
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Ideally, each field should get just the right amount of water at just the right time. Under-watering causes crop stress and yield reduction. Overwatering can also cause yield reduction and consumes more water and fuel than necessary.
2.	Idea / Solution description	In our proposed system, we are implementing an Automatic Smart Irrigation System Using IoT, which will be helpful for watering plants so that water can be saved efficiently by monitoring the soil moisture. Monitoring is done through our smart Phone.
3.	Novelty / Uniqueness	Using budget sensors which helps to monitor temperature, moisture, humidity effectively and efficiently.

4.	Social Impact / Customer Satisfaction	It is the best method for smart irrigation system and with this we can save time and manpower and thus producing better yield.
5.	Business Model (Revenue Model)	Since the productivity of crop increases the satisfaction of customers also increases and eventually the need for the application increases, which in turn increases the revenue.
6.	Scalability of the Solution	The application is scalable as we can improve or increase the performance when the problem arises.