Project Design Phase-I
Proposed Solution

Date	19 October 2022
Team ID	PNT2022TMID20456
Project Name	Project-Smart Farmer- IOT Enabled Smart Farming Application
Maximum Marks	2 Marks

S.No	Parameter	Description
1.	Problem Statement	Our project will give solution to the problem statement given with an additional advantage of IoT Monitoring Facilities. Lack of Proper maintenance, correct level of watering to each and every individual crops.
2.	Idea/Solution description	The mostly used applications in the field of agriculture are drones which were used for Spraying pesticides and monitoring the field , overview of the field.
3.	Novelty/Uniqueness	Smart farming, which involves the application of sensors and automated irrigation practices, can help monitor agricultural land, temperature, soil moisture, etc. This would enable farmers to monitor crops from anywhere
4.	Social Impact / Customer Satisfaction	Reduced man power and Increased production: the optimisation of all the processes related to agriculture. By the concept of water saving with the use of weather forecasts and sensors that measure soil moisture helps to watering only when the water is needed to maintain the moisture level .
5.	Business Model(Revenue Model)	Smart Farming agriculture model is a pathway towards development and food security mainly focusing on increase in efficiency and incomes, enhancing resilience of livelihoods and ecosystems and also helps in reducing the wastages and natural resources
6.	Scalability of the Solution	Smart Farming Agriculture systems uses latest technology to increase the quality and quantity of agricultural products with tracking and Geo fencing of stocks , Smart Monitoring management and Remote controlling systems.