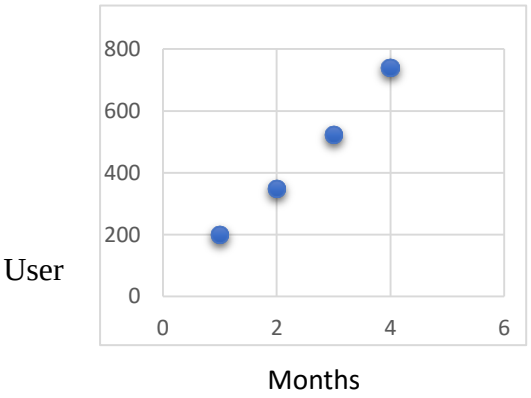
Project Design Phase-I
Proposed Solution Template

Date	16 OCTOBER 2022
Team ID	PNT2022TMID30663
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	• Monitoring the field often it's deficult to the farmers they are unable to do their personal works. • watering the field is more time taken process for farmers because they are waited until the water fully cover the whole land. • soil moisture, temperature level and humidity levels are need to know because it affect the plant growth and crop yield. • Power consumption process for motor. Electricity is available only fewer times in villages.
2.	Idea / Solution description	• We can use the some sensors used to collect the values of temperature, humidity,soil moisture,ect and give this values to the farmers ,it can easily increase the effective efficiency of plants. • we can use time control systems for motor on, off and irrigation system on ,off. • precision farming use the drones to monitoring the crop condition and intimate which one requires a nutrition and water,ect.
3.	Novelty / Uniqueness	**Remote access:** • **It helps the farmers to monitor the motor and irrigation system on, off in anywhere.** **Allert messages;** • **IOT sensors like temperature, humidity,soil moisture, motion detector ,they are collected the**

		information from the farming environment and given to the controller unit (ex;Arduino UNO) it give information to the communication device to reach the farmers (customer)
4.	Social Impact / Customer Satisfaction	• It saves the lot of times. • It reduces the need of more labours. • Iot can in increase the production effeciency. • Provide the clean and green foods. • Iot can also helps in e-commerce business and increase sales. • It makes a wealthy society.
5.	Business Model (Revenue Model)	Revenue (No. of Users vs Months) 
6.	Scalability of the Solution	• Scalability in smart farming refers to the adaptability of a system to increase the capacity, for example, the number of technology devices such as sensors and actuators, while enabling timely analysis.