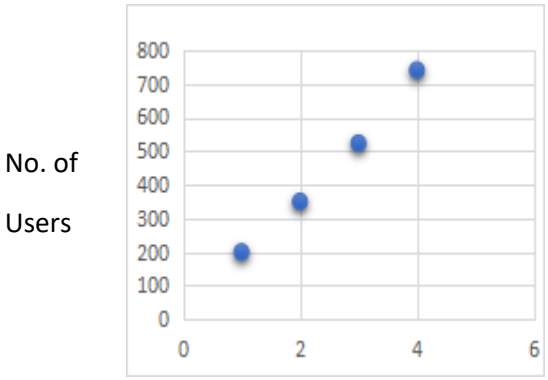
Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID04665
Project Name	SmartFarmer - IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	● This project deals with the problem of Smart Farming , where the Integration of these sensors and tying the sensor data to the analytics driving automation and response activities. ● Watering the field is a difficult process, Farmers have to wait in the field until the water covers the whole farm field.
2.	Idea / Solution description	● As is the case of precision Agriculture Smart Farming Technique Enables Farmers better to monitor the fields and maintain the moisture level accordingly. ● The Data collected by sensors, In terms of humidity, temperature and moisture detections help in determining the weather pattern in Farms. So irrigation is done by farmer easily.
3.	Novelty/ Uniqueness	**ALERT MESSAGE** – IoT sensor nodes collect information from the farming environment, such as soil moisture, humidity and temperature then transmit collected data to IoT devices. **REMOTE ACCESS –** It helps the farmer to operate the motor from anywhere.

4.	Social Impact / Customer Satisfaction	• Reduces the wages for labors who work in the agricultural field. • It saves a lot of time. • IoT can help improve customer relationships by enhancing the customer's overall experience. • Easily identify maintenance needs, build better products, send personalized communications, and more. • It make 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.