Project Design Phase-I

Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID04642
Project Name	Smart Farmer-IoT Enabled smart Farming Application
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Watering plants takes long time and requires continuous monitoring Using water and acting accordingly by predicting the weather is a great challenge for farmers Protection of crops from pesticides and disease is also difficult
2.	Idea / Solution description	The Data collected by sensors, In terms of humidity, temperature, moisture, and dew detections help in determining the weather pattern and can be used by the farmers accordingly for farming By determining the acidity level of the soil, the usage of pesticides and fertilizers can be determined
3.	Novelty / Uniqueness	The farmer can be alerted for watering the crops and the values from the sensors can be used by the farmers for various applications The app will help the farmer to find the condition of crops from anywhere

4.	Social Impact / Customer Satisfaction	It saves a lot of time and reduces man power The money spent for wages can be reduced Accurate prediction of weather and watering
5.	Business Model (Revenue Model)	
6.	Scalability of the Solution	Scalability of the product is large as it targets all the farmers. Since everyone uses smart phones now a days the scalability will be high