Project Design Phase-I
Proposed Solution Template

Date	1 October 2022
Team ID	PNT2022TMID11108
Project Name	Project – Smart Farming Using IoT
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)	The whole IoT framework kit will be attached to the soil that we want to measure the fertility rate.
2.	Idea / Solution description	The framework kit consists of PIR sensor, FC28 sensor and DHT11 sensor and the data stored in cloud and shows the results in real time.
3.	Novelty / Uniqueness	It sends the notifications to the user about the soil fertility, temperature, humidity and climate conditions.
4.	Social Impact / Customer Satisfaction	It is cost effective and improve crop irrigation and also improve the growth of plant.
5.	Business Model (Revenue Model)	The IoT framework kit could be sold in the market for the purpose of testing soil fertility.
6.	Scalability of the Solution	The model could be scaled according to the fertility of the soil.