Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID44879
Project Name	IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE
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)	IOT Enabled micro irrigation and farming land health logging system
2.	Idea / Solution description	The aim of the proposed work is to develop an IoT device for smart crop field monitoring system and automated irrigation system using the wireless sensor networks(WSN). ●To create an IoT device for monitoring the crop field using sensors(soil moisture, temperature, Humidity,etc..,). ● To analyse the sensors data and provide information to the farmers. ● To automate the irrigation by comparing the level of soil moisture with the threshold value.
3.	Novelty / Uniqueness	Daily update about the condition of the land send to the farmers via mail.
4.	Social Impact / Customer Satisfaction	Cost effective to the society. Modernization to the society. High Protection and High yield
5.	Business Model (Revenue Model)	Outcome based model Data based model Platform based model
6.	Scalability of the Solution	Start small and build out