Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID50276
Project Name	Project –SmartFarmer - IoT Enabled Smart Farming Application
Maximum 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)**	Indian Agriculture system completely relies on human efforts in all the farming activities.Some of the challenges involved are maintaining right moisture levels,pH levels in soil.Farmers are under pressure to produce more food and use less energy and water in the process.A remote monitoring and control system will help farmers deal effectively with these pressures.Due to the weather condition, water level increasing farmers get lot of distractions which is not good for Agriculture.Many times crops die due to improper water supplies.Animals can also get into the farm and damage the crops on a large scale.This in turn causes financial loss to the farmers.
2.	**Idea / Solution description**	Smart farming application provide an integrated IoT platform in agriculture that allows farmers to leverage sensors, smart gateways and monitoring systems to collect information, control various parameters on their farms and analyse real-time data in order to make informed decisions.If any of the above conditions are beyond a certain limit ,the app will automatically send push notifications.
3.	**Novelty / Uniqueness**	Unlike genetic resources found in the natural world, agricultural crops are truly a human mediated form of biodiveristy
4.	**Social Impact / Customer Satisfaction**	This application is used to monitor the farmland and it very useful for farmers to make a good product

5.	**Business Model (Revenue Model)**	We can include ads in social media
6.	**Scalability of the Solution**	Helps farmers to leads the farmland