

Project Design Phase-I
Proposed Solution Template

Date	24 October 2022
Team ID	PNT2022TMID18473
Project Name	Project – 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)	To develop a app based solution for soil health monitoring and efficient water management
2.	Idea / Solution description	1.Monitoring the field parameters like pH,nutrient contents regularly and provide suggestion through an app to use fertilizer 2. Monitoring the temperature,moisture content of the soil to provide a efficient way to manage water
3.	Novelty / Uniqueness	Effective irrigation of the field using IOT techniques
4.	Social Impact / Customer Satisfaction	This proposed system provides many facilities,which help the farmer to maintain the crop field without much loss
5.	Business Model (Revenue Model)	This prototype can be developed as a product with minimum cost and high performance
6.	Scalability of the Solution	The design scale of the solution has been planned in a compact manner