Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID04753
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)	The number of farmers decreases day by day, there is a need of new technique for improving the methods of farming and also make it easily accessible. Due to improper management of the crops, the loss of farmers increases.
2.	Idea / Solution description	Automation in farmland using mobile app will help the farmers to efficiently manage crops such as monitoring the soil moisture level, quality of the soil and also automatic water pumping mechanism and also weather report
3.	Novelty / Uniqueness	At present it is done automatically without the intervention of the farmer though it is useful is some aspects sometimes unavoidable factors affects the mechanism so we intend to make the important working model to the farmer but if any abnormal activities is detected the micro-controller will intervene.
4.	Social Impact / Customer Satisfaction	This will create a positive impact on agriculture and also the user can seamlessly monitor the crops and can take necessary action with the help of mobile application.
5.	Business Model (Revenue Model)	Revenue can be generated by installation and product development charge. Since this is a closed network project there is less chances of error.
6.	Scalability of the Solution	Since agriculture is the backbone of our nations there is huge demand for agriculture related products.