	PROJECT DESIGN PHASE – I	
	PROPOSED SOLUTION	
Team ID	PNT2022TMID07016	
Project Name	Smart Farmer- IoT Enabled Smart FarmingApplication	
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-based agriculture systems help the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors. • Farmers can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field. Watering the crop is one of the important tasks for the farmers. • They can make the decision whether to water the crop or postpone it by monitoring the sensor parameters and controlling the motor pumps from the mobile application itself.
2.	Idea / Solution description	We can provide a solution by Smart Farming Application system that is built for monitoring the crop field with help of sensors and automating the irrigation system.
3.	Novelty / Uniqueness	We can use IoT devices to provide solutions for the problem in an efficient way. We use Soil moisture level sensor to get the actual moisture content present in the soil.
4.	Social Impact / Customer Satisfaction	This Application will help customers/farmers to better understand the important factors of farming such as water, vegetation and soil types.
5.	Business Model (Revenue Model)	This application will give a revenue or profit about 40% of yearly expenditure.
6.	Scalability of the Solution	Our project is capable to grow in the market as smart farming is an emerging technology now adays.