

**Project Design Phase-I**  
**Proposed Solution**

Date	19 September 2022
Team ID	PNT2022TMID33527
Project Name	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)	Overuse of pesticides and fertilizer in agricultural fields leads to destruction of the crop as well as reduces the efficiency of the field increasing the soil vulnerability towards pest.
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 a 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 a days.