

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

Date	24 September 2022
Team ID	PNT2022TMID00072
Project Name	Project - SmartFarmer-IoT Enabled Smart Farming Application

**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)	Smart Farmer – IoT enabled smart farming application helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors.
2.	Idea / Solution description	IoT-based remote sensing utilizes sensors placed along with the farms like weather stations for gathering data, which is transmitted to analytical tools for analysis.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>Alerts the farmers through SMS messages in extreme conditions.</li><li>Uses cloud services for synchronisation.</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>Gives timely update for the farmers regarding temperature and humidity levels of the fields.</li><li>It will be helpful for small scale farm and organic farm.</li></ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"><li>Subscription based application for providing analysis of crops and fields.</li></ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"><li>Easy and simple setup is required and less number of connections and sensors are used for efficient performance.</li><li>Everything can be controlled from anywhere through cloud.</li></ul>