

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

Date	19 September 2022
Team ID	PNT2022TMID33042
Project Name	IOT-Smart farmer
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 provide efficient decision support system using wireless sensor network which handle different activities of farm and gives useful information related to farm. Information related to Soil moisture, Temperature and Humidity content. Due to the weather condition, water level increasing Farmers get lot of distractions which is not good for Agriculture. Performing agriculture is very much time consuming.
2.	Idea / Solution description	Water level is managed by farmers in both Automatic/Manual using that mobile application. It will make more comfortable to farmers
3.	Novelty / Uniqueness	collecting all the data from various sensor like temperature, humidity, lux, moisture and other environmental factors and will do the analysis on the same. During analysis if gets better result of the combination of the data gathered from the various sensor then those data to all collecting all the data from various sensor like temperature, humidity, lux, moisture and other environmental factors and will do the analysis on the same.
4.	Social Impact / Customer Satisfaction	People are still working on different Smart Farming technology using IoT, so the anticipated benefits of this technology are, Remote monitoring for farmers, water and other natural resource conservation, good management

		also allows improved livestock farming, the things which are not visible to naked eye can be seen resulting in accurate farmland and crop evaluation, good quality as well as improved quantity, the facility to get the real-time data for useful insights.
5.	Business Model (Revenue Model)	<p>business model</p> <ul style="list-style-type: none"> <li>• The progress in the agriculture domain is linked to the recent technological advances.</li> <li>• Modern agriculture systems integrate state-of-the-art technological solutions.</li> <li>• Data heterogeneity is the key concept for big data in the agriculture domain.</li> <li>• Future agriculture systems should adopt a more holistic approach</li> </ul>
6.	Scalability of the Solution	this application promotes simplicity over complexity which helps the customers to use this application in an effective manner