

## Project Design Phase-I

### Proposed Solution

Date	19 September2022
Team ID	PNT2022TMID15129
Project Name	Project – Smart farmer-IoT enabled smart farming application
Maximum Marks	2 Marks

### Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To solve farmer issues like <ul style="list-style-type: none"><li>• Lack of Modernization and Mechanization.</li><li>• Invest in farm productivity and improving yield production.</li><li>• Cope with climate change, soil erosion.</li><li>• To minimize the cost of the production.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>• An application and device is introduced to know about various data about their land remotely, where they can schedule some events for a month or a day.</li><li>• It also provides suggestions to users based on the crop they planted.</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>• Planning events</li><li>• Providing suggestions</li><li>• Giving more awareness about the land.</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>• Farmers can track and control their land</li></ul>

		<ul style="list-style-type: none"> <li>• Suggestions of next plant crops and improving yield gives satisfaction.</li> </ul>
5.	Business Model (Revenue Model)	<p>It's a subscription model, where user have to pay for their internet.</p> <ul style="list-style-type: none"> <li>• Customer services are supported</li> <li>• It supports third party devices also</li> <li>• Reach customers via Referral, Agents, Third party applications</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>• Our product is scalable with our devices (extra addons) as well as third party devices also.</li> <li>• Ability to provides various features in a application like reports generation etc.</li> </ul>