

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

Date	19 September 2022
Team ID	PNT2022TMID20029
Project Name	Project – Estimate The Crop Yield Using Data Analytics
Maximum Marks	2 Marks

**Proposed Solution :**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The change of climatic conditions, makes the variation in crop production in India. It has become challenging task to achieve desired targets in Agri - based crop yield. Various factors are to be considered which have direct / indirect impact on the production & productivity of the crops.
2.	Idea / Solution description	<p># Crop production in India is one of the most important sources of income and India is one of the top countries to produce crops.</p> <p># In this project we will be analysing important visualization by creating a dashboard and by going through these we will get most of the insights of Crop production in India.</p> <p># Providing proper knowledge to farmers about the crops to be sown in its respective season.</p>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>• User – friendly Chat bots</li><li>• Interactive &amp; attractive dashboard</li><li>• Provide expert suggestions</li><li>• Weather viewer and crop selection (needs)</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>➤ This project is helpful in framing government policies related to crop insurance to farmers.</li><li>➤ This helps the farmers to keep track of previous crop yield.</li></ul>

5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>• Supply chain operation between farmers and Entrepreneurs.</li> <li>• Helps the companies in project scheduling.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>• Available for large scale farmers.</li> <li>• Dataset can be updated according to future needs.</li> </ul>