

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID00213
Project Name	Project – Estimate the crop yield using data analytics
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)	Crop production in India is one of the most important sources of income and India is one of the top countries to produce crops. The basic idea is to maximize the crop production using data analysis, to feed the world and protect the planet.
2.	Idea / Solution description	To achieve our ambition, we have to take the lead in developing digital farming tools to maximize the crop production. Develop a device in order to find the nutrient content in a plant and prepare the crop accordingly.
3.	Novelty / Uniqueness	We are implementing to transfer our unique knowledge and help farmers increase yield and reduce emissions based on new ways of collaborating and new technologies.
4.	Social Impact / Customer Satisfaction	With the help of this, plants nutrition content is predicted and precautions are taken respectively.
5.	Business Model (Revenue Model)	The device is cheap and data is collected easily and implemented effectively.
6.	Scalability of the Solution	Better accuracy in preparing the crop according to the nutrient content of the plant