# Project Design Phase-I
# Proposed Solution

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| Date | 05 November 2022 |
| Team ID | PNT2022TMID23966 |
| Project Name | Project - Estimate the crop yield using data analytics |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

Project team shall fill the following information in proposed solution for estimate the crop yield using data analytics.

| S.No. | Parameter | Description |
|---|---|---|
| 1. | Problem Statement (Problem to be solved) | In the agriculture sector the farmers are facing difficulties in analysing the demand in market and soil quality analysis to achieve high crop yield through technology. The main objective of this project is to predict crop yield that will be extremely useful to farmers to plan for the harvest and sales of harvested grain. |
| 2. | Idea / Solution description | Provide perfect data report after deep data analysis of the past data. Helping them out to overcome loss in crop yield forming. |
| 3. | Novelty / Uniqueness | With this solution we can analyse, visualize data and give the farmers the option to choose which crop to cultivate in which period of time/season to efficiently earn more profit from the crop yield |
| 4. | Social Impact / Customer Satisfaction | Perfect data visuals create a large impact in the crop yield. And hence farmers will be able to gain more profit. |
| 5. | Business Model (Revenue Model) | We can increase/enhance crop production and other raw materials. Also, Increase in productivity will result in increase of Revenue for the farmers. |

| 6. | Scalability of the Solution | With the data visual reports, farmers will be able to cultivate crop according to the area, climate, soil and other features that impact the crop yield and hence enhancing the productivity |