Project Design Phase-I Proposed Solution Template

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| Date | 23 September 2022 |
| Team ID | PNT2022TMID42593 |
| Project Name | Estimate the Crop Yield using Data Analysis |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | To Estimate crop yield analysis , Using data analysis, to aid farmers in making better decisions in order to have healthy crop production. |
| 2. | Idea / Solution description | To deliver a perfectly analysed Dashboard of historical agricultural production data from several Indian states so that farmers may  forecast their crop yield. |
| 3. | Novelty / Uniqueness | The dataset contains information about the crops in various Districts, States, Seasons, and Areas. Therefore, using all these facts, a thoroughly researched report will assist farmers in making the best crop choice for their region during a specific growing season to increase  output. |
| 4. | Social Impact / Customer Satisfaction | The issues that farmers have with yield potential will all be resolved by this report. Therefore, this Dashboard will have a significant impact on farmers, and by adopting the advised crops, they  can achieve enormous earnings. |
| 5. | Business Model (Revenue Model) | Profit can be generated by marketing the solution as a freely accessible mobile application that anyone can use. Venture partnerships with  the government may yield financial rewards. |
| 6. | Scalability of the Solution | Regarding dataset storage and data gathering, there are no problems. As a result, the system may be readily scaled to manage rising user numbers, traffic, and requirements that must be  met. |