**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 28 September 2022 |
| Team ID | PNT2022TMID31901 |
| Project Name | Estimate the Crop yield using Data Analytics |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | crop yield production is one of the most important source of income so it is important to analysing and visualizing the production of crop based on climate variation and identifying the season with average production and usage of crop yield. |
|  | Idea / Solution description | To avoid the decrease in production of crop yield we as a team help farmers to decide  on what to grow and when to grow. As a team we are proposing a solution, our analysis will have different visualization based on different factors. It gives an knowledge on making  decisions in cropping, which will increase the production and reduce the wastage of crops and water. |
|  | Novelty / Uniqueness | * Planting right crops based on the season and places * Using water for an optimum level |
|  | Social Impact / Customer Satisfaction | By using this application, farmers can get an  Idea about planting crops based on the season and to plant the crop for the correct optimum level and to analyse the production of crop and to avoid decrease in production of crop . |
|  | Business Model (Revenue Model) | By using this we can increase in production of crop and can reduce the wastage of crop and water. |
|  | Scalability of the Solution | It is easy and simple process. This will lead  to save crops and will be much more  benefits for farmers. It will increase in production of crops and help farmers to decide on what to grow and when to grow. |