**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 19 September 2022 |
| Team ID | PNT2022TMID06880 |
| Project Name | Project – Estimate the crop yield using data analytics |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | A farmer who requires an efficient way to analyse their crop yields so that the tracking of previous crop yields and prediction of the future yields manually need not be required. |
|  | Idea / Solution description | * Crop production in India is one of the most important sources of income and India is one of the top countries to produce crops. * 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. * Providing proper knowledge to farmers about the crops to be sown in its respective season. |
| 1. x | Novelty / Uniqueness | * Creating interactive Chatbots. * Attractive dashboard with aesthetic visualisation. * Providing expert suggestions to farmers. |
|  | Social Impact / Customer Satisfaction | * This project is helpful in framing government policies related to crop insurance to farmers. * This helps the farmers to keep track of previous crop yield. |
|  | Business Model (Revenue Model) | * Supply chain operation between farmers and Entrepreneurs. * Helps the companies in project scheduling. |
|  | Scalability of the Solution | * Available for large scale farmers. * Dataset can be updated according to future needs. |