**Project Design Phase-I**

**Proposed Solution**

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| Date | 26-09-2022 |
| Team ID | PNT2022TMID51001 |
| Project Name | Estimate the Crop Yield using Data Analytics |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

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| **S.No.** | **Parameter** | **Description** |
|  | 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. As per this project we will be analyzing some important visualization, creating a dashboard using IBM Cognos and by going through these we will get most of the insights of Crop production in India. |
|  | Idea / Solution description | We can comprehend the data and make wise decisions by integrating reporting, modelling, analysis, exploration, dashboards, stories, and event management with IBM Cognos Analytics. By presenting critical insights and analyses about our data on one or more pages or screens, a dashboard enables us to keep track of events or actions at a glance. In this project, we use a dashboard to view, analyse, and extract the majority of the findings. |
|  | Novelty / Uniqueness | Consideration of all factors that affect crop yield. |
|  | Social Impact / Customer Satisfaction | By considering all factors, the customer would gain knowledge about all the minute factors that would affect the crop yield. |
|  | Business Model (Revenue Model) | By gaining knowledge about all the minute factors that would affect the crop yield, the customer will result in an increase in profit by correcting even the minute factors. |
|  | Scalability of the Solution | Can be used for any type of field at any part of the world. |