### **Project Design Phase – I**

### **Proposed Solution**

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| Team ID | PNT2022TMID38310 |
| Project Name | Estimate the Crop Yield using Data Analytics |
| Maximum Marks | 2 Marks |

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| **S.NO.** | **PARAMETER** | **DESCRIPTION** |
| 1. | Problem Statement  (Problem to be solved) | To estimate the crop yield with atmost accuracy so that the Farmers, Government and Traders will get gain through it and it will lead them to make data - driven discision - making. |
| 2. | Idea / Solution description | To create user understandable dashboards so that the farmers get valuable insights about various types of crop production. |
| 3. | Novelty / Uniqueness | Using a well researched dataset includes types of crops, regions, seasons, climatic conditions, temperature suggestions can be made on what type of crop is suitable for a particular land at a specific season to get maximum harvest. |
| 4. | Social Impact / Customer  Satisfaction | Maximum accuracy in the output will give maximum crop yield. As more revenue will be made, the customer will be satisfied. |
| 5. | Business Model  (Revenue Model) | A satisfied customer can share his experience to somebody which results in large number of customer base.More revenue can be made by providing subscription services. |
| 6. | Scalability of the Solution | There is no problem with the dataset storage, time efficient, accurate, clear insights and an efficient way to forecast the upcoming results. |