**Project Design Phase-I**

**Proposed Solution**

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| Date | 17 october 2022 |
| Team ID | PNT2022TMID47431 |
| 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) | The datasets have been collected and refined based on  commonality uses such as location, crop, Area, soil type,  temperature, humidity etc. From these parameters name of the crop and net yield rate of the crop can be  predicted.  Based on various analyses the parameters location, soil  type and area are taken as input and prediction have  been undertaken. |
|  | Idea / Solution description | Using data analytics ,we can predict early about climatic and seasonal changes.We can also able to give suggestions to what type of crop is suitable for the particular season or for region to increase the normal crop yield. |
|  | Novelty / Uniqueness | The uniqueness of this analytic method is to give instant results for the live data and able to forecast earlier. |
|  | Social Impact / Customer Satisfaction | Early forecast of particular data can increase the crop yield and thus can increase the overall profit thus the customer satisfy his needs as well. |
|  | Business Model (Revenue Model) | A satisfied customer can share his experience to somebody,through which large number of customer base can form. |
|  | Scalability of the Solution | Scalability of this solution is resulting high efficient,less effort crop yield estimation. |