**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID39901 |
| Project Name | Exploratory Analysis of Rainfall Data In India For Agriculture |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Farmers need to satisfy the rising demand for more food of higher quality. * Rainfall is very important because heavy and irregular rainfall can have many impacts like the destruction of crops and farms |
|  | Idea / Solution description | * Helps in producing healthy crops and good fields. * Water resources can be fully untilised through interstate coordination on water management, water can easily be delivered to the areas where it is most required. |
|  | Novelty / Uniqueness | * We use the advanced applied data science and machine learning of python modules like pandas, tensor flow, keras , matplotlib, visualization tool tableu , so this is the uniqueness of our analysis of rainfall data project |
|  | Social Impact / Customer Satisfaction | * Different types of crops can be planted for good health. * It helps in making of decisions regarding the cropping pattern and sowing rate. |
|  | Business Model (Revenue Model) | * Our project is open source for farmers, with the help of government approval or any private corporate support we given 60% of revenue of our company share to who own our project. |
|  | Scalability of the Solution | * A good balance of rain and proper irrigation can lead to faster growing plants and yields better crops. |