**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 23 september2022 |
| Team ID | PNT2022TMID30080 |
| Project Name | **Exploratory Analysis of Rain Fall Data in India for Agriculture** |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Rainfall is very important because heavy and irregular rainfall can have many impacts like the destruction of crops and farms. * Rainfed crops are prone to breaks in the monsoon during the crop growth due to water stress. * Farmers need to satisfy the rising demand for more food of higher quality. |
|  | Idea / Solution description | * 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. * Helps in producing healthy crops and good fields. * Provides extra support to maintain the agriculture. |
|  | Novelty / Uniqueness | * This application is useful for the beginners in agriculture. * Seed maturity selection features are available. |
|  | 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) | * Indian economy is vitally linked with the monsoon because of its water resources. * The growth of economy is stimulated by higher production of crops which makes profit in trading. |
|  | Scalability of the Solution | * A good balance of rain and proper irrigation can lead to faster growing plants and yields better crops. |