

Project Design Phase-I
Proposed Solution Template

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID07033 |
| Project Name | Exploratory Analysis Of Rainfall Data In India For Agriculture |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

The project aims at building an application that provides information about rainfall by analysing the weather condition in India to help the farmers to protect their crops.

| S.No. | Parameter | Description |
|-------|--|---|
| 1. | Problem Statement (Problem to be solved) | How can we predict the Rainfall and the weather for better crop yield? |
| 2. | Idea / Solution description | Ensures correct prediction of rainfall by analysing the weather which helps the farmers to protect crops from rainfall. |
| 3. | Novelty / Uniqueness | 1)Predict rainfall using data science. 2)Analyse the weather condition 3)Ensure the safety of crops. |
| 4. | Social Impact / Customer Satisfaction | Serves as farmer's friend by helping them to take precautionary steps to minimize the economic losses. |
| 5. | Business Model (Revenue Model) | 1)Collaboration with agriculture-sector. 2)Providing technical solutions. 3)Increase in crop productivity. |
| 6. | Scalability of the Solution | 1)Analyse the climate data from meteorological stations and from food and Agricultural organizations. 2)Estimating climate change impacts on Indian agriculture. |