

**Project Design Phase-I**  
**Proposed Solution Template**

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| Date          | 19 September 2022  |
| Team ID       | PNT2022TMID15200   |
| 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.

| S.No. | Parameter                                | Description  |
|-------|--|--|
| 1.    | Problem Statement (Problem to be solved) | Heavy Rainfall may cause huge threat to all living beings, especially in the field of Agriculture. Droughts could do the same too. It may destroy the crops and cause huge loss to Farmers and dependent field workers. Predicting Rainfall is a major task in both summer and Rainy season. |
| 2.    | Idea / Solution description              | Analysing the previous 10 years datas can give us a rough idea about Rainfall pattern. Using Data Science, we could solve this and predict the Rainfall upto some good extent.   |
| 3.    | Novelty / Uniqueness                     | AI, IOT and so many other fields may require different sensors. We are not going to use any kind of equipment. Time of prediction is very less and easy with affordable cost.  |
| 4.    | Social Impact / Customer Satisfaction    | Farmers (they save crops and money), Vegetable sellers( they knows about vegetable stocks and its emergency)   |
| 5.    | Business Model (Revenue Model)           | This could cost really low as a person should develop knowledge in Data science and probably a gadget to develop this. However, deploying as an App attached with other facilities may cost an extra charge.   |
| 6.    | Scalability of the Solution              | Farmers, Vegetable sellers, Citizens   |