**Project Design Phase-II**
**Solution Requirements (Functional & Non-functional)**

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|---|---|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID32615 |
| Project Name | Exploratory Analysis of RainFall Data in India for Agriculture |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---|---|---|
| FR-1 | Dashboard | User gives inputs such as temperature,humidity,sunshine. etc where these are dependent factors which predict whether there is rainfall tomorrow or not.. |
| FR-2 | Visualization | Visualization of data based on days, weeks,months and year. |
| FR-3 | Prediction | Giving inputs to get the prediction on rainfall using an ML-based model |
| FR-4 | Feedback & Support | User can post their queries,questions and we support them by replying |

**Non-functional Requirements:**

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | Simple user interface where user can navigate through different menu.<br>The system doesn't expect any technical prerequisites from the user's side |
| NFR-2 | **Reliability** | Portable and cross platform independent<br>Easy to use and flexible |
| NFR-3 | **Performance** | Response time will be faster.<br>Accuracy of the data and calculation depends on the dataset |
| NFR-4 | **Availability** | Available 24/7 |
| NFR-5 | **Scalability** | In future we can add additional features related to weather data |