**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 03October 2022 |
| Team ID | PNT2022TMID14038 |
| Project Name | Project – Exploratory Analysis of Rainfall Data in India for Agriculture |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration via form or email ID and password creation |
| FR-2 | User Confirmation | Confirmation via Email or OTP |
| FR-3 | User Login | Using the registered email ID and password as login credentials. |
| FR-4 | Profile Dashboard | Viewing the profile,changing the password and pages navigation |
| FR-5 | Searching | Searching for results and information by place and region |
| FR-6 | Visualization | Visualizing the user-specific data in different forms |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | * The system should administer a quality attribute that assesses how easy user interfaces are to use. * The system doesn’t expect any technical pre-requisites from the user’s side. |
| NFR-2 | **Security** | * Providing secure system networks then determine authenticity, originally and security. |
| NFR-3 | **Reliability** | * System will operate without failure for a specific period of time. |
| NFR-4 | **Performance** | * The system should handle the traffic efficiently and service requests while consuming less bandwidth. * The accuracy of the result of a measurement, calculation, or specification should be dependent the datasets. * The page should not take a lot of time to load the contents and display them. |
| NFR-5 | **Availability** | * Available to different groups of farmers including women, older persons, etc. |
| NFR-6 | **Scalability** | * In our model, prediction of data will be faultless. |