**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID12415 |
| Project Name | Project – Exploratory analysis of rainfall 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 | Check weather | Customer can check the rainfall by giving region and month as inputs. |
| FR-2 | Suggest crop | With the predicted rainfall, the crops would be suggested to the farmers for higher productivity |

**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 farmers and other people can easily use the application and it is user friendly no prior knowledge is required for using it. |
| NFR-2 | **Security** | All data will be protected against malware attacks. |
| NFR-3 | **Reliability** | The system will provide the prediction without any errors. |
| NFR-4 | **Performance** | The expected output will be produces immediately to the user without much delay. |
| NFR-5 | **Availability** | The system would be available 24/7 |
| NFR-6 | **Scalability** | The system would be available on web application and any user can login and use it without any disruptions. |