**Project Design Phase-II**

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

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| Date | 18 November 2022 |
| Team ID | PNT2022TMID47137 |
| Project Name | Project - Natural Disaster Intensity Analysis and Classification Using Artificial Intelligence. |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-  1 | **Usability** | Classifying disasters and zone prone to it. |
| NFR-  2 | **Security** | User details must be secured. |
| NFR-  3 | **Reliability** | The output procedure should be reliable to the users. |
| NFR-  4 | **Performance** | The system should be able to handle many users without performance deterioration. |

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 through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Profile | Personnel details |
| FR-4 | Information about weather forecast | Helps to determine future climate changes |
| FR-5 | Display the forecast of the place | Such as precipitation, humidity, wind |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| NFR-  5 | **Availability** | The system should be accessible to a user at a given point in time. |
| NFR-  6 | **Scalability** | The website pages should load fast with the total number of simultaneous users. |