PROJECT DESIGN PHASE-II

Solution Requirements (Functional & Non-functional)

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID20222 |
| Project Name | Project - Natural Disasters Intensity Analysis And  Classification Using Artificial intelligence |
| 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 through an online application using Gmail. |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | User Preparation | Ensures safety of all people and provision of food. |
| FR-4 | User Evacuation | Safe evacuation ways would be advised. |

# 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** | Prediction of disaster intensity can be done with  ease. |
| NFR-2 | **Security** | The secure pattern shares components with monitor and control for logging and control access for  providing audit trails. |
| NFR-3 | **Reliability** | High reliability since it deals with lives of people. |
| NFR-4 | **Performance** | Depends on the throughput of the application and feed of images(dataset). |
| NFR-5 | **Availability** | It is available 24/7 as far as WIFI exists. |
| NFR-6 | **Scalability** | Disaster can affect people that can be examined by  taking note of the number of fatalities and injuries. |