

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

Date	03 October 2022
Team ID	PNT2022TMID29928
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.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through organisation
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Accessibility	Confirmation of accessibility for image data to certain organisation via email provided
FR-4	User Accessibility 2	Accessible to instant weather data.
FR-5	Location Accessibility	Gain access to user location via mobile GPS to show the instant Landslide effects
FR-6	Internet Availability	Internet is required to access the web page.

Non-functional Requirements:

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

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 control for logging and control access for audit.
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 can be made available 24/7.
NFR-6	Scalability	Disaster can affect people that can be examined by taking notes of the number of fatalities and injuries