

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

Date	16.10.2022
Team ID	PNT2022TMID47540
Project Name	Natural Disaster 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	Sub Requirement
FR-1	User Registration	Registration through GMAIL. Registration through Linked IN.
FR-2	User Confirmation	Confirmation via Email. Confirmation via OTP.
FR-3	Authorization levels	Normal user. Premium user.
FR-4	External Interfaces	Database.
FR-5	Transaction processing	Sender's search details are send to the Database. Database is send the results to application.
FR-6	Reporting	User can any feedback he is report in our application.
FR-7	Business rules	Premium users only can access the categorical data. Premium users are get offline search feature.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Search results can be delayed where there is no network get for online users.
NFR-2	Security	User's details will be very secured in our application.
NFR-3	Reliability	the database update process must roll back all related updates when any update fails.
NFR-4	Performance	The front page load time will be no more than 5 seconds for users that access the application.
NFR-5	Availability	the pages that experience problem then display a notification

NFR-6	Scalability	The application can be used by 2,00,000 users simultaneously.
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