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

Date	03 October 2022
Team ID	PNT2022TMID27942
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 Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Access to the location	Turn on the location.
FR-4	Input	Video feed from the camera.
FR-5	Processing	Processing the images and videos based on the available datas.
FR-6	Output	Alerts about the intensity of the disaster.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Can be used if there is proper internet connection and input.
NFR-2	**Security**	Users must change the initially assigned login password immediately after the first successful login. Moreover, the initial should never be reused.
NFR-3	**Reliability**	Gives accurate information and can be used anytime.
NFR-4	**Performance**	Good user experience and ease of operating the application. Latency is very low.
NFR-5	**Availability**	The application is available all the time and can be accessed at anytime.
NFR-6	**Scalability**	Assesses the highest workloads. The application is scalable enough to support 1,000,000 visits at the same time while maintaining optimal performance.