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

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Date	20 October 2022
Team ID	PNT2022TMID39414
Project Name	Natural Disaster Intensity Analysis and Classification Using Artificial Intelligence
Maximum Marks	4 Marks

Functional Requirements

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	**LOGIN**	Login by giving mobile number, gmail or google account and their location.
FR-2	**ALERT**	The alert message is given to all the users when the cyclone hits.
FR-3	**MONITORING**	Continuous monitoring of cyclone and climatic changes.
FR-4	**REPORTS**	Keeping the records of the previous cyclone and refer news from meteorologist for live updation.
FR-5	**END USERS**	The information is sent to the farmers using the database.
FR-6	**END GOAL**	Inform to farmers about the cyclone and its intensity.

Non-functional Requirements

FR No.	Non-Functional Requirement	Description
NFR-1	**USABILITY**	While using this system, people turn on their current location. They receive alert message as notification. The local officials can also inform and guide their nearby people and farmers by an alert message.
NFR-2	**SECURITY**	It does not share any personal information to strangers. Their information are to be encrypted and will not be leaked.
NFR-3	**RELIABILITY**	As the details collected from satellite image and meteorologist and updated details in this system, so it is trust worthy.
NFR-4	**PERFORMANCE**	It runs in minimum storage space. It will run efficiently when 1000 users login at same time.

NFR-5	**AVAILABILITY**	It should be available in all Android phone and laptops.
NFR-6	**SCALABILITY**	As the product we created is of user friendly and it will be very useful for farmers and agriculture.