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

Date	19 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 the app by giving mobile no. 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 the app, 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**	This app 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 app, so it is trust worthy.
NFR-4	**PERFORMANCE**	The app should run in minimum storage space. It will work without any bugs.

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.