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

Date	19 October 2022
Team ID	PNT2022TMID33686
Project Name	**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	Functional	Sub Requirement (Story / Sub-Task)
FR -1	Natural disasters destroys the properties and critical	To tackle this problem we proposed a multilayered deep convolutional neural network.
FR -2	Studies analyzing the intensity of	It has a candidate smoke region segmentation strategy using an advanced network architecture.
FR -3	The use of man power is difficult in case of natural disaster occurence in hilly areas due to maintenance issue of	Therefore auto pilot aerial equipment is used to gather images and content from the aerial images needs to be identified.
FR -4	Build a Neural Network with a number of nodes in the input layer equal	Nil
FR -5	Activating the Neural Network	Packages – tensorflow

Non-functional Requirements:

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

FR	Non-Functional Requirement	Description
NFR -1	**Usability**	System design should be easily understood and user friendly to users. Furthermore, users of all skill levels of users should be able to navigate it without problems.

NFR-2	**Security**	The system should automatically be able to authenticate all users with their unique username and password
NFR-3	**Performance**	Should reduce the delay in information when hundreds of requests are given.
NFR-4	**Availability**	Information is restricted to each users limited access
NFR-5	**Scalability**	the system should be able to handle 10000 users accessing the site at the same time