Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	**03October 2022**
Team ID	**PNT2022TMID30630**
Project Name	**Natural Disasters Intensity Analysis and Classification using Artificial Intelligence**
Maximum Marks 4 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	Reporting	Markets in Financial Instruments Directive II, Monetary Authority of Singapore, Artificial Intelligence reporting
FR-2	Compliance to Laws or Regulations	Robust and Reliable Safe and Secure.
FR-3	External Interface	Virtual agents and natural language generation.
FR-4	Business Rules	support data-based decisions and is not an autonomous system.
FR-5	Authentication	support data-based decisions and is not an autonomous system.
FR-6	Transaction Processing	Dubbed IBM z16, Big Blue.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Used for protecting infrastructure, people, social and natural environment, reliance performance and fast recovery.
NFR-2	Security	Artificial intelligence product helps security personnel detect threats by scanning the underside of passing vehicle
NFR-3	Reliability	AI can help disaster management teams assign risk scores to public and private properties, enabling them to gauge infrastructure vulnerability in the event of a catastrophe. AI for disaster recovery would be to analyze real -time CCTV footage to identify emergencies and sound the alarm.
NFR-4	Performance	AI systems can detect urgency by analyzing the tone of speech, filtering out redundant or even less urgent calls and sorting them depending

		on the seriousness of the problem.
NFR-5	Availability	AI systems can detect urgency by analyzing the tone of speech, filtering out redundant or even less urgent calls and sorting them depending on the seriousness of the problem.
NFR-6	Scalability	Roughly 6,800 natural disasters take place every year, around the globe. It indicates that almost 68,000 people lose their lives.