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

Date	03 October 2022
Team ID	PNT2022TMID34045
Project Name	Emerging Methods for Early Detection of Forest Fire
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	MODIS	It helps scientists determine the amount of water vapor in a column of the atmosphere and the vertical distribution
FR-2	GSAT-31	It is used for VSAT networks, television uplinks, digital signage new gathering, DTH services and other communication systems.
FR-3	Telstar 1	It was the first technology to support transatlantic television transmissions.
FR-4	ASTER	It provide high-resolution images

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	They provide information and services to support global communications, the economy, security and defence, safety and emergency management, the environment **and health.**
NFR-2	**Security**	This allows a ground station to track a satellite's position and control the satellite's propulsion, thermal, and other systems.
NFR-3	**Reliability**	The proposed method has high operating efficiency.
NFR-4	**Performance**	The performance of the system is better
NFR-5	**Availability**	It is fastly growing and it will continue to expand in the future
NFR-6	**Scalability**	It is highly dynamic system