

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

Date	25 October 2022
Team ID	PNT2022TMID33969
Project Name	Emerging Methods for Early Detection of Forest Fires
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	ASTER	It provide high-resolution images
FR-2	CERES	Its purpose is to measure Earth's radiation budget and atmospheric radiation
FR-3	MISR	It is created to multiple angle observation.
FR-4	MODIS	It was designed to measure high-priority atmospheric, land surface features on a global basis

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It takes simultaneous measurements of Earth's atmosphere, land to understand how Earth is changing.
NFR-2	Security	It shut down all non-essential system.
NFR-3	Reliability	The proposed method has high operating efficiency.
NFR-4	Performance	The performance of the proposed system is better, so it can be considered suitable for forest fire monitoring.
NFR-5	Availability	It is rapidly growing and will continue to expand in the future.
NFR-6	Scalability	It is a highly dynamic system that can readily adapt and grow in strength and utility.

