

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

Date	03 November 2022
Team ID	PNT2022TMID50335
Project Name	Project – 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	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Rules	Early detecting ,signal transmitting,decision making
FR-4	External interface	The WUI is the zone of unoccupied land and human

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Detection of forest fire and smoke in wet land areas is done through remote sensing based methods such as high resolution static camera fixed on the ground .
NFR-2	Security	Forest fire detection should be done in a highly secured manner
NFR-3	Reliability	Compared with traditional technique wireless network technology is a very promising green technology for efficiency detect fires.
NFR-4	Performance	The forest fire detection system uses a transmitting location data along.it takes very less time.it is more flexible.
NFR-5	Availability	Application gives live information alerts immediately

NFR-6	Scalability	Applications of sensors and solar power to detecte and inform can help to reduce fire
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