

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	13 October 2022
Team ID	PNT2022TMID52970
Project Name	Emerging Methods for Early Detection of Forest Fire

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	User Login	Login with the given credentials
FR-4	User Profile	Profile with emergency contacts and live activities in the forest
FR-5	User Application	Application to intimate and alert the forest officer and rescue team

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Alerts to prevent massive damage
NFR-2	Security	Live monitoring of forests from trespassers
NFR-3	Reliability	Detection will be accurate even in snowy regions
NFR-4	Performance	The project will enable an alert system for early detection
NFR-5	Availability	Available to forest officials, Rescue team and government organizations
NFR-6	Scalability	Will be able to scale for larger range of inhabited forests