

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

Date	13 October 2022
Team ID	PNT2022TMID32928
Project Name	Project - 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	User Feed	Update and info about Forest fire occurrence available
FR-2	User Update	Update about detection of fire to the user.
FR-3	User Notification	Alert message will be sent to the user incase of emergency

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Monitor the forest and alert message will be provided to the user at once if fire is detected
NFR-2	Security	Twilio is certified under ISO/IEC 27001, secures data between customer applications, and supports TLS 1.2 encryption.
NFR-3	Reliability	More reliable ,used for detection of large scale of area and gives information to the user
NFR-4	Performance	Ensures early detection of fire with 87% precise info
NFR-5	Availability	Available 24/7 to the user and keeps updated