

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

Date	13 October 2022
Team ID	PNT2022TMID25532
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	User Registration	Registration through Gmail Registration through Google authentication
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User can demo the application if fire detects or not using sample video	Demonstrate the application
FR-4	User can monitor the forest using CCTV camera	Access camera using CCTV
FR-5	User can receive fire alert	If the fire is detected alert through Twilio API

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Easy to use and feature are easy to use
NFR-2	Security	Must protect the user data
NFR-3	Reliability	Able to produce accurate results
NFR-4	Performance	Immediately sends the alert message without delay
NFR-5	Availability	Application runs 24/7 time
NFR-6	Scalability	Application is easily modifiable and increase the accuracy and reduce time