

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

Date	14 October 2022
Team ID	PNT2022TMID32813
Project Name	Emerging Methods for Early Detection Of Forest Fires

**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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login using credentials
FR-4	User Search	Search for Info on forest fire occurrence
FR-5	User Profile	User shall be given a live feed of the forest
FR-6	User Application	User is alerted if there is an forest fire occurrence in their surroundings

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Alerts according to the user location
NFR-2	<b>Security</b>	Instant live feed with alert of the situation
NFR-3	<b>Reliability</b>	The prediction of the forest fire is 87% accurate
NFR-4	<b>Performance</b>	The feed and the alert message is an immediate action without a lag
NFR-5	<b>Availability</b>	The application gives alerts and live feeds 24/7
NFR-6	<b>Scalability</b>	Early detection and alerting users are done efficiently and in a faster means