

Solution Requirements (Functional & Non-functional)

Date	18 October 2022
Team ID	PNT2022TMID24892
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

Sn. No	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
1.	User Registration	Registration through G-mail Registration through Company Profile
2.	User Confirmation	Get confirmation through OTP Get confirmation through mail
3.	User Login	User can login through credentials
4.	User Feed	The user gets the live update of the forest cover if there is any detection of fire.
5.	User Profile	The forest management has it's workers profile created to give them live track of the forest.
6.	User Alert	If any fire is detected the user receives the quick response through alert sound or messages.
7.	User Application	Along with the forest management team the citizens residing nearby forest can also download the application for alerts.

Non-functional Requirements:

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

Sn. No.	Non-Functional Requirement	Description
1.	Usability	Monitoring possible danger areas and early fire detection can greatly reduce the response time, as well as the potential damage and firefighting expenses.
2.	Security	More secure environment.
3.	Reliability	Model is safe to install.
4.	Performance	Model will achieve high accuracy.
5.	Availability	Build model is available all the time.
6.	Scalability	The instant alerts received by the forest team can ensure to detect the fire at a earlier stage.