Solution Requirements (Functional & Non-functional)

Date	25 October 2022
Team ID	PNT2022TMID37567
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.
2.	User Confirmation	Confirmation through OTP. Confirmation through mail.
3.	User Login	Can login through credentials.
4.	User Feed	The live update of the forestcover is sent to user if there is any detection of fire
5.	User Profile	The workers profile created to give the forest management live track of the forest.
6.	User Alert	The user receives thequick response through alert sound or Messages,if any fire is detected.
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 and potential damage.
2.	Security	The environment is more secure.
3.	Reliability	The installment of model is safe.
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 is ensured.