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

Date	14 October 2022
Team ID	PNT2022TMID21552
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 Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Accurate model	The model gives accurate results for detection of forest fires.
FR-4	Good hardware	To obtain high quality images to perform real time detection
FR-5	Cloud	We need cloud for storage and deploying the application
FR-6	Website	Easy to use and navigate website that send alerts to authorities when forest fire is detected.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The interface will be easy to use and very user friendly and can be used by anyone.
NFR-2	**Security**	The application will be secure and safe to use.
NFR-3	**Reliability**	It will be taken care such that the application only produces highly accurate results and will accurately detect forest fires.
NFR-4	**Performance**	The model will perform detection in few seconds.
NFR-5	**Availability**	It will be available 24/7 will minimal downtime to continuously monitor
NFR-6	**Scalability**	The project is highly scalable and can be scaled up to monitor and detect forest fires in large forest or can also be scaled down to monitor and detect forest fires in particular areas alone