

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

Date	31 October 2022
Team ID	PNT2022TMID37632
Project Name	Project – Emerging Methods for early detection of forest fire.
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	Video surveillance start	The surveillance through remote control for observation.
FR-2	Forest monitoring	Continuous monitoring like reporting and verification are done with camera.
FR-3	Detect fire	CNN model is used for the purpose of detecting fire.
FR-4	Alert	Alert message is popped to the forest officers in case of any disaster.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Helps users to perform tasks effectively
NFR-2	<b>Security</b>	More secure environment
NFR-3	<b>Reliability</b>	Model is safe to install
NFR-4	<b>Performance</b>	Model will achieve high accuracy
NFR-5	<b>Availability</b>	Build model is available all the time
NFR-6	<b>Scalability</b>	Increased performance is guaranteed