

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

Date	16 October 2022
Team ID	PNT2022TMID18327
Project Name	Project - Emerging Methods for early detection of forest fire

**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	Start surveillance through remote control
FR-2	Forest monitoring	Continuous monitoring through camera
FR-3	Detect fire	Fire is detected through CNN model
FR-4	Alert	Alert the forest officials through message

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Reliability</b>	Model is safe to install
NFR-2	<b>Security</b>	More secure environment
NFR-3	<b>Availability</b>	Build model is available all the time
NFR-4	<b>Performance</b>	Model will achieve high accuracy