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

Date	30 October 2022
Team ID	PNT2022TMID44045
Project Name	Project – Emerging method of early detection for forest fire detection
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	surveillance is achieved by remote control
FR-2	Forest monitoring	24-hour video surveillance is done by artificial intelligence
FR-3	Detect fire	Fire is detected through CNN and sensors(for analysing fire smoke)
FR-4	Alert	Alert will be send through alarm to the higher afficials

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Early detection is helpful to avoid disaster
NFR-2	**Security**	24-hours security is available
NFR-3	**Reliability**	It is more reliable because it is the combination of all idea to forest fire detection.
NFR-4	**Performance**	Early detection is happen, so the performance is good which what do we want.
NFR-5	**Availability**	Availability is 24-hours and if the system repair then the recovery of the system is also be done fast.
NFR-6	**Scalability**	The system provides the early detection as much as possible so scalability is done.