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

| Date | 31 October 2022 |
|---|---|
| Team ID | PNT2022TMID34010 |
| 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 | **Usability** | Helps users to perform tasks effectively |
| NFR-2 | **Security** | More secure environment |
| NFR-3 | **Reliability** | Model is safe to install |
| NFR-4 | **Performance** | Model will achieve high accuracy |
| NFR-5 | **Availability** | Build model is available all the time |
| NFR-6 | **Scalability** | Increased performance is guaranteed |