

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

| | |
|---------------|---|
| Date | 17 October 2022 |
| Team ID | PNT2022TMID27371 |
| 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 | 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 | Reliability | Model is safe to install |
| NFR-2 | Security | More secure environment |
| NFR-3 | Availability | Build model is available all the time |
| NFR-4 | Performance | Model will achieve high accuracy |