**Project Design Phase-II**

**Solution Requirements (Functional & Nonfunctional)**

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| **Date** | 31 October 2022 |
| Team ID | **PNT2022TMID48018** |
| 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.

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| --- | --- | --- |
| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
| FR-1 | Video surveillance start | Sub Requirement (Story / Sub-Task) |
| 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.

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