Project Design Phase-II

Solution Requirements (Functional & Non- functional)

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID43466 |
| Project Name | Emerging Methods For Early Detection Of Forest Fires |
| 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 | 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.

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| **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 |