**ProjectDesignPhase-II**

**Solution Requirements (Functional & Nonfunctional)**

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| Date | 30 October 2022 |
| TeamID | PNT2022TMID34251 |
| ProjectName | Project - Emerging Methods for Early Detection of Forest Fire |
| MaximumMarks | 4 Marks |

**FunctionalRequirements:**

Following are the functional requirements of the proposed solution.

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| **FRNo.** | **Functional**  **Requirement(Epic)** | **SubRequirement(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 CNNmodel |
| FR-4 | Alert | Alert the forest officials through message |

**Non-functionalRequirements:**

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

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| **FRNo.** | **Non-FunctionalRequirement** | **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 |