Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 17 October 2022 |
| Team ID | PNT2022TMID12252 |
| 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 | User Registration | Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Login | Login using credentials |
| FR-4 | User Search | Search for Info on forest fire occurrence |
| FR-5 | User Profile | User shall be given a live feed of the forest |
| FR-6 | User Application | User is alerted if there is a forest fire occurrence intheir surroundings |

# 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 | **Usability** | Alerts according to the user location |
| NFR-2 | **Security** | Instant live feed with alert of the situation |
| NFR-3 | **Reliability** | The prediction of the forest fire is 87% accurate |
| NFR-4 | **Performance** | The feed and the alert message an immediate action without a lag |
| NFR-5 | **Availability** | The application gives alerts and live feeds 24/7 |
| NFR-6 | **Scalability** | Early detection and alerting users are done efficiently and in a faster means |