

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID06660 |
| Project Name | Project – EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES |
| 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 | 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 in their surroundings |

Non-functional Requirements:

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

| 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 |