Project Design Phase-I

# Solution Requirements (Functional & Non-functional)

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| Date | 03October 2022 |
| Team ID | PNT2022TMID40555 |
| 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 | *First resgister and then sing in to the mobile app then register successfully done.* |
| **FR-2** | User Confirmation | *User using the user interface in mobile app.* |
| **FR-3** | User specification | *More and more specification is provided mobile app.* |
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Non-functional Requirements**:**

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

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| FRN o. | Non-Functional Requirement | Description |
| **NFR-1** | Usability | Emerging Methods for Early Detection of Forest Fires Using Unmanned Aerial Vehicles and Lorawan Sensor Networks. |
| **NFR-2** | Security | [The Concept of Human Security as a Basis for the Application of Big Data Concept in Establishment of Early Warning System for Crisis Management in the Republic …](https://hrcak.srce.hr/clanak/345063) |
| **NFR-3** | Reliability | *Present an approach to test the reliability of fire detection system use case in West …* reliability by measuring sensor accuration and system response time *in****early******detection****of****forest******fire*** |
| **NFR-4** | Performance | *To contribute to future research projects for the development of****early******warning******fire****systems. … the* three categories *of****early******fire******detection****systems in terms of the****performance*** AccuracyLow power consumptionLess complexity |
| **NFR-5** | Availability | ***Rapid****development of freely****available****remote sensing data with* high resolution and repeatability *has resulted in its adoption towards a wide range of applications, including* |
| **NFR-6** | Scalability | ***Early******detection****of heat is possible and this allows an* early alarm in real time when the forest fire occurs*, alerting people to extinguish****forest******fires*** |