

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

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| Date | 19 October 2022 |
| Team ID | PNT2022TMID16363 |
| Project Name | INDUSTRY SPECIFIC – INTELLIGENT FIRE MANAGEMENT SYSTEM |
| 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 Form Registration through Gmail Registration through Mobile |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP through GSM |
| FR-3 | Fire Detection Monitoring | In Industry we monitor the fire detection using sensors like temperature sensor, flame sensor etc. |
| FR-4 | Intimating fire in industry | In case, fire occurs in industry we intimate the message through mobile application. |
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Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | Simple and economic and easy to use. |
| NFR-2 | Security | The mobile application is highly secured and the embedded voice message alert is used in industry. |
| NFR-3 | Reliability | It is highly reliable and the web application runs accurately. |
| NFR-4 | Performance | Sensors maintain the records and sends it to the cloud. |
| NFR-5 | Availability | If fire occurs in industry we intimate the information to people through message. The sensors detects 24 hours (24/7) and intimate quickly to the management and fire station. |
| NFR-6 | Scalability | Highly scalable and easy to use. |