**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID52758 |
| Project Name | Project - Industry Specific Intelligent Fire Management Studies |
| 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 | Assemble the model | Place the sensors in appropriate locations |
| FR-2 | Test the Hardware | Test for the proper working of the sensors |
| FR-3 | User Registration | Create user accounts for the required software incorporated in the model |
| FR-4 | Test the Software | Check for the proper delivery of alerts and SMS |
| FR-5 | Test the data storage | Check for the proper storage of sensor data in the database |

**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** | The model is used in small scale industries involving flammable chemical substances |
| NFR-2 | **Security** | The model ensures security for the workmen in the industry by taking necessary actions in case of any misfortune. |
| NFR-3 | **Reliability** | The model is highly reliable as it consumes less power |
| NFR-4 | **Performance** | The model provides ample performance in delivering alerts and SMSs to the concerned authority |
| NFR-5 | **Availability** | The model gives instant response to the user |
| NFR-6 | **Scalability** | The model is scalable for implementing it in large scale industries |