**Project Design Phase-II**

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

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| Date | 28 October 2022 |
| Team ID | PNT2022TMID40213 |
| Project Name | Industry-Specific Intelligent Fire Management System |
| 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 Requirements** | Workers and Product Protection Automatic Sprinkler System  Monitors Smoke ,Gas and Temperature |
| FR-2 | **User Registration** | Manual Registration Registration through webpage Registration through Form  Registration through Gmail |
| FR-3 | **User Confirmation** | Confirmation via Phone  Confirmation via Email Confirmation via OTP |
| FR-4 | **Payment Options** | Cash on Delivery Net Banking/UPI  Credit/Debit/ATM Card |
| FR-5 | **Product Delivery and Installation** | Door Step delivery Take away  Free Installation and 1 year Warranty |
| FR-6 | **Product Feedback** | Through Webpage Through Phone calls Through Google forms |

# 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** | Have a clear and self-explanatory manual. Easier to use.  Easily accessible by everyone. |
| NFR-2 | **Security** | Are inspected monthly by the Fire Alarm Technician. Inspected and tagged by a contractor annually. |

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| NFR-3 | **Reliability** | Hardware requires a regular checking and service  ..Software may be updated periodically.  Immediate alert is provided in case of any system failure. |
| NFR-4 | **Performance** | The equipment must have a good user interface It should have a minimal energy requirement  It has to save lives of people and things |
| NFR-5 | **Availability** | All the features will be available when the user requires. It depends on the need of the user and the customization of the user has done. |
| NFR-6 | **Scalability** | The product has to cover all the space of industry irrespective of the size or area. |