

Project Design Phase-I
Proposed Solution

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| Date | October 2022 |
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| Project Name | Project – Industry-Specific Intelligent Fire Management System |
| Maximum Marks | 2 Marks |

Proposed Solution :

| S. No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | Recently, it has sometimes been impossible for the fire-fighters to access the site of fire, that causes tremendous property damage due to high temperature or the explosive materials. |
| 2. | Idea / Solution description | The industry-specific intelligent fire management system provide a great level of fire safety by pinpointing the exact location of fire that allows the fire-fighter to respond more quickly and effectively to prevent from accidents. |
| 3. | Novelty / Uniqueness | Thus it is an IOT based intelligent fire management system, it starts the preventive measures by itself before the fire-fighting personnel reach the site by receiving the SMS alert from the device. |
| 4. | Social Impact / Customer Satisfaction | The proposed solution effectively uses the sensors and sense the true occurrence of the fire. If fire is detected, the sprinklers will be switched on. If any gas is detected, the exhaust fan will be switched on so as to prevent from fire accidents which causes tremendous loss of prosperity and life. |
| 5. | Business Model (Revenue Model) | The Industry-Specific intelligent fire management system is designed in such a way that it should be profitable as compared to the conventional method and it is reliable compared to conventional method. |

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| 6. | Scalability of the Solution | The Industry-Specific Intelligent Fire management system provide a great deal of flexibility in comparison to conventional system. Because it requires less wire and its control panel can accommodate far more devices. |
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