# Project Design Phase-I

## Proposed Solution Template

| Date | October 15 2022 |
|---|---|
| **Team Id** | PNT2022TMID11775 |
| **Batch Id** | B10-4A6E |
| **Project Name** | Industry-specific intelligent fire management system |
| **Maximum Marks** | 2 marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

| S.No. | Parameter | Description |
|---|---|---|
| 1. | **Problem Statement (Problem to besolved)** | False alarms are always a serious issue because they cost fire departments a lot in wasted resources including money, time, and labor. |
| 2. | **Idea / Solution description** | By supplying drift correction, which allows users to differentiate between quick changes brought on by an actual fire and gradual changes brought on by pollution such as dust. |
| 3. | **Novelty / Uniqueness** | To locate defective equipment and speed up their repair or replacement, it can send maintenance alerts and trouble signals to the control panel. |
| 4. | **Social Impact / Customer Satisfaction** | <ul><li>Fire detection systems boost response times because they can warn the right individuals to put out the fire, which is beneficial to users.</li><li>high fire detection security and low human danger</li></ul> |
| 5. | **Business Model (Revenue Model)** | 1. lessens the degree of property damage.<br>2. Sprinklers that respond instantly to detected fires can be connected to fire detection systems.<br>3. Cost-effective installation, high security |
| 6. | **Scalability of the Solution** | Because several sensors are used to detect smoke, it has high scalability and produces fewer false alarms. |