

**Project Design**  
**Phase-I Proposed Solution**  
**Template**

Team ID	PNT2022TMID48285
Project Name	Industrie Specific Fire Management system
Marks	Maximum 2 marks

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> <li>Setting up the system is a difficult process.</li> <li>Power Supply is also one of the problems.</li> <li>The Biggest Challenges Faced by IoT in the Safety Sector are Lack of resource, High Adoption, Cost and Security Concerns, etc</li> </ul>
2.	Idea/Solution description	<ul style="list-style-type: none"> <li>As is the case of precision Industry-specific intelligent fire management system Enables Industries better to monitor the safety and maintain the security level accordingly.</li> <li>The Data collected by sensors, in terms of safety, and Security detections help in determining the safety pattern in Industries.</li> </ul>

3.	Novelty/ Uniqueness	<p><b>ALERT MESSAGE</b> – IoT sensor nodes collect information from the Industry environment, such as smoke, air humidity, temperature then transmit collected data to IoT backhaul devices.</p> <p><b>REMOTE ACCESS</b> – It helps the to operate the system from anywhere.</p>
4.	Social Impact/ Customer Satisfaction	<ul style="list-style-type: none"> <li>• Reduce the fire accident in the Industries.</li> <li>• It saves a lot of time.</li> <li>• IoT can help improve production in the industries.</li> <li>• It helps the workers in the industries to work confidentially for their safety.</li> <li>• IoT can also help e-commerce businesses thrive and increase sales.</li> <li>• It makes a secured society</li> </ul>
5.	Business Model (Revenue Model)	<p>Revenue (No. of Users vs Months)</p> <div> <div>User</div> <div>Months</div> </div>
6.	Scalability of the Solution	<p>Scalability in smart safety refers to the adaptability of a system to increase the capacity, for example, the number of technology devices such as sensors and actuators, while enabling timely analysis.</p>