

Team ID : PNT2022TMID11820

PROJECT PHASE -I

PROPOSED SOLUTION

TEAM ID	PNT2022TMID11820
PROJECT NAME	Hazardous Area Monitoring for Industrial Plant powered by IoT

Proposed Solution:

S.NO	PARAMETER	DESCRIPTION
1.	Problem Statement (Problem to be solved)	1)To ensure more safety to the people working in hazardous area. 2)To help them monitor and ensure safety to the place they visit inside the industry more confidently. 3)Improving the living standard by providing real time analysis.
2.	Idea /Solution description	Our product collects the data from different types of sensors and it sends the value to the main server. The ultimate decision is to shield the workers from the hazard prone area and safeguard their lives using mobile application.
3.	Novelty /Uniqueness	It depends on IOT thus eliminating the need of physical work of the employees. Online assistance providing in depth knowledge to manage hazardous waste.
4.	Social Impact / Customer Satisfaction	Awareness camps organized to teach the importance and advantages of the automation and IoT in the development of Hazardous area monitoring. Information are collected from reliable sources and hence the workers could take more precise decisions.
5.	Business Model (Revenue Model)	Hazardous area monitoring is an advanced and innovative way to keep the employees more safe and minimize the human efforts by real time analysis.
6.	Scalability of the solution	Automatic adjustment is made feasible by integrating information such as gas and

		temperature monitoring. With the use of sensors, it has enabled workers to manage hazardous waste and leakage of gases.
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