Project Design Phase-IProposedSolutionTemplate

Date	16October2022
Team ID	PNT2022TMID26579
ProjectName	GasLeakageMonitoringandAlertingSystem
MaximumMarks	2Marks

ProposedSolution:

S.No.	Parameter	Description
1.	ProblemStatement(Problemtobesolve d)	Gas leakage prompts different mishaps comingabout into both monetary misfortune as well ashuman wounds. In human's everyday existence, the environment gives the main effect on theirmedical problems. The risk of firing, explosion, suffocationall dependent heir actual properties such combustibility, harmfulness and so on. Thenumber of deaths because of the blast of gascylinders has been expanding as of late. The justification behind such explosions is because substandard cylinders, old valves, worn out regulators and absence of mindfulnes sutilizing gascylinders add to the dangers.
2.	Idea/Solutiondescription	Workers who are engaged with a busy industrywork with gas either harmful or harmless needsawaytomonitortheirgaspipelinescontinuo uslyanddetectearlyifthereisanyleakage of gas in their surroundings so that theycan work efficiently on major crises rather thanworrying about monitoring or leakage of gas,thiswillindeedreducethemanpowerofthat industryandcreateapeacefulenvironment.
3.	Novelty/Uniqueness	Even though there are many existing solutionsfor this problem they failed to satisfy the needsofcustomer. Some of the solutions are only detecting some gases where some others failed to alert the main department and other solutions are with some delays.
4.	SocialImpact/CustomerSatisfaction	Our solution will be very helpful for the workersand the society which is associated or locatednearby the industries. Our solution will preventgreat disasters like Bhopal Gas Tragedy so thatsomanylivescanbe saved. Through this project the workers mental pressure will be reduced so that they can concentrate on other works or by relaxing them. It is cost efficient and easy for installation.

5.	Business Model (Revenue Model)	The main target of our solution is Industries
		sowe have planned to visit industries and
		explainthemaboutthebenefitsofourproducts.So
		thattheycanawareoftheimportanceofthissolutio
		nanduseitproperlyfortheirsafest
		organization.
6. ScalabilityoftheSolution	ScalabilityoftheSolution	Oursolutioncanbeintegratedforfurtherfutureus
		e because the solution we have provided
		willbelayonthebasicorinitialstageofanyupgrade
	dversion.Itwillgivetheaccurate	
		values.