**Project Design Phase-I**

**Proposed Solution**

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| Date | 07 OCTOBER 2022 |
| Team ID | PNT2022TMID15971 |
| Project Name | Hazardous Area Monitoring for Industrial Plant powered by IoT |
| Team Members | DevaDarshini S , Amancharla Vishnupriya, Dandolu Sujitha, V R Aruna |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Develop an efficient system & an application that can monitor and alert the users(workers) |
|  | Idea / Solution description | * This work describes a smart monitoring system for the detection of flammable gas residues, toxic gases and reduced oxygen concentration. * The proposed system aims at reducing the risk of fires and explosions, thus increasing the safety of workers engaged in maintenance or inspection of gas storages. |
|  | Novelty / Uniqueness | * Fastest alerts to the workers * User friendly * Monitored from time to time |
|  | Social Impact / Customer Satisfaction | * Cost efficient * Better workability * Gives effective results |
|  | Business Model (Revenue Model) | * The product is advertised all over the platforms. Since it is economical, even helps small scale industries from disasters. * As the product usage can be understood by everyone, it is easy for them to use it properly for their safest organization |
|  | Scalability of the Solution | * Since the product is cost efficient, it can be placed in many places in the industries. * Even when the problem occurs, the product senses and alerts the workers effectively |