

Ideation Phase
Define the Problem Statements

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID08747 |
| Project Name | Gas Leakage Monitoring and Alerting System |
| Maximum Marks | 2 Marks |

ABSTRACT:

Internet of Things (IoT) technology has brought revolution to each and every field of common man's life by making everything smart and intelligent. IoT refers to a network of things which make a self-configuring network. The development of gas leakage location identification IoT based devices is day by day turning the face of environment free by not only enhancing it but also making it cost-effective and reducing pollution. Green Houses are frames of inflated structure covered with a transparent material in which crops are grown under controlled environment conditions such as temperatures, light control either shading or adding supplemental light, carbon dioxide levels, relative humidity, water, body nutrients and pest control. Information obtained from various sensors in the green house, all the readings are stored in the cloud under respective categories and can be seen by the user from application which will be designed with desired interface and options.

PROBLEM STATEMENT AND USE CASES:

The sensor near a gas will help us to identify and alert the user whether it leaks any more gas at that moment monitored through application. Thus increasing difficulties in gas leakage identification leads to the way of inventing many new technologies that will help the users to take some precautions to avoid pollution in environment.