Ideation Phase
Brainstorm & Idea Prioritization Template

Date	1 November 2022
Team ID	PNT2022TMID04007
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization :

Internet of Things aim towards making life simpler by automating every small task around us. As much is IoT helping in automating tasks, the benefits of IoT can also be extended for enhancing the existing safety standards. Safety, the elementary concern of any project, has not been left untouched by IoT. Gas Leakages in open or closed areas can prove to be dangerous and lethal. The traditional Gas Leakage Detector Systems though have great precision, fail to acknowledge a few factors in the field of alerting the people about the leakage. Therefore we have used the IoT technology to make a Gas Leakage Detector for society which having Smart Alerting techniques involving sending text message to the concerned authority and an ability performing data analytics on sensor readings. Our main aim is to proposing the gas leakage system for society where each flat have gas leakage detector hardware. This will detect the harmful gases in environment and alerting to the society member through alarm and sending notification.

Reference : https://www.mdpi.com/2673-4591/2/1/28/pdf

Step-1: Team Gathering, Collaboration and Select the Problem Statement

The leakage of gases only can be detected by human nearby and if there are no human nearby, it cannot be detected. But sometimes it cannot be detected by human that has a low sense of smell. Thus, this system will help to detect the presence of gas leakage

Step-2: Brainstorm, Idea Listing and Grouping

N.Jayapreetha

IoT-based reduction of electricity theft.

J.A.Smitha

IoT-based home automation system.

V.Rithika

Robotic vehicle controlled through touch screen-based device.

L.Sundari

Gas leakage and alerting system

Step-3: Idea Prioritization

Among the four topics gas leakage and alerting system is more cost efficient ,feasible, time conusuming also . nowadays sewage cleaning workers are died in the sewage cleaning .with our project we can save their life .so, we choose to do this project