Innovators' Compass

See the **BIG PICTURE**

Internet has now extended its roots to almost every possible thing present around us and is no more limited to our personal computers and mobile phones. Safety, the elementary concern of any project, has not been left untouched by IOT.

The system can be developed using Image Processing.
The system can also be developed using Iot.
The system can also be developed using AI.

Define
PRINCIPLES
What matters most? Why?

Dream
IDEAS
What could happen?

See the **PAST** & **PRESENT** in new ways

Center on
PEOPLE
Who could be involved?

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PREMA T
PAVEETHRA K R
SIRPIGA R
THASLIMA SHIRIN R

See the **FUTURE** in new ways

Discover
OBSERVATIONS
What's happening? Why?

Design
EXPERIMENTS
What's a way to try?

The gas cylinders are disposable, and have a volume of 1 litre. They contain 12 or 34 litres of gas. The cylinders are classified as dangerous goods for airfreight. Since the cylinders are lightweight, there will not be much difference in freight charges whether we ship 1 or 15 cylinders. Thus it is strongly recommended to structure the supply of calibration gases. We advise to order enough gas for around one year's worth of consumption, in order to lower the freight cost per cylinder and the frequency of supply.

The system consists of gas detector sensors, Arduino board, ESP8266 and Cloud server. Sensors will sense the value per time and the system will send the values to cloud server and the server will checkif the sensor values have increased the threshold value. If sensor value crosses the limit the server will sendthecommand to hardware for buzzing the alarm. Server also sends the notification message to user.

See the **DETAILS**