GAS LEAKAGE MONITORING AND ALERTING SYSTEM

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PROBLEM STATEMENT:

Gas leakage leads to various accidents resulting into both financial loss as well as human injuries. In human's daily life, environment gives the most significant impact to their health issues. Here in this project, we have all the features shown below.

ABSTRACT:

Gas leakages are one of the major reasons behind fires and blast accidents. Here we propose an automated gas detection and accident avoider system. The system automatically detects gas leakages. If the leakage is detected system automatically starts exaust fans. One exaust is used to suck the gas out of the room. While another fan is used to pull in fresh air from outside at the same time sending out an alert message to turn off the gas supply. The system efficiently avoids the chances of any fires or blasts which could have been caused due to gas leakage.

IDEA:

The main objective of the work is automatically air exhauste and sending out an alert message to turn off the gas supply.

TECHNICAL STACK:

- PYTHON
- IBMCloud
- Node-Red
- IBM IoTPlatform
- MIT AppInventor
- IBM cloudDB
- GSM

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