V.S.B. ENGINEERING COLLEGE, KARUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IBM NALAIYA THIRAN

TITLE	: GAS LEAKAGE MONITORING AND ALERTING SYSTEM	
DOMAIN NAME	: INTERNET OF THINGS (IoT)	
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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. The risk of firing, explosion, suffocation all are based on their physical properties such flammability, toxicity etc. The number of deaths due to the explosion of gas cylinders has been increasing in recent years. The reason for such explosion is due to sub standard cylinders, old valves, worn out regulators and lack of awareness using gas cylinders add to the risks. As a solution for the problem, a monitoring system of gas detector by wireless system needs to be developed in order to solve the problem. By monitoring system wirelessly, user can remotely view the condition of the home without them being there themselves.

EMPATHY MAP

SAYS
-> Wireless Safety Device
-> Useful Application for all

THINKS
-> Prevent the Explosion
-> Detect Combustible and Flammable gases

CUSTOMERS

DOES
-> Detects Gas Leakage
-> Notify by Buzzer
-> Notification message through Smart Phones

FEELS
-> Safe and Secure
-> Protective
-> Preventive measures