

PROJECT TITLE	AUTHOR	OBJECTIVE/OUTCOME
Wireless gas sensor network for detection and monitoring of harmful gases in utility areas and industries	P.C.Jain Rajesh Kushwaha	This work was carried out as a part of project "Development of low cost real time monitoring system for detection of harmful gases".
Gas Leakage Detection Based on IOT	V Suma Ramya R Shekar Kumar A Akshay	This paper puts forth a new proposed system which is a microcontroller based application of gas booking and gas detection systems using IOT. The main intention of this work is to ensure a safe and easier way of gas booking and leakage detection to avoid disasters that may occur due to negligence.
Gas Leakage Detection with Monitoring and Automatic Safety System (IOT)	S.M. Zinnuraain Mahmudul Hasan Md. Akramul Hakque Mir Mohammad Nazmul Arefin	The proposed system is mainly aimed for household purposes, where the user can be notified of the amount of LPG remaining in the cylinder so that necessary actions can be taken to pre-book a new cylinder without any hassle. Also, it notifies the user about any LPG leakage to take preventive action to avoid an explosion by sending data with the help of Wi-Fi communication system and with an automatic safety system.
IOT Device for Sewage Gas Monitoring and Alert System	Nitin Asthana Ridhima Bahl	This project aims at providing smart solutions to monitor poisonous sewage gases and works on a system of live sewage level detection and monitoring. Whenever a certain threshold is crossed, an alert is sent to the observer who is examining the conditions from a remote location. The information is then forwarded along with different gas ppm values indicating whether it is safe for the worker to clean or work in that environment or not.
Sleep Scheduling in Industrial Wireless Sensor Networks for Toxic Gas Monitoring	<u>Mithun Mukherjee</u> <u>Lei Shu</u> <u>Likun Hu</u> <u>Gerhard P. Hancke</u> <u>Chunsheng Zhu</u>	This article proposes a sleep scheduling scheme based on the hazardous classification of a gas leakage area in a petrochemical plant. The proposed scheme wakes up a minimum number of sleep nodes in a gas leakage area compared to the well known CKN algorithm that considers the entire region to meet the threshold zone coverage degree.
Embedded System for Hazardous Gas Detection and Alerting	V Ramya B Palaniappan	It is necessary that good safety systems are to be implemented in places of education and work. This work modifies the existing safety model installed in industries etc. It is a designed microcontroller based toxic gas detecting and alerting system.