



# Abu Dhabi Polytechnic

## Students' Graduation Project Abstract

<b>Department:</b>	EMET	<b>Semester:</b>	Spring-2022
<b>Project Title:</b>	Gas Leak Detector		
<b>Supervisor:</b>	Dr. Farhan Malik		

### Abstract:

Gas leaks are a major problem in industries, residential buildings, and gas-powered vehicles. If not detected, the leak can cause an explosion and serious damage to life and the environment. The traditional leak detection system uses on-site alarms to warn. In this article we propose a leak detection method in which the leak information is also sent to the first responder via the gsm module. This means that preventive measures are guaranteed immediately even when people are absent. The detection system uses a gas sensor to detect the leak and automatically trigger a warning call via gsm. The experimental results show that the system can detect the leak in less than a minute.