LPG gas leakage sensor with Alarm and autocut off light

Abstract— Home security has been a major issue where crime is increasing and everybody wants to take proper measures to prevent intrusion. In addition there was a need to automate home so that user can take advantage of the technological The project is aimed at developing the security of Home against Intruders, Gas Leak and Fire. In any of the above three cases any one met while you are out of your home than the device sends SMS to the emergency no provided to it.

The report consists of a background into the area of 8051 microcontroller and mobile communication, how they are interfaced to each other and AT commands set used in communication.

Index Terms— GSM, microcontroller, MODEM, software, mobile communication, bridge- rectifier, transformer, interfacing, SIM, LCD.