

LITERATURE SURVEY

A number of reviews on the subject of gas leakage detection the past either as part of research papers/technical reports on a certain leak detection method and other gas related subjects.

- i. Whenever there is an occurrence of gas leakage in a particular place the robot immediately read and sends the data to android mobile through wireless communication like Bluetooth. We develop an android application for android based smart phones which can receive data from robot directly through Bluetooth.
- ii. The mobile robots are based on heterogeneous technologies like GSM, GPS, internet based etc., but the main disadvantage of those prototypes were the absence of communication in particular areas. So, with the rapid developments and tremendous changes in technology we have lots of techniques to eradicate previous problems.
- iii. The robot facilitates independent gas detection and leak localization in sites that are otherwise troublesome to access. Moreover, it helps to avoid mistreatment of human inspectors in probably dangerous environments. However, before readying in industrial settings, more development is needed (e.g., in explosion protection, package development, etc.)

The existing system's framework is given below,

