

# Implementation of Gas Detection System using Unmanned Moving Vehicle

## Abstract:-

Unmanned moving vehicles are nowadays largely used in environment monitoring system. In order to identify the leakage of gas in a housing area or an industry or in an agricultural area, it can be easily monitored and detected by the sensors that are embedded on a moving vehicle. A remote controlled vehicle is used in the proposed system.

With help of camera attached to this the area where hazardous gas leakage can be identified. In case of emergency like fire explosion in some other area the vehicle can be manually moved to that location. The information about the gas leakage is transferred through ZIGBEE. GPS is used to trace the location where leakage has happened. The leakage of harmful gas in agricultural area, housing area ad industrial area can be detected more accurately.