Abstract

In India there is only 2% fire safety. On an average, in India, every year, about 25,000 persons die due to fires and related causes. In the year 2007-2008 about 45% of the claims are due to fire losses. According to another estimate about Rs. 1000 crores are lost every year due to fire. Fire losses are reported both in industrial and non-industrial premises like hospitals, commercial complexes, educational institutions, assembly halls, hotels, residential buildings, etc. Probably many of these deaths and economic losses could have been prevented, had we taken enough fire protection measures. So the main intent of this project is to reduce such losses beforehand by preventing the fire by incorporating an android application (used by majority of people) with a device (cheaper than the existing ones) consisting of arduino board, smoke sensor, heat sensor, LPG leakage sensor and GSM module.

References


Index Terms

Computer Science Information Sciences
Keywords

Arduino, IR-Module, Gas Module, LM-35 Module, GSM, Android