

Industry-specific intelligent fire management system

LITERATURE SURVEY

Nowadays safety is mandatory in every sector. In that fire safety precautions should be implemented in all areas. Many of the fire accidents that occurs in the industrial areas and it cause major damage to human as well as properties. In this survey some major cause for the fire accidents are analyzed and based on what technology they are providing safety measures are also analyzed. Through IOT many of the safety measurements are implemented nowadays. From the survey taken most of the fire detection method detects fire after it is triggered. In the proposed system the fire safety practices is going to implement for the fire crackers industry. In that the root cause for the fire is to be analyzed and prevent from the fire before it is triggered. Through this hazardous fire accidents can be avoided and many lives can be saved. In the traditional fire safety method they did not find the root cause for the problem. The root cause for the fire accidents that occur in the fire crackers industry are mainly due to the friction and unbalanced chemical mixture. Thus in the proposed system by analyzing the levels and ratio of the chemicals and the cause of friction the developed sensor give the alert and prevent the major accidents.

REFERENCE

[1] Ahmed Imteaj, Tanveer Rahman, Muhammad Kamrul Hossain, Mohammed Shamsul Alam, Saad Ahmad Rahat, "An IoT based fire alarming and authentication system for workhouse using Raspberry Pi 3" , International Conference on Electrical, Computer and Communication Engineering (ECCE), IEEE, 2017

[2] Ondrej Krejcar, "Using of mobile device localization for several types of applications in intelligent crisis management", 5th IEEE GCC Conference & Exhibition, IEEE, 2009

[3] Karwan Muheden, Ebubekir Erdem, Sercan Vançin, "Design and implementation of the mobile fire alarm system using wireless sensor networks", 17th International Symposium on Computational Intelligence and Informatics (CINTI), IEEE, 2016

[4] Azka Ihsan Nurrahman, Kusprasapta Mutijarsa, "Intelligent home management system prototype design and development", International Conference on Information Technology Systems and Innovation (ICITSI), IEEE, 2015