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Patent Search

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Inventor

Name	Address	Country	Nationality
Ms.S.H.AFROZE	ASSISTANT PROFESSOR, DEPARTMENT OF COMMERCE, DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS), THURAIYUR ROAD, PERAMBALUR, TAMILNADU, INDIA, PIN: 621212	India	India
Ms.S.SELVAKUMARI	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS), THURAIYUR ROAD, PERAMBALUR, TAMILNADU, INDIA, PIN: 621212	India	India
Dr.A.BAKRUDEEN ALI AHMED	ASSISTANT PROFESSOR, DEPARTMENT OF BIOCHEMISTRY CENTRE FOR RESRARCH AND DEVELOPMENT (CRD), PRIST DEEMED UNIVERSITY VALLAM, THANJAVUR TAMIL NADU INDIA-613403	India	India
Mrs.M.KAMARUNISHA	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER APPLICATION, DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS), THURAIYUR ROAD, PERAMBALUR, TAMILNADU, INDIA, PIN: 621212	India	India

Applicant

Name	Address	Country	Nationality
Ms.S.H.AFROZE	ASSISTANT PROFESSOR, DEPARTMENT OF COMMERCE, DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS), THURAIYUR ROAD, PERAMBALUR, TAMILNADU, INDIA, PIN: 621212	India	India
Ms.S.SELVAKUMARI	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS), THURAIYUR ROAD, PERAMBALUR, TAMILNADU, INDIA, PIN: 621212	India	India
Dr.A.BAKRUDEEN ALI AHMED	ASSISTANT PROFESSOR, DEPARTMENT OF BIOCHEMISTRY CENTRE FOR RESRARCH AND DEVELOPMENT (CRD), PRIST DEEMED UNIVERSITY VALLAM, THANJAVUR TAMIL NADU INDIA-613403	India	India
Mrs.M.KAMARUNISHA	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER APPLICATION, DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS), THURAIYUR ROAD, PERAMBALUR, TAMILNADU, INDIA, PIN: 621212	India	India

Abstract:

Gas leakage is a major problem in industrial sector, residential locations etc. Gas detection becomes vital and helps to avoid/protect the people from dangers of Gas leakages. It leads to various accidents resulting into both financial loss as well as human injuries. The risk to firing explosion and suffocation all are based on their physical properties such flammability toxicity etc. One of the preventive methods to stop the incident related to gas leakage is to install a gas leak detection kit at vulnerable locations. The main objective of this system is to monitor the leakage of gases in order to avoid dangerous fire accidents and facilitate safety measures. This system detects gas leakage from gas sensor and inform to the consumer of the gas leak by sending a text message. At the same time sound is send via a WIFI module to users mobile phone and received data is projected in to cloud based server to store the information into documentation, The main goal of this system is that detect, alert, automatically control the gas leak and send SMS to user.

Complete Specification

- Hybrid system [both IoT and Cloud] of gas leakage detection and monitoring system applicable in chemical industries, manufacturing industries, mining industries and domestic industries.
- Intelligent gas leakage system [Internet message and store message service] is applicable for both industrial and domestic purpose and ' leakages of gases C3H8 and C4H10 etc.
- IoT cum GPS based gas leakage monitoring system is applicable for mega kitchen hotels, Departmental stores kitchen and Welding Industries.
- Hybrid system of gas leakage detection and monitoring is performed by automation is also applicable to intelligent gas leakage and detection safety system.

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