INDUSTRY-SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM

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Journal Title	Author Name	Year	Technology Used	Proposed System
IOT-Based Fire Alarm system	A.T.Jeevanandham P. Sivamurgan	2019	IOT	A fire is a condition of consuming that delivers the blazes and warmth. The fire can possibly make hurt its inhabitants and serious harm to the property. Mechanical security survey magazine expresses that there are 25,000 people passed on because of fire mishaps in India in the time of 2001-2014[1]. The harm of structures and loss of human life can be occurred because of fire mishaps in the enterprises. This present examination endeavours for to discover the staff characteristics of business factors and work factors that include which prompts fire mishaps in the business. They are worried about the use of new innovation, for example, IOT and remote sensor arrange in putting out fires and observing field. IOT is truly appropriate for putting out fires with wide degree alongside remote sensor network
A smart fire detection system using IOT technology with automatic water sprinkler	Hamood Alqourabah, Amgad Muneer, Suliman Mohamed Fati	2021	IOT	House combustion is one of the main concerns for builders, designers, and property residents. Singular sensors were used for a long time in the event of detection of a fire, but these sensors can not measure the amount of fire to alert the emergency response proposed model in this paper employs different integrated detectors, such as heat, smoke, and flame. To get real-life data without putting human lives in danger, an IoT technology has been implemented to provide the fire department with the necessary data. Finally, the main feature of the proposed system is to minimize false alarms, which, in turn, makes this system more reliable. makes the data exchange faster and reliable.

GSM based smart fire and high-temperature detection system	Ravindra Koggalage, Manjula Welihindaand Hasitha Nuwan	2021	IOT	This paper discusses a GSM and Arduino-based system for swift and precise fire hazard detection. A smart fire and high-temperature detection system is developed as a workaround using GSM, smoke/temperature sensors, and Arduino technology. An increase in internal temperature is detected by a temperature sensor, and smoke from the fire is detected by a smoke sensor. In the event of a fire, a short message service (SMS) alert will be sent to the user via the GSM module. Additionally, the power supply of the specific building will be turned off when a fire is discovered after a signal is transmitted via a microcontroller to the main power supply circuit breaker. The test's outcomes are listed and discussed in this paper
A Smart Fire Detection using IoT Technology with Automatic Water Sprinkler	Hamood Alqourabah,Amgad Muneer,Suliman Mohamed Fati	2020	IOT	Signals from the integrated detectors for heat, smoke, and flame are processed by the system algorithm to determine whether a fire is likely before being broadcast by GSM modem to various parties. The fire service now has access to the essential data thanks to the use of an IoT technology, which allows for the collection of real-world data without endangering human lives. Finally, reducing false alarms is the major component of the suggested solution, making it more dependable. A system is created in this project that can detect fire and activate the fire alarm, evaluate the situation and start an automatic water sprinkler even if the water unit was designed separately, and analyze the data obtained using the Ubidots Platform, which results in a faster response

Mobile Fire Evacuation System for Large Public Buildings Based on Artificial Intelligence and IoT	HUIXIAN JIANG	2019	IOT and Artificial Intelligence	The mobile terminal intelligent fire evacuation prototype system for large public buildings is implemented based on the construction of indoor maps and road network models, indoor positioning technology and dynamic evacuation model by ant colony algorithms, using ArcGIS Android SDK 10.1 to provide users with GIS spatial graphics expression interface, to design prototype system on Android platform. The system interface is designed with Material Design style.
A survey of Internet of Things in fire detection and fire industries	S.R.Vijayalakshmi, S. Muruganand	2017	IOT	This essay provides a summary of recent developments in IoT technology, research, and applications in the fire-related industries. This article conducted a survey to identify research issues and trends in the fire industries and systematically presents the results. The fire IoT intends to connect various devices via fire-related networks. To support the IoT, service-oriented architecture is used. For the purpose of monitoring fire and goods, those levels interact. A portion of the layer needed for fire monitoring and industry is functionally realized in this research.With the help of an RFID-tagged object, a WSN node with sensors, and a video node for product and fire monitoring, the sensing layer is effectively accomplished. The network layer connects everything, such as sensor networks and mobile networks.