

LITERATURE SURVEY

TEAM:

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TOPIC: Industry-specific intelligent fire management system

PROJECT TITLE	AUTHOR/WEBSITE	OBJECTIVE/OUTCOME
Efficient fire detection for uncertain surveillance environment	Publisher: IEEE IEEE Transactions on Industrial Informatics Author- Khan Muhammad Salman Khan Date of Publication: 05 February 2019	This research paper proposes an efficient method for fire detection in uncertain environment. This is achieved using a 5G TI-enabled fire detection system for which their proposed framework fits well, considering its promising accuracy, minimum false alarm rate, and response time.
IOT-based fire fighters for disaster case management	Publisher: IEEE IEEE Sensors Journal Author- Murtaza Cicioglu Ali Calhan Date of Publication: 31 July 2020	In this study, the proposed IoT system can detect the gases in the environment in which the fire-fighters interfere with the fire, and give warnings and suggestions to fire-fighters accordingly (which extinguishing technique, type of gas, etc.) and send the position information with health signals of the fire-fighter to a remote central control unit. In this way, it will be possible to protect human life (both fire-fighters and victims) and avoid more dangerous situations that may occur.

Research on fire alarm computer monitoring system in fire engineering	Publisher: Journal of physics www.iopscience.iop.org Author- Xiyang Feng1 Chaofei Wang1 Year of publication- 2021	This research in fire protection engineering is a kind of early warning monitoring system based on intelligent equipment, which judges the fire situation by detecting changes in the environment.
IOT-based smoke detection in foggy environment	Publisher: IEEE IEEE Internet of Things Journal Date of Publication: 30 January 2019	This research proposes an energy-efficient system based on deep convolutional neural networks for early smoke detection in both normal and foggy IoT environments.
IOT based fire department alerting system project	Website: https://www.projectsof8051.com/iot-based-fire-alerting-system-project/	This review serve as detailing the methods used to design an IOT based Fire Alerting System using Temperature and a smoke sensor which would not only signal the presence of fire in a particular premise but will also send related information through IOT.
Fire protection systems	Website: https://fire.nv.gov/uploadedfiles/firenvgov/content/bureaus/FST/4-ifipp-PSsm.pdf Date of publication: July 7 2012	This study shows properly designed, installed, operated, and maintained fire alarm system and provides the novice inspector a solid foundation on which to build.