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| **Name of the Author** | **Title of the Paper** | **Publication details(Journal name, Page.No, Volume)** | **Outcomes/ Result Discussion** |
| Lakshmana Phaneendra Maguluri, Tumma Srinivasarao  R. Ragupathy,  Maganti Syamala,  N.J. Nalini | Efficient Smart Emergency Response System for Fire Hazards using IoT | (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 9, No. 1, 2018 | A smart emergency response system for fire hazards is designed and implemented with required IoT standards which prioritize the immediate rescue operations by pushing relevant information to the public safety managements. |
| Afsana Mim Anika, Ms. Nasrin Akter, Md. Niamul Hasan, Jannatul Ferdous Shoma, Abdus Sattar | Gas Leakage with Auto Ventilation and Smart Management System Using IoT | Proceedings of the International Conference on Artificial Intelligence and Smart Systems (ICAIS-2021) IEEE Xplore Part Number: CFP21OAB-ART; ISBN: 978-1-7281-9537-7 | The proposed system has the facility of gas detection and fire. If gas fire detected by the system then it will notify to the homeowner through SMS and also buzzer on. There is two important features are auto ventilation and water flow via solenoid valve in the proposed system. The proposed system is exceptionally valuable to forestall fire demise. In this manner, the harms are mainly caused due to the gas spillage and it can be limited by utilization of IOT based smart gas management system. |
| Abhishek Patil, Ashutosh Singh, Akash Kumar,  Ms. Sathya. | Smart Fire Alarm and Detection System | International Research Journal of Engineering and Technology (IRJET)  Volume: 07  Issue: 06 | June 2020 | The proposed system senses the heat using temperature sensor and smoke is sensed by the smoke sensor which is generated due to burning or fire. Buzzer connected to Arduino gives us an alarm indication. Whenever the density of smoke and the temperature goes higher than a predetermined range, the device will send a signal to the nearby fire department and activate the buzzer and also it activates the sprinklers so that it can extinguish the fire. This proposed system is of low cost and circuit complexity is very less. |
| Mr. Aneesh. A, Mr. Austine Cyriac,  Mr. Shafeek Basheer | A Smart Real Time Fire and Smoke Detection System | International Journal of Engineering Research & Technology (IJERT) 2019 Volume: 7,  Issue: 2 | To implement a fire and smoke detection system with a notification to nearest fire station. By using this system, the fighters can subdue fire before it causes damage at a greater extend. It is less expensive and fastest system for safety precaution. |
| Shreya Gosrani , Abhishek Jadhav , Krutika Lekhak , Devesh Chheda | Fire Detection, Monitoring and Alerting System based on IoT | International Journal of Research in Engineering, Science and Management Volume-2, Issue-4, April-2019 | This paper proposes the model constantly monitoring the fire signal and will send warning to alert the user and nearest fire station. This application targets people who don’t have someone to be at home, office or any other workplace so when they away from their place they are notified about the fire problems if any. |
| T A Kurniawan, L Tambunan, and  L N Imaniar | Fire Safety Parameters of High-Rise Residential Building: A Literature  Review of Performance-Based Analysis Method | IOP Conf. Series: Earth and Environmental Science 152 (2018) 012030 | The ASET / RSET method is used to demonstrate occupant safety against fire hazard by taking time as an indicator.  Assessment of building performance against fire hazard can be done well  using computer simulation by considering some parameters related to ASET and RSET. |
| PingHuang, [MingChen](https://www.sciencedirect.com/science/article/abs/pii/S0957582022005675#!) ,[KexinChen](https://www.sciencedirect.com/science/article/abs/pii/S0957582022005675#!) , [HaoZhang](https://www.sciencedirect.com/science/article/abs/pii/S0957582022005675#!) , [LongxingYu](https://www.sciencedirect.com/science/article/abs/pii/S0957582022005675#!) , [ChunxiangLiu](https://www.sciencedirect.com/science/article/abs/pii/S0957582022005675#!) | A combined real-time intelligent fire detection and forecasting approach through cameras based on computer vision method | [Institution of Chemical Engineers](https://www.icheme.org/)Official Journal of the [European Federation of Chemical Engineering](https://efce.info/splash): Part B | In this paper , a series of cable fire experiments are conducted to examine the extraction ability based on the fire detection of YOLO and the forecasting ability of ResNet for fire. |