# Literature Survey

| TITLE | AUTHOR & YEAR | JOURNAL NAME | REMARKS |
|---|---|---|---|
| Ensemble Neural Network Classifier Design using Differential Evolution | Shobha, T., & Anandhi, R. J & 2020 | Alliance International Conference on Artificial Intelligence and Machine Learning | A Firefighting robot is an independent ground vehicle which should have two main functions, ability to detect fire and the ability to extinguish the fire. |

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|---|---|---|---|
| Ambient Intelligence and Humanized Computing | Kalaivanan, Saravanan & 2021 | Quality of service (QoS) and priority aware models for energy efficient and demand routing procedure in mobile ad hoc networks | The developed fire extinguisher robot can be operated in multiple modes using the DTMF and Bluetooth remote control as well as GSM and GPS technology. |

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|---|---|---|---|
| Semantic Annotation of IoT Resource with ontology orchestration | Chikkamannur, Ajeet A & 2020 | Third International Conference on Advances in Electronics, Computers and Communications (ICAECC) | A Fire Fighting robot can be controlled from some distance has been successfully developed . It can detect the location of fire automatically and reduce the fir. |

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|---|---|---|---|
| Colour Blindness Algorithm Comparison for Developing an Android Application | Baswaraju Swathi, Koushalya R, Vishal Roshan J & Gowtham M N. & 2020 | International Research Journal of Engineering and Technology (IRJET) | The PIR, or passive infrared, detectors are most commonly used in intruder alarm systems. |

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|---|---|---|---|
| Charging station for E-Vehicles using solar with IOT | Karthiyayini, J., & Dhanya Shree, & Simran Killedar, & Ummadi Pawan Kumar, & Kishan Kumar & 2020 | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | The objective of this project was to detect the fire as early as possible by measuring the level of temperature and CO2 level and give the information via the IOT using GSM and GPS |

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| TITLE | AUTHOR & YEAR | JOURNAL NAME | REMARKS |
|---|---|---|---|
| A Machine Learning Perspective towards Detecting Fake News | Prashanth, Paul., & Prashanth, V., & Prem Kumar, &Kalaivanan, S. & 2020 | International Journal for Research in Applied Science and Engineering Technology | This project shows data collected by the sensors will be sent to Arduino microcontrollers and after microcontroller analysis the output is generated in LCD Display, through Buzzer and Notification center. |

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| TITLE | AUTHOR & YEAR | JOURNAL NAME | REMARKS |
|---|---|---|---|
| Robot Assisted Emergency and Rescue System with Wireless Sensors. | Karthiyayini, J. & 2020 | International Journal of Research and Scientific Innovation | This project shows the purpose of WP2 was to provide measurement data and theoretical background of durability factors associated with the environment in engine compartments of heavy vehicles. |

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| TITLE | AUTHOR & YEAR | JOURNAL NAME | REMARKS |
|---|---|---|---|
| Traffic Surveillance Using Smart Drone | Mounica, B., & Sathya, N., & Likitha, R., & Meghana, C. A., & 2020 | International Journal of Scientific Research in Computer Science, Engineering and Information Technology | This project shows with IoT and other advanced technologies, improvements are also expected in emergency planning. Sensor and detector data along with other surveillance data can be combined with algorithms and analytics to help quickly prepare better emergency or evacuation plans. |

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|---|---|---|---|
| A Machine Learning Perspective towards Detecting Fake News | Prashanth, Paul., & Prashanth, V., & Prem Kumar, &Kalaivanan, S. & 2020 | International Journal for Research in Applied Science and Engineering Technology, | This project shows fire detection systems have been integrated with door locks and with HVAC fan and damper controls for smoke management for several years, but these systems have relied on relays controlled by the fire alarm system to override the normal controls. |

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| TITLE | AUTHOR & YEAR | JOURNAL NAME | REMARKS |
|---|---|---|---|
| Feature Selection: An Empirical Study. | Vandana, C. P., and Ajeet A. Chikkamannur & 2021 | International Journal of Engineering Trends and Technology | This project shows fire is an auto gaseous mixtures reaction that produces varying degrees of light and heat. This alert system is prompted to sense the heat and provide an intelligent alarm in the event of a fire emergency |