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(57) Abstract :

[028] The invention presents an IoT fire sensor and IoT smart safety management system. The present invention comprising of collecting real-time sensor data from multiple IoT Fire Sensors, processing the sensor data to identify the occurrence of fire-related incidents, generating timely alerts and notifications upon detecting fire events. Enabling remote monitoring and control through a user interface and utilizing machine learning to forecast fire risks and offer preventive suggestions. The user interface comprises a mobile application and a web-based portal designed for real-time monitoring and user engagement with the system and the machine learning module utilizes predictive analytics to foresee fire threats by analysing both historical and real-time data Accompanied Drawing [FIG. 1-2]

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