

Research and development of an early fire monitoring and warning system using IoT technology.

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Abstract: In the context of the increasing number of fires causing significant damage to society, this topic focuses on researching and deploying an early fire monitoring and warning system based on Internet of Things (IoT) technology. The main objective of the project is to develop an effective solution to prevent and mitigate the consequences caused by fires. The approach includes integrating IoT sensors into the system, while combining theoretical research and experimentation to ensure high system reliability. The expected results of the topic not only raise awareness about the importance of applying IoT technology in the field of fire safety but also contribute to the development of the smart engineering industry.

Keywords: Monitoring system, Early fire warning, IoT technology, Fire safety, IoT sensor