

Building a fire alarm and firefighting monitoring system using mobile phones.

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Abstract: In the context of the rapid development of information and communication technology, building a fire alarm and firefighting monitoring system via mobile phones has become an inevitable trend. This study aims to design and implement an intelligent solution that helps users monitor hazardous points in real time and improve emergency response efficiency. The research adopts a method combining theoretical study with practical application, integrating advanced sensor technology and mobile communication technology to develop an application that can quickly alert users and guide them to take appropriate actions in the event of a fire. The successful development of this system not only improves people's quality of life but also provides strong technical support for fire prevention and control.

Keywords: Matchstick system monitoring, fire alarm, mobile application, sensor technology, intelligent surveillance