

# **Building an automatic fire warning system for households.**

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**Abstract:** This topic aims to meet the need for protecting the safety of life and property of households through the construction of an automatic fire warning system. The research method includes assessing the current situation, designing, and experimentally deploying a system based on temperature and infrared sensor technology. The project hopes to provide an effective solution to the common problem of fires in residential areas, while contributing to the development of home safety technology.

**Keywords:** Automatic fire warning, Sensor technology, Home protection, Application research