



Republic of Iraq

Ministry of Higher Education and Scientific Research

University of Babylon

College of Information Technology

Department of Information Network

نظام الانذار المبكر من الحرائق باستخدام إنترنت الأشياء

Early Warning System from Fires Using Internet of Things

A Graduate Project Submitted to the department of Information Networks of the College of Information Technology, University of Babylon, in Partial Fulfillment of the Requirements for the Bachelor's degree in the Information Networks of Information Technology.

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2024

Abstract

Fire alarm systems have become increasingly sophisticated and functionally more capable and reliable in recent years. The system is designed to fulfill two general requirements: protection of property and protection of life. As a result of state and local codes, the life-safety aspect of fire protection has become a major factor in the last two decades. To solve the problems caused by the fires, several safety measures have been put into place to reduce the number of fatalities and losses. So our idea is to implement a fire alarm system. The primary purpose of fire alarm system is to provide an early warning of fire so that people can be evacuated from the fire-affected. The system can monitor and detect fires early, and this allows users to quickly intervene to control the fire and protect lives and property.

This technology relies on the use of sensors connected to the Internet and provides accurate data about the state of the environment. This project also aims to increase awareness of the importance of fire prevention, and there are many advanced methods that must be taken for safety.