



SMART WI-FI BASED FIRE SENSING SYSTEM WITH SOFTWARE ALERT AND ALARM



جامعة أم القرى
UMM AL-QURA UNIVERSITY

COMPUTER ENGINEERING DEPARTMENT
COLLEGE OF COMPUTER AND INFORMATION SYSTEMS
UMM AL-QURA UNIVERSITY

MOSAB ALABBOUD, FAISAL ALSAGABI, MOATH ALOTAIBI, FAHAD ALJUAID

Introduction

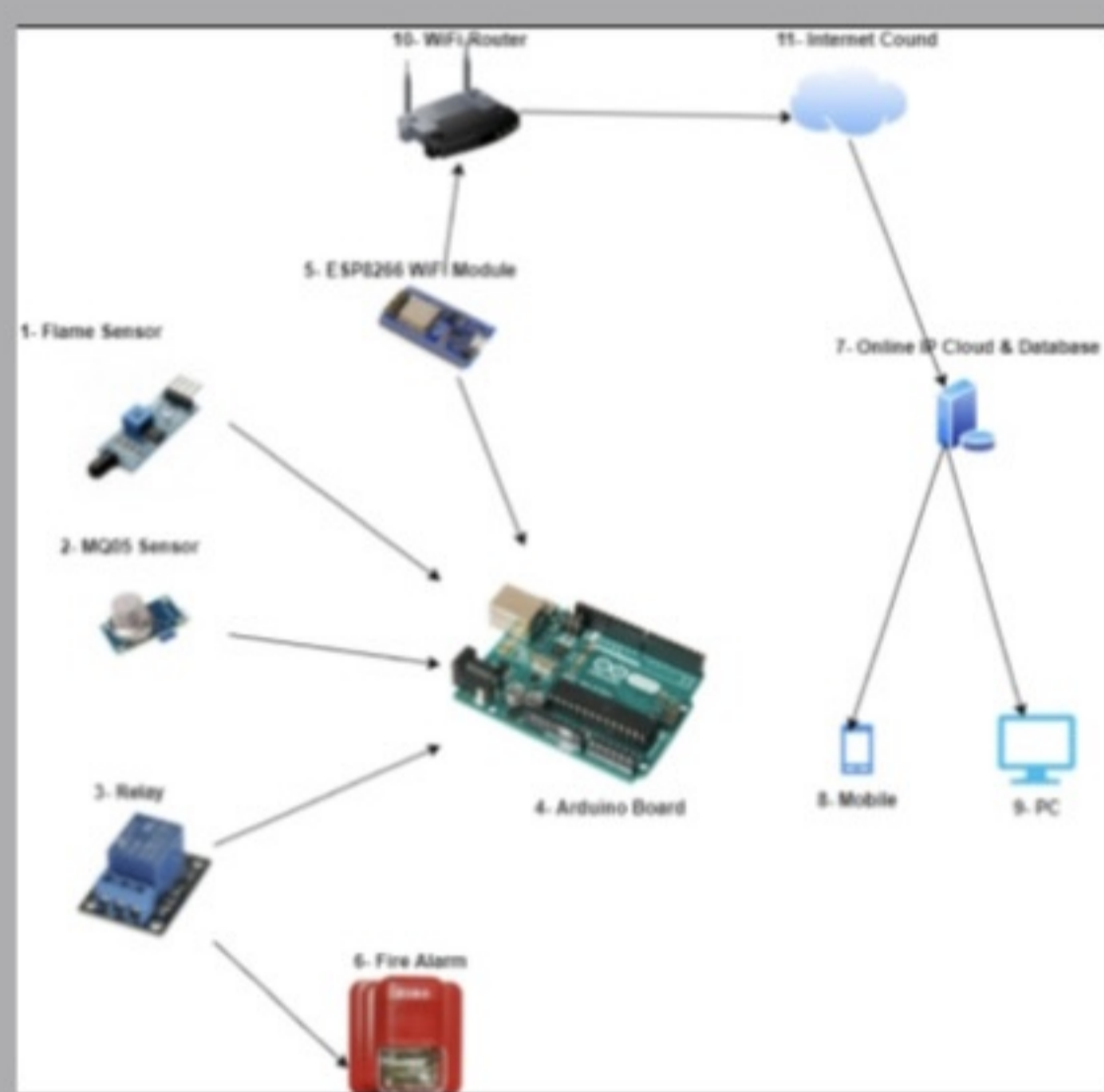
Safety is a crucial consideration in the design of residential and commercial buildings to safeguard against the loss of life and damage to property.

The existing fire alarm system in the market nowadays is too expensive, complex in terms of its design and structure. Since the system is too complex, it needs regular maintenance to be carried out to make sure the system operates well. Meanwhile, when the maintenance is being done to the existing system, it could raise the cost of the system.

Motivation

The principal motivation for fire alarm installation is to prevent the fire from happening. The best system must have the ability to detect even a small amount of smoke. Obviously, there will be fire where there is smoke. The objective of a fire alarm is to make that the fire can be dealt with before it results in the central damage. It is evident to see that the fire alarm system is significant for commercial buildings.

How the app work?

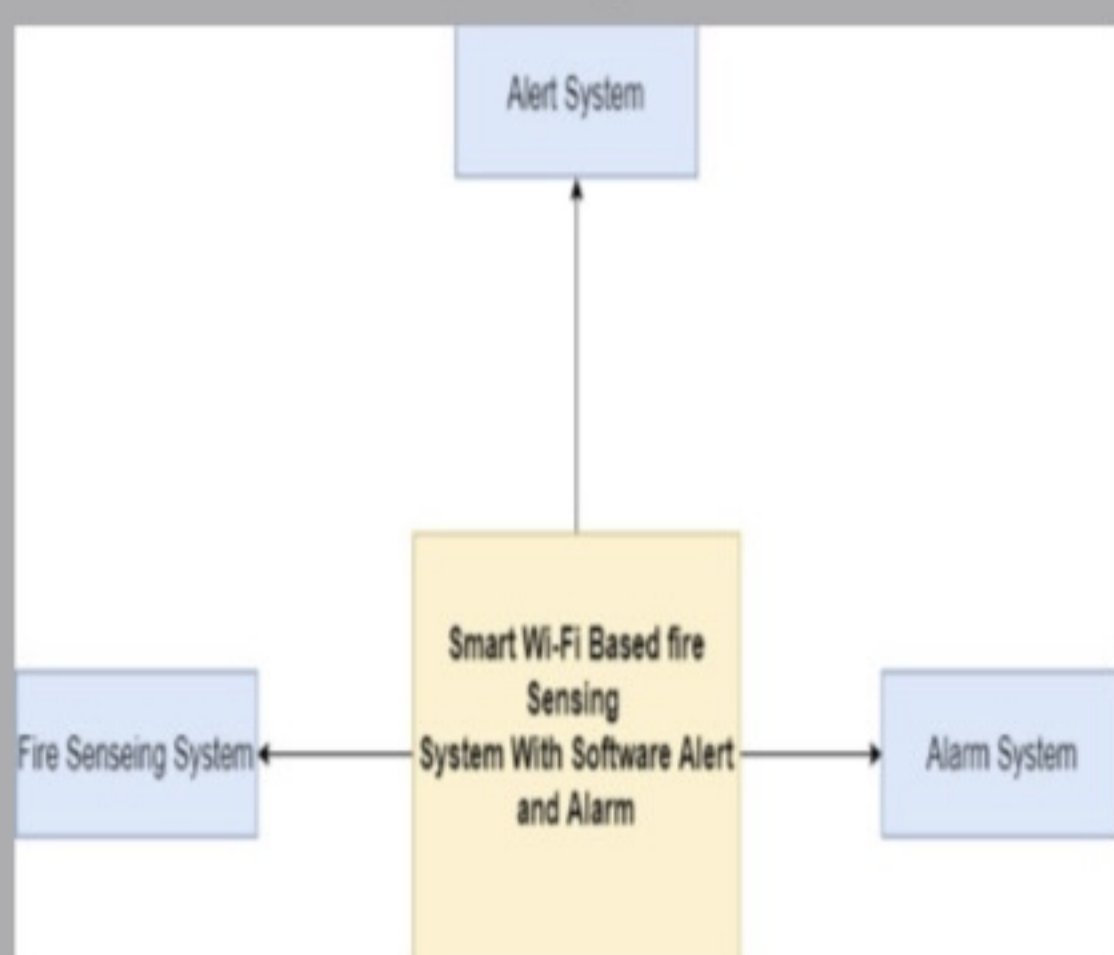


Conclusion

All other projects handle fire detection by just detecting the fire that happened with a fire flame sensor, some of them take care of alarm system but the idea is we want to build a system that covers all three major parts which are:

1. Detect the fire when it happened by flam sensor
2. Start an alarm system to let people know that there is a fire.
3. Build an alert system that can communicate with people even if they are not in the same place where the fire happened.

Block Diagram



References



Contact

Email: MBanderAlabboud@outlook.com
Phone NO: +966568113963