Abstract

This paper presents a system of Automated Indoor Air quality Monitor which can be controlled and monitored using a mobile phone basing the concept of Internet of Things. The system monitors the indoor environment periodically and can be controlled using a Smart Phone. The system here is on internet of things platform which gives remote access through a mobile phone. The proposed system monitors the CO and CO2 levels in the room and notifies the user if the tolerable limit exceeds. The user can turn on the vent fan from the smart phone, when the tolerable limit exceeds. This system was implemented using raspberry pi, which uses a database to store the monitored values and a web server which can be accessed through the smart phone.

References

10. MQ-7 Data Sheet- Zhengzhou Winsen Electronics Technology Co., Ltd
11. COZIR-A Data Sheet- AirTest™ Technologies Inc.

Index Terms

Computer Science Applied Sciences
Keywords

Internet of things, Raspberry pi, NGINX, SQLite, Python, Relay, COZIR, MQ-7, Android Studio