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TERENGGANU

AUTOMATED SAFETY SYSTEM FOR AIR POLLUTION
DETECTION VIA ANDROID

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ABSTRACT

This project presents a system of Automated safety system for air pollution detection via android which can be controlled and monitored using a mobile phone based on the concept of Internet of Things (IoT) namely Blynk application. The system monitors the indoor environment periodically and can be controlled using a Smart Phone. Proposed system consists of air quality sensors (MQ135) that are capable of detecting multiple gases such as alcohol, Smoke, CO2 etc. levels in the kitchen and notifies the user if air pollution detected. A simple buzzer is interfaced to notify warning notification to indoor user when gas leakage occurs. This system is implemented using Nodemcu, which uses a database to store the air values and which can be accessed through the smart phone. The system is more efficient and safety by creating automatic window's kitchen and fan to enable harmful gas to out through window. With the advancement of technology, user can get air information easily and control the window and fan to keep environment clean using IoT anytime and anywhere as long as there is internet connection.

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