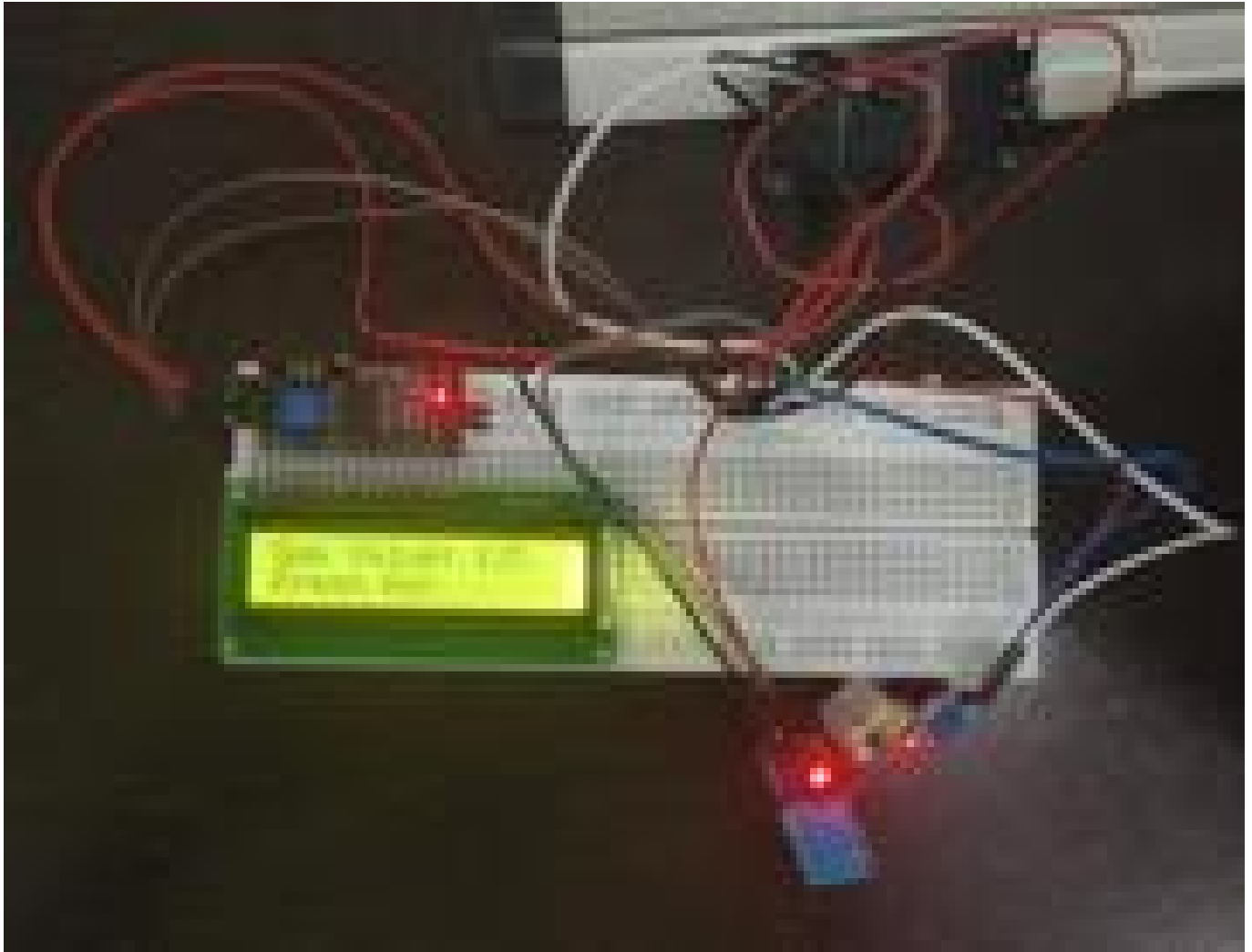


Air Quality Monitoring System using ESP8266 and Blynk IoT



This project presents the design and implementation of an Air Quality Monitoring System utilizing the ESP8266 Wi-Fi module and the Blynk IoT platform. The system is developed to measure and monitor environmental parameters such as air quality, temperature, and humidity in real time.

It integrates the MQ135 gas sensor for detecting harmful gases and pollutants, and the DHT11 sensor for capturing temperature and humidity data. An LCD display with I2C converter is used to provide a local visual output of the collected data.

The ESP8266 serves as the central controller and also enables wireless communication, allowing

the sensor readings to be sent to the Blynk mobile application for remote monitoring. This cost-effective and scalable solution aims to raise awareness about air quality conditions and can be used in homes, schools, or offices for environmental health tracking.