

A Major Project Report on

WIRELESS COALMINE MONITORING AND ALERT SYSTEM

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

In Partial fulfilment of the requirement for

The award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

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CERTIFICATE

This is to certify that the major project entitled “WIRELESS COALMINE MONITORING AND ALERT SYSTEM” Submitted to JNTUH is carried out by the following students of IV B. Tech in the partial fulfilment of requirement for the award of degree of Bachelor of Technology in Electronics and Communication Engineering during academic year 2022-2023.

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ABSTRACT

Coal mines are one of the most important and industries in the country, as they are used as fuel in the steel and cement industries to extract iron from the stone and create cement. Every parameter, such as methane gas, high temperature, fire incidents, etc., should be regularly checked in the underground mining business. Due to the complexity of the mining environment and the variety of activities performed in coal mines, it is important to monitor the working environment. To address this issue, there is a system that monitors basic safety measures and regulates many restrictions on coal mines, such as gas leaks, temperature and humidity conditions, and fire sensor. All the sensors are assembled into a single unit and then placed in a coal mine.



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