**“Safety monitoring coal mining system using Arduino”.**

**PROJECT DESCRIPTION:**

In the proposed system the main controller in the module is an Arduino board. The module is installed inside the coal mine. The module contains the sensors like temperature sensor, water sensor, fire sensor, and gas sensor. The module also has an LCD, all the sensor data is displayed on the LCD screen by the Arduino controller. The Arduino also sends the sensor data to the remote IoT server using the Wi-Fi module from time to time. If any of the sensor values exceeds a particular threshold level, the buzzer is turned on to notify the concerned officer. The system has an IoT platform installed on it that displays the relevant data using the GUI which helps the users in monitoring and system control.