

A

Project Report

On

IOT BASED WIRELESS VEHICLE EMISSION MONITORING SYSTEM

Submitted to

Department of

ELECTRONICS & COMMUNICATION ENGINEERING

By

SHIMRANA PARVEEN

216Y5A0420

THUMMA MEGHANA

206Y1A0460

PITTA NIKSHIPHA

206Y1A0446

ARSHIYA TABASSUM

216Y5A0402

Under the Esteemed Supervision of

Ms.M.Anitha
Assistant Professor



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SUMATHI REDDY INSTITUTE OF TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to JNTUH, Accredited by NBA)

Ananthasagar (Vill), Hasanparthy (M), Warangal.

2022-23



Rajam
PRINCIPAL

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)



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CERTIFICATE

This is to certify that the project entitled “IOT BASED WIRELESS VEHICLE EMISSION MONITORING SYSTEM” carried out by the following students of III Year B.Tech in Electronics and Communication Engineering during the academic year 2022-23.

SHIMRANA PARVEEN	216Y5A0420
THUMMA MEGHANA	206Y1AO460
PITTA NIKSHIPTHA	206Y1A0446
ARSHIYA TABASSUM	216Y5A0402

Anitha
Ms.M.Anitha
Supervisor



[Signature]
Dr. K. Mahender
Head of Department

Rajani

PRINCIPAL

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)

ABSTRACT

An increase in automobile vehicle leads to an increase in air pollution since automobiles are the main source of environmental pollution. The smoke emitted from the vehicle consists of gases like nitrogen oxides (NO_x), carbon dioxide (CO_2), and hydrocarbon (HC). Approximately one-half of the nitrogen oxide gases, carbon monoxide and one-fourth of hydrocarbon gases in our environment are emitted from automobile vehicles, which leads to global warming. Due to poor vehicle maintenance. The gases emitted from the exhaust may increase. In order to reduce environmental pollution and to increase vehicles life, we can use this system. When the rate of gases emitted from the vehicle exceeds the threshold limit set by the government, our proposed system will alert to the user through LCD. Using IoT, the emission level is also displayed and stored in the database of a vehicle owner. When the vehicle owner ignores it, the report will send to the transport office with entire details. The entire system is controlled by ATMEGA328 microcontroller.



Rijan

Principal

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