

A

Project Report

On

**IOT BASED RAILWAY TRACK CRACK ALERT SYSTEM**

Submitted to

Department of

**ELECTRONICS & COMMUNICATION ENGINEERING**

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**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**



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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**CERTIFICATE**

This is to certify that the project entitled "IOT BASED RAILWAY TRACK CRACK ALERT SYSTEM" carried out by the following students of III Year B.Tech in Electronics and Communication Engineering during the academic year 2022-23.

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## ABSTRACT

About a million people have died over the past 5 years in unmanned railway crossings all over the world. The main purpose of making this project is, we got inspired from the Masaipet, Medak train accident where a train from Nanded heading towards Secunderabad hit the school bus which is on the track because of improper closing of railway gates and negligence of the gatekeeper. To reduce this type of accidents, automatic railway gate control system is implemented. The Automatic Railway Gate Control System project is a prototype. The main objective is to close the railway gate when the train approaches it, so as to block vehicles from going across the track. As soon as the train moves further away from the railway crossing, the gates must automatically open to allow vehicles to cross by.



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