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Report on

AUTOMATIC RAILWAY GATE USING ARDUINO AND IR SENSOR

A report submitted for the partial fulfillment of the requirements for Mini Project of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

NAKKA MANASA (19811A0434)

Under the guidance of

Mr V Raju M.Tech

Assistant Professor



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

TAMARAM, MAKAVARAPALEM, NARSIPATNAM-531113

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AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tamaram, makavarapalem, narsipatnam road, Visakhapatnam dist-531113

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT

(AUTOMATIC RAILWAY GATE USING ARDUINO AND IR SENSOR)

BY

NAME: NAKKA MANASA

REG NO: 19811A0434



INTERNAL COORDINATORS



EXTERNAL EXAMINER



HOD, ECE

HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
Avanthi Institute of Engg.&Tech.
Makavarapalem, Visakhapatnam Dist-531113

AUTOMATIC RAILWAY GATE USING ARDUINO AND IR SENSOR

ABSTRACT

Now a days, we are observing the automation in every field but not on railway systems. When coming to railway gates, we have seeing that a person will go and open the gates for moving the vehicles based upon the information given by the near railway station. If the person is busy on his personal works there is a chance to get the accidents. If the worker will not close the gates then it may have accident there. Instead of this we have using the automation at the railway gates. We will set some distance near railway gate because for opening and closing the gates. When the distance is crossed by the train while arriving near to the railway gates it will get closed. When the train is crossed after some distance the railway gate will be opened. Which will be work automatically without help of a person. It is one-time investment for the government. For giving money to the workers every month, which we get replaced by the automation. When coming to people while crossing the railway gates they will be problem when the gates are closed. To solve this, we will set a buzzer to the people to don't cross the railway tracks because to save the people for not getting accidents. When the buzzer will blow then the people will stop after passing off the train the people will be move on. When back to back trains come it will again blow to stay for few minutes there was a train which is nearer to the track.