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Report on

DENSITY BASED TRAFFIC CONTROLLER WITH ANDROID OVERIDDING ABILITY

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

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT

(DENSITY BASED TRAFFIC CONTROLLER WITH ANDROID OVERIDDING ABILITY)

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DENSITY BASED TRAFFIC CONTROLLER WITH ANDROID OVERRIDING ABILITY

ABSTRACT

The project aims to provide an effective solution for the traffic signal system to override the normal signal timings during emergency automatically. We would be check this system by connecting three LEDs on each junction and each junction also have the IR sensors for sensing the density of vehicles. The IR Sensors are basically, their transmitters and IR receivers. Here we have divided the density of vehicles in three zones such as low-density zone, medium density zone and high density zone. In this system, the density of vehicles is cheeked by IR sensors means when any vehicle passes through the IR sensors to the microcontroller then the microcontroller counts the vehicle and check the density of vehicle accordingly to the mentioned density zone. After checking the density zone, the microcontroller sets the ON/OFF time of the traffic signal automatically.