

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
 "JNANA SANGAMA", BELGAVI-590018 KARNATAKA



Mini Project Report (18ECMP68)

ON

"Distance Based Accident Avoidance System"

Submitted in partial fulfillment of the requirement for the award of degree

BACHELOR OF ENGINEERING

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by:

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 SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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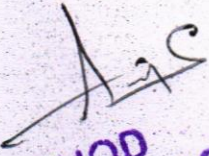
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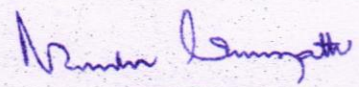
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ABSTRACT

In this paper, we introduce a new technique in automobile technology about how to keep 40 cm distance between one vehicle and another vehicle, so that the vehicle don't crash or cause any traffic problem. The aim of the system is to prevent accidents mainly due to not knowing the following distance (i.e., 40cm) between one vehicle and another vehicle. The proposed system comprises an idea of having safety while reversing a vehicle, detects any object within the following distance, and displays the distance between one vehicle and another vehicle to the driver using monitor. We have used ultrasonic sensors to detect any vehicle on front or back side of our vehicle. This system is also used in large crane which is mainly operated in harbor area. If the vehicle reaches greater than 25cm to less than 40 cm, green color light will glow. At less than 25cm to greater than 15cm distance yellow color light will glow. When it reaches less than 15 cm distance red color light will glow. The distance is also indicated to the vehicle driver. By this proposed system, the safety is maintained on crowded areas and in vehicle reversing process.


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