

A

Report on

COLLISION AVOIDING SYSTEM FOR AUTO MOBILES

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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# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### MINI PROJECT

### (COLLISION AVOIDING SYSTEM FOR AUTO MOBILES)

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## **COLLISION AVOIDING SYSTEM FOR AUTOMOBILES**

### **ABSTRACT**

Automated anti-collision system by detecting obstacles for automobile industry is one of the emerging technologies nowadays. An automated vehicle anti-collision system is an automobile safety system which prevents collision among cars and objects automatically. In this paper, we have discussed about implementation of the prototype of our designed microcontroller based automated car anti-collision system. Our system specializes in detecting obstacles by sharp distance sensor and alerts within close distance of collision and hereafter brakes automatically by actuator in critical distance without the help of driving person. If somehow driver fails avoiding the collision, this system will automatically stop the vehicle as it monitors the condition of the vehicle continuously. So it is a user friendly and versatile system which can prevent road accidents, reduce the rate of accidents as well as accidental death of human life. It can be used in any kind of automobile vehicle as it's a cost effective system.