A

Report on

WORKING PRINCIPLE FOR CAR PARKING ULTRASONIC 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

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2021-2022

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT

(WORKING PRINCIPLE FOR CAR PARKING ULTRASONIC SENSOR)

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ULTRASONIC SENSORS BASED AUTONOMOUS CAR PARKING SYSTEM

ABSTRACT

In Modern era, many automobile companies are exploring the idea of fully automated vehicles and providing the customer the ease of comfortable driving. This paper presents an ultrasonic sensor based autonomous car parking system. The system has the ability to self-park the vehicle with coordination between the sensors and to likewise park the car through mobile phone application remote control. To achieve the purpose of autonomous parking the system searches for appropriate parking space, performs obstacle detection, PWM signals from the controller to the servo motors achieve parking. The car parking system proposed is a compact module that can be integrated into any vehicle.