



**MARA UNIVERSITY OF  
TECHNOLOGY**  
BUKIT MERTAJAM BRANCH

**FINAL YEAR PROJECT REPORT**  
**(KEU 380)**

**TITLE OF PROJECT:**  
**ELECTRONIC HORN FOR CAR**

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## **ABSTRACT**

Horn is an apparatus, usually use in a car, which makes a loud and short warning sound.

This project describes the constructional and working details of an electronic horn. This electronic horn is primarily designed for the use of car. It can also be used effectively as a novel doorbell. The electronic horn is not like a normal car horn because it produces a two-note modulated sound output. The circuit involves digital and analogue concept. The components involved in our project are timer IC, audio amplifier IC, zener diodes, resistors, capacitors and loudspeaker.

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# CHAPTER 1

## INTRODUCTION

### 1.1 Operation Of The Circuit:

The horn presented here is of 2-note (modulated sound) type and delivers about 4 Watt musical powers at 12 volt. While using it as a call bell, 6V DC supply is enough, which can be derived either from dry battery cells or a battery eliminator.

The system is flexible enough to work off right from 6V to 18V supply, without change of any component in the circuitry. However, it is important to use a speaker of the right rating. The speaker should be rated one watt for 6V supply, 5 watt for 12V and 7 watt for 18V.

### 1.2 Objective:

- In this project, we want to show the design and function of an electronic horn.
- We also want to prove that the circuit can operate on practical not on just theoretical.
- To design, study and research on an electronic horn .