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FUNCTION AND WAVEFORM GENERATOR FOR AUDIOMETRY

E/605

Project report submitted by  
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## ABSTRACT

Title : Function and waveform generator for audiometry  
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The objective of this project is to design, construct and test a function and waveform generator with associated filters, to be used as teaching aid in audiometry.

In chapter 1 various oscillator circuits and filters are described to enable us to choose the most suitable for this project.

Chapter 2 deals with the general explanation of the block diagram of the system while a more detailed explanation of each unit is done in chapter 3.

Chapter 4 shows the way that the system can be controlled using the various switches and potentiometers. Details about the actual printed circuit board (pcb) and the components used are given in chapter 5. Also the wiring schematic of the system is shown here.

Chapter 6 gives information about the testing of each unit separately, when this is unconnected from the other circuits. The various signals taken at the output of each circuit are shown and explained. The results of the testing of the whole circuit, when all the units are connected together, are also shown.

The chapter ends with the conclusions.

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