

HIGHER TECHNICAL INSTITUTE

COMPUTER STUDIES COURSE

DIPLOMA PROJECT

COMPUTER SOUND GENERATION

BY: PANAYIOTOU PANAYIOTIS

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SUMMARY

SOUND GENERATION PACKAGE

BY

PANAYIOTOU PANAYIOTIS

The purpose of this project is to develop a complete "sound generation software package". Through this package the user will be able to create and edit sound samples, create effects and compose songs using the sound samples as instruments. The package is developed using Assembly 68000 machine language on a microcomputer. It consists of two parts : the Sound Effects generator and the Soundtracker. Sound Effects Generator enables you to digitize a sound from an external source using a hardware component called *Sound Digitizer*, manipulate the sound, edit it and save it as an instrument used by the Soundtracker. Soundtracker is a computer-based song composition program in which you can create amazing music tunes.

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