

SOUND CARD SYSTEM USING THE IBM-PC

BY:

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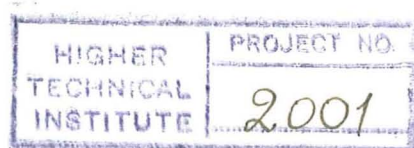
Project Report submitted to the
Department of Electrical Engineering of the
Higher Technical Institute
Nicosia Cyprus
in partial fulfilment of the requirements
for the diploma of

**TECHNICIAN ENGINEER
ELECTRICAL ENGINEERING**

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1992



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Summary:

The main objectives of this project were to design and construct an interface to the IBM-PC also an analog to Digital converter to sample analog signals and finally to write a program in either Pascal or Assembly to read the samples and to store them in a floppy disk or a hard disk.

The project relies on both hardware and software. The first four chapters are related to hardware. To be more specific the IBM-PC is emphasized and various signals are explained, an introduction to interfacing and the Sound Card Interfacing, the various Analog to Digital technics and the sampler of the Sound Card System and finally the Digital to Analog technics and the "reproduction stage" of the Sound Card System (the o/p DAC and the digital volume control).

The sixth chapter explains the various methods of implementing the software for the Sound Card System. Finally the software analysis, the environment and the listing of the program.

At the last chapter the various applications for this project are examined, testing is examined and the troubleshooting of the various parts of the Sound Card System. The costing and the comments and conclusions.

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ACKNOWLEDGEMENTS

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