

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING
DEPARTMENT

DIPLOMA PROJECT

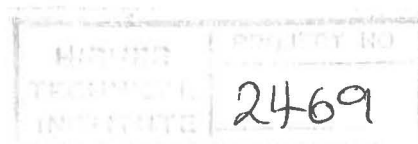
DEVELOPMENT OF A COMPUTER DATA BASE
SYSTEM

FOR ELECTRONIC LABORATORIES

E.992

SAVVAS TOURVAS

JUNE 1995



H.T.I.

ELECTRICAL ENGINEERING DEPARTMENT

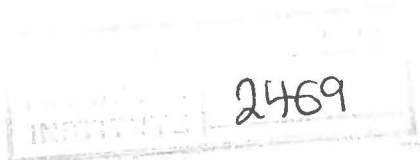
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SYSTEM
FOR ELECTRONIC LABORATORIES**

BY:

SAVVAS TOURVAS

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

**TECHNICIAN ENGINEER
ELECTRICAL ENGINEERING**

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1995



ACKNOWLEDGMENTS

I would like to thank my supervisor Mr. Spyro Spyrou for his excellent guidance and his helpful assistance during the design of the program.

I would also like to thank my external supervisor Mr. Evripide C. Matsia about the writing of the program.

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INTRODUCTION

In 1980, IBM released its first personal computer, Microsoft released MS-DOS and the PC revolution began. Throughout the 1980s, millions users learned to issue a variety of MS-DOS commands and to use a variety of applications.

At the most companies and factories all the data were kept in papers. It was very difficult to keep records of all incoming and outgoing data so the database programs were start to take place.

At 1989 CLARION Software Corporation release the Clarion Professional Developer for designing database programs. It is a complete package the comes with the Designer for designing the screens, the Editor of the programs and modules, the Compiler for checking the correct syntax, the Helper utility for designing the helps menus, the Processor for running and debugging the programs, the Translator for making .EXE files, and some other utilities for working with the DATA files.

Laboratories are working with a standard catalogue the so call RS CATALOGUE. It provides all the items by STOCK number to be easier in ordering of items. Everything is written down by their categories and some other specifications that must be provided for avoid any wrong choices of ordering.

So the LABORATORIES program was design to working under the stock number and the type of the item for rapidly searching, entry or reading the records. The other specifications of the items must be shown only if the user choose the appropriate function key. Also another utility must come with the program, the stocks are available in the laboratory i.e. the number of resistors, lets say, that are available for use.

Because the program is a database program the user need to backup the data files every two or three days for avoiding any case to lose data by an accident. A very good program for saving data is the Microsoft backup that compress the data files and keep it in floppy diskettes and it can be restored back any time needed.