

**FURTHER DEVELOPMENT AND IMPLEMENTATION OF AN EXISTING
COMPUTERISED EQUIPMENT INVENTORY SYSTEM**

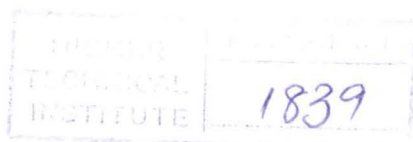
**by
KYRIAKOS VALIANTIS**

**Project Report
Submitted to
the Department of Electrical Engineering
of the Higher Technical Institute
Nicosia Cyprus
in partial fulfillments of the requirements
for the diploma of
TECHNICIAN ENGINEER**

in

ELECTRICAL ENGINEERING

June 1990



The objective of the project was to improve an existing computerized inventory system, based on the information contained in the Equipment Record cards at the H.T.I. as shown in appendix A, and write it in a database language.

Such an application involves a database management that can deal with relational databases, therefore dBASE IV was used to implement the problem.

From the tests performed it is shown that the Equipment Record manual card was converted into a computerized inventory system that not only increased the efficiency, but provided some extra facilities that with the manual card system would be very difficult to perform.

Some new features found in the new program are that more conditions have been added for searching the databases and the reports produced include more information.

1	Acknowledgments.....	iv
2	Summary.....	v
3	Introduction.....	vi
	General.....	vi
	Disadvantages of manual system.....	vi
	Solution to the problem.....	vi
	Comparison with manual system.....	vii
4	Chapter 1 - The manual system.....	1
	Explanation of the manual system.....	1
	Comparison with the available system.....	1
5	Chapter 2 - Block diagram of program.....	2
6	Chapter 3 - Explanation of the program.....	3
	Program design.....	3
	Main menu.....	3
	Add menu.....	4
	Edit menu.....	4
	Retrieve menu.....	4
	Retrieve specific data.....	5
	Print all	8
	Exit menu.....	8
7	Chapter 4 - General comments.....	9
	Other database languages.....	9
	Further improvements to the program.....	9
	Conclusions.....	9
	Problems encountered designing the program...	10
8	Appendix A - The manual card.....	11

9	Appendix B - Structure of databases.....	13
10	Appendix C - Indexes.....	15
11	Appendix D - Structure of queries.....	16
12	Appendix E - Structure of reports.....	17
13	Appendix F - Specifications of dBASE IV.....	26
14	Appendix G - Listing of program.....	27
15	Bibliography.....	140