

HIGHER TECHNICAL INSTITUTE

COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT

**INVENTORY FOR THE COMPUTING AND OTHER
FACILITIES AT THE PUBLIC WORKS
DEPARTMENT**

CS/177

CONSTANTINOS KARMELLOS

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*Dedicated to people that are
dreaming of a better world*

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Introduction

The computerized inventory for the computing and other facilities at the Public Works department is a database system that will be designed to keep track of all information technology (IT) facilities and other equipment existing at the Public Works Department, a department of the government.

The PWD since 1992 acquired a large number of computers, printers, plotters and other IT facilities. Information on these facilities was originally kept using a manual system. By the time, the number of these devices has raised a lot and keeping track of the whole inventory became infeasible, due to the expanding facilities and especially to the continuing shifting of the various components from one place to another and from one user to another.

The computerized inventory system will be successfully managing the information about all these components, along with the shifting of them from one place to another , one user to another. In addition, information about components that are linked in a Network (Servers and devices) will be managed. The system will also provide any further useful information, that could be of any use, like for example, information about the suppliers of those IT facilities.

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- 1. Context Diagram**
- 2. Entity/Relationship Diagram (E/R D)**
- 3. Data Flow Diagrams (DFDs)**
- 4. Data Access Diagram**

Appendix B

- 1. Data Dictionary**
 - a. Data Dictionary**
 - b. Processes**
 - c. Inputs**
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 - e. Data Stores**

Appendix C

- 1. System Flowcharts**

Appendix D

- 1. Program Structure Charts**