

**HIGHER TECHNICAL INSTITUTE**

**ELECTRICAL ENGINEERING DEPARTMENT**

**DIPLOMA PROJECT**

**COMPUTER NETWORKING**

**E.1406**

**ATHENOULLA G. KOULOUMBRI**

**JUNE 2006**

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HIGHER TECHNICAL INSTITUTE	PROJECT NO 3658
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# COMPUTER NETWORKING

by

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## **SUMMARY:**

The purpose of this project is to provide assistance to the reader to understand the complication about the computer network.

There is exemplification and information in this project which simplify the complicate networking.

This project will be used:

- For people who interest to learn more about the way the networks work.
- For people who interest to learn the fundamentals to installation of network in their house.
- For owner small companies who interest to installation of network in their office.

The first two chapters will support of survey networks and present the models of the data communication. To give to the reader the wanted background to understand the usefulness of networks, is very important to mention about topologies and their functions.

Then we will investigate the different LAN devices, which are needed in the network and at the same time we will learn about the software and protocols.

Later on we will learn how a LANs built, in order to connect the computers, to share files, data and printers.