

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

SUPPORTING ENGINEERING TRAINING
AT THE HTI USING THE WEB SITE

E.1316

BY

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JUNE 2003

HIGHER TECHNICAL INSTITUTE

Project report submitted for completion of the
Electrical Engineering course in
Higher Technical Institute

“Supporting Engineering Training at the HTI using the Web Site”

E. 1316

by Michalis Kyriacou

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**HIGHER TECHNICAL INSTITUTE
NICOSIA - CYPRUS
ELECTRICAL ENGINEERING DEPARTMENT
DIPLOMA PROJECT**

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Project Number: E. 1316

Title:

“Supporting Engineering Training at the HTI Using the Web Site.”

Objectives:

To design a website containing study and training material for HTI students.

Terms and Conditions:

- Investigate suitability of programs used for the development of the existing website.
- Further investigation into formats suitable for storing notes and tutorials.
- Select new or use the existing program to develop further the web site.
- The page is required to be easy to navigate and use specific access code for specific course.

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External Assessor : Mr. P Livadiotis.

Mark : %



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This project is dedicated to my mother Maria Kyriacou who passed away on 19th of April 2003.

SUMMARY

The purpose of the project was to design a web site containing study and training material for the HTI students. Specific study was carried out and different web site characteristics were set. The web development was carried out successfully and final work can be viewed online at <http://www2.Cytanet.com.cy/hti2>

CHAPTER 1- GETTING STARTED

1.1 The Basics

There are a variety of basic terms and concepts that must be well defined and understood before someone starts building a web site. These terms are defined below.

Internet

Internet is a collection of individual networks around the world interconnected with each other using TCP/IP protocol. Internet is the largest WAN (Wide Area Network) in the world.

TCP/IP (Transmission Control Protocol/Internet Protocol)

TCP/IP is the basic communication language of the Internet. It can also be used as a communications protocol in a private network (either an intranet or an extranet).

IP address

An IP address is a number that identifies each sender or receiver of information that is sent in packets across the Internet.

WWW (World Wide Web)

All the resources and users on the Internet that are using the Hypertext Transfer Protocol (HTTP).