HIGHER TECHNICAL INSTITUTE

COURSE IN COMPUTER STUDIES

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CREATION OF AN ISP SITE FOR THE HTI COMPUTER STUDIES DEPARTMENT USING OPEN SOURCE SOFTWARE

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INTRODUCTION

The primary purpose of the project is to provide a solution to the problems due to the lack of internet services provided to the students of the Computer Studies department of the Higher Technical Institute in Nicosia. The most serious problems we have to solve throughout this project are:

- The complete lack of official hosting services for student's projects on the Internet.
- The lack of broadband Internet access as well as Internet services like e-mail accounts to the students and teachers of the Computer Studies Department through the local area network of the CS department.
- The lack of official hosting of the Computer Studies Department Web page on the Internet.
- The provision of access to the department's LAN and/or Internet from the homes of the students and teachers of the department either through dial up connections or VPN services.

Throughout the process of the analysis of the system we will investigate the problems we are faced with and recommend different solutions for these problems. After the stage of the analysis we will develop the solution that we will find most suitable.

Some points we have to keep in mind during the development is first that since the CS Department is a part of an educational institution the expenses and operational costs of this kind of system must be cut down to the minimum possible. Also the type of software license we have to keep is specifically stated as the open source type software i.e. GPL licensed software. And from our experience we know that most people usually do not understand what open source software is. For more information please refer to the following web site: *http://www.opensource.org*.

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