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ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

FINDING INFORMATION FOR ELECTRICAL  
ENGINEERS VIA THE INTERNET

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# **Finding Information for Electrical Engineers Via the Internet**

Project Submitted by

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**Tasos D. Lazarides**

## *Abstract*

This project deals with the problem Electrical Engineers have, in obtaining the information they require. A sample Webpage was built in order to help them find the information that is scattered throughout the Internet. Also this project contains information about the Internet, Intranet and more.

In addition, this project guides the reader step by step through the process required to built a Webpage on the Internet.

<b>Introduction</b>	<b>1</b>
<b>CHAPTER 1</b>	<b>3</b>
<b>1. INFORMATION ABOUT THE INTERNET</b>	<b>4</b>
1.1 How Internet was Created	4
1.2 TCP/IP Suite of Protocols	6
1.3 Simple Mail Transfer Protocol (SMTP)	7
1.4 What is the Internet Protocol (IP)	7
1.5 Intranet	8
1.6 Ethernet	8
<b>Chapter 2</b>	<b>9</b>
<b>2.1 Setting up a Webpage</b>	<b>10</b>
2.1.1 Choosing the correct Modem	11
2.1.2 Choosing an Internet Service Provider	13
2.1.2.1 NetMechanic	13
2.1.2.1.1 Understanding NetMechanic's Results	14
2.1.3 Setting up the Dial-Up Network	23
2.1.4 Choosing and Installing an Internet Browser	23
2.1.4.1 Microsoft Internet Explorer 5.0 Vs Netscape Navigator 4.51	24
2.1.5 Choosing a Server to host the Webpage	26
2.1.6 Choosing and Installing the suitable Software	34
2.1.6.1 What is HTML	34
2.1.6.2 Choosing the suitable Software	36
2.1.6.3 Installing the Software	36
2.1.7 Using the selected Software	37
2.1.7.1 Inserting Text in the WebPage	38
2.1.7.2 Inserting an Image in the WebPage	40
2.1.7.3 Inserting BackGround in the WebPage	44
2.1.7.4 Inserting Links in the WebPage	45
2.1.8 Publishing the WebPage	47

<b>CHAPTER 3</b>	<b>50</b>
<b>3.1 Contents of the WebPage</b>	<b>51</b>
<u>3.1.1 Links (Page 1)</u>	51
<u>3.1.1.1 Search Engines</u>	51
<u>3.1.1.2 Sites with Links</u>	52
<u>3.1.1.3 Digital Datasheets</u>	52
<u>3.1.1.4 Various Links</u>	52
<u>3.1.1.5 Component Manufacturers</u>	52
<u>3.1.2 Links (Page 2)</u>	53
<u>3.1.2.1 Communication</u>	53
<u>3.1.2.2 Telephone Installation</u>	54
<u>3.1.2.3 Sound Engineering</u>	54
<u>3.1.2.4 Electrical Motor Control</u>	54
<u>3.1.2.5 Maths</u>	54
<u>3.1.3 Theory</u>	55
<u>3.1.3.1 Multiplexing</u>	55
<u>3.1.3.2 Modulation</u>	56
<u>3.1.3.3 Transmission Systems</u>	56
<u>3.1.3.4 Networking</u>	56
<u>3.1.3.5 Power Electronics</u>	56
<u>3.1.4 Information about the Internet</u>	57
<u>3.1.4.1 How Internet was created?</u>	57
<u>3.1.4.2 TCP/IP Protocol</u>	57
<u>3.1.4.3 Internet Engineering Task Force (IETF)</u>	57
<u>3.1.4.4 Request For Comments (RFC)</u>	57
<u>3.1.5 Glossaries</u>	58
<u>3.1.6 HTML Quick Reference</u>	58
<u>3.1.7 Downloads</u>	58
<b>3.2 Syllabus Covered</b>	<b>59</b>
<b>3.3 Problems faced during the building of the WebPage</b>	<b>59</b>

<b>CHAPTER 4</b>	<b>60</b>
<b>4.1 The Benefits of Intranets</b>	<b>62</b>
4.2 <i>Network Requirements</i>	63
<b>4.3 Choosing Server Hardware for Your Intranet</b>	<b>63</b>
<b>4.4 Server Operating Systems</b>	<b>64</b>
<b>4.5 Server Software</b>	<b>65</b>
<b>4.6 Web Servers</b>	<b>66</b>
<b>4.7 Connectivity</b>	<b>66</b>
<b>4.8 Security</b>	<b>67</b>
<b>4.9 How E-mail is Delivered Within an Intranet</b>	<b>68</b>
<b>4.10 How E-mail is Delivered Among Intranets</b>	<b>70</b>
<b>4.11 Domain Name System (DNS)</b>	<b>71</b>
4.11.1 <i>How Intranet Domain Name System (DNS) Servers Work</i>	72
<b>4.12 Overview</b>	<b>73</b>

## *Introduction*

The need for gathering information in Electrical Engineering is great. Having to work with so many different kinds of circuits and so many different kinds of components makes it essential to be able to find the information Electrical Engineers require fast and easy. Additionally, the rapid development in this field makes it hard for Electrical Engineers to keep in touch. So the need for finding information fast, easy and without having to buy expensive books and manuals arose.

If for example an Engineer wants to build a power supply that has an input of 8-12V and output of 5V in order to be used with Digital Circuits, there is a lot of information he needs to find in order to build this. For this circuit the following components are needed:

- an 7805 regulator IC
- an 100 uF electrolytic capacitor, at least 25V voltage rating
- an 10 uF electrolytic capacitor, at least 6V voltage rating
- an 100 nF ceramic or polyester capacitor

Even for this small circuit, information is needed in order to have proper operation. The capacitors must have enough high voltage rating to safely handle the input voltage feed to the circuit. The right IC must be chosen in order to give the desired regulated voltage. This is just a small example of how information is required in the field of Electrical Engineering.

With the rapid development of the Internet, Engineers saw its capabilities and decided to use it as a source of information that is fast and almost cost-free. But the problem was that the information was widely scattered in the Internet making the task of finding this information very hard especially for people that were not trained in using the Internet.

Having in mind all this, it was decided to find a way to make the use of all this information in the Internet easier, even for people that do not use the Internet often. After studying this problem, the conclusion was that building a Webpage would be the best way to make this information more accessible to Engineers. This Webpage will contain links to many other Webpages so the Engineer will have access to a lot information from one Webpage, thus decreasing the need for knowledge of the Internet. Gathering all this information will be a time consuming task but it will create a library invaluable to Electrical Engineers.

**This Webpage contains links to many other Webpages so the Engineer has access to much information from one Webpage, thus decreasing the need for knowledge of the Internet.**



**Gathering all this information was a time consuming task but it created a library invaluable to Electrical Engineers.**

***The WebPage contains the following:***

- **How Internet was created**
- **How Internet works**
- **The protocols currently used**
- **Search Engines Concerning Electrical Engineers**
- **Digital Datasheets**
- **Component Manufacturers**
- **The Internet Engineering Task Force ( IETF )**
- **“Request For Comments” Documents ( RFC )**
- **HTML language**
- **Telephone Installation**
- **Communications**
- **Telecommunications**
- **Multiplexing**
- **Modulation**
- **Transmissions Systems**
- **Networking**
- **Power Electronics**
- **Sound Engineering**
- **Glossaries**
- **Downloads related to Electrical Engineering**

In this way it gives a very good solution to the problem of finding the Information in the Internet because this Information is gathered up in one place and from there, it guides the user to the Information that exists in other sites in the Internet.