

Telecommunication Engineering Degree

Twilio.com is an American cloud communications platform. Twilio allows software developers to programmatically make and receive phone calls, send and receive text messages, and perform other communication functions using its web service APIs. Twilio uses Amazon Web Services to host telephony infrastructure and provide connectivity between HTTP and the public switched telephone network (PSTN) through its APIs. Twilio has a very complicated system to understand and use. Its services are mainly provided for qualified software developers. But in this report, I will provide an introductory guideline for using the Twilio Programmable Messages and Programmable Voices services for simple use without the need to have deep knowledge in programming. The report consists of the following sections: 1. Opening a Twilio Account and getting a Twilio Trial Number 2. Upgrading the Twilio account 3. Twilio guideline for sending and receiving SMS 4. TwiML™ for Programmable SMS 5. TwiML™ for Programmable Voice 6. Basic steps to build Programmable Voice 7. Using TwiML Bins functions 8. Xampp and Nginx web server setup for Twilio development 9. Sending messages from the dashboard of the Twilio account 10. Auto Dialer for Twilio Platform 11. Summary of testing Programmable Voice using different options 12. Summary of testing Programmable Messaging through different options 13. Creating a free website to save the files on it 14. Making a voice call using Twilio in a browser

The world energy demand has been increasing in a rapid manner with the increase of population and rising standard of living. The world population has nearly doubled in the last 40 years from 3.7 billion people to the present 7 billion people. It

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is anticipated that world population will grow towards 8 billion around 2030. Furthermore, the conventional fossil fuel supplies become unsustainable as the energy demand in emerging big economies such as China and India would rise tremendously where the China will increase its energy demand by 75% and India by 100% in the next 25 years. With dwindling natural resources, many countries throughout the world have increasingly invested in renewable resources such as photovoltaics (PV) and wind. The world has seen immense growth in global photovoltaic power generation over the last few decades. For example, in Australia, renewable resources represented nearly 15% of total power generation in 2013. Among renewable resources, solar and wind account for 38% of generation. In near future, energy in the domestic and industrial sector will become "ubiquitous" where consumers would have multiple sources to get their energy. Another such prediction is that co-location of solar and electrical storage will see a rapid growth in global domestic and industrial sectors; conventional power companies, which dominate the electricity market, will face increasing challenges in maintaining their incumbent business models. The efficiency, reliability and cost-effectiveness of the power converters used to interface PV panels to the mains grid and other types of off-grid loads are of major concern in the process of system design. This book describes state-of-the-art power electronic converter topologies used in various PV power conversion schemes. This book aims to provide a reader with a wide variety of topologies applied in different circumstances so that the reader would be able to make an educated choice for a given application.

The objective of this project is to design and install an electronics timer circuit for staircase lighting This is a push-to-on, and auto-OFF circuit. User needs to push the button only ones: to turn the light on. The light will turn automatically OFF

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after some time, since the switching OFF mechanism is timer based. The "push to on" switch is used here; this should be momentarily pushed to turn the light on. When "push to on" switch is pushed, pin-2 gets a negative pulse, and the timer gets triggered. and the IC1 555 output voltage at pin 3 will be high for certain time period, $T=1.1RC$, energizing the relay and so closing its contact to provide supply to illuminate the lights for that period. At the end of the time period the IC1 555 output voltage at pin 3 will be low, and so de-energizing the relay and so its contact will open cutting the supply and turning off the lamps

The book consists from the following parts: 1. Introduction 2. Circuit components: 555 and 556 Timer Circuits, Relays and Transistors 3. Description of the Project: Main circuit components, circuit description, selection of R and C according to required time period, settings, designed Circuit 4. Conclusion 5. References

The objective of this project is to investigate the usefulness of the power system simulator PowerWorld program developed by "Glover, Overbye &Sarma". The results obtained from the power simulator program were presented for different case studies. The following power system network was used in this study. The system consists from 6 buses. Area 1 includes bus 1-5 while Bus 6 will be part of Area 1 in some case studies, or will form separate area 2 in other case studies for comparison purpose. Note that the Available Transfer Capability (ATC) analysis add-on which determines the maximum MW transfer possible between two parts of a power system without violating any limits, and the voltage adequacy and stability tool (VAST) add-on that can solve multiple power flow solutions in order to generate a PV curve for a particular transfer or a QV curve at a given bus, was not studied here because we don't have yet VAST add-on and the ATC add-on packages.

Phone number apps are software that enables you to send

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messages, Wi-Fi, and cellular calling. Phone number apps are used to make a call, record, and transfer a call, and send customize the greetings. They also are used to send unlimited SMS and MMS. Second Phone Number apps enable you to select a custom phone number and pace phone calls. This ideal when you do not want to share your real number. Here are the features of Phone Number Apps: Offers unlimited virtual phone numbers.It helps you to share a number with your team.Supports unlimited MMS, talk, and text.This application enables you to save roaming costs.Some applications enable you to make a regular call or conference call.The objective of this book is to evaluate some phone number apps. The book consists from the following parts:1. Overview about the Phone Number Apps:2. Quick comparison between some Second Phone Number Apps covered in the book:3. How to solve the problem that the Google Play Store Application not supported in your country:4. List of some good Virtual Private Network Services VPN :5. How to install Google Pay mobile App:6. How to install PayPal Mobile App:7. How to install Mobile ID changer App:8. Installing Multiple Accounts Apps9. Evaluation of some Virtual Phone Number Services that can provide USA and Canada Phone Numbers only such as. Such as:Textnow.com, Sideline.com, GoDaddy Smartline, Line 2.com,voice.google.com,textfree.us,Nextplus, Textplus, CoverMe, RingCentral.com,Voxdirect.com, RingCentral.com,Mightycall.com10. Evaluation of some Virtual Phone Number Services that can provide Phone Number Services on certain countries. Such as:Virtual Sim, Sonetel, Flyp, Telos, Numero eSIM, Numberpeople.co.uk, TalkU,Wabi, AntiPhone, Phoner, Smscodes.io11. Evaluation of some Virtual Phone Number Services that did not work under my country Palestine using VPN or did not work properly because of an identified reason. Such as:Textme,

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Textme UP, Freetone, Dingtone, Talkatone, Burner, Ring4, Cloud SIM, Secure messenger SafeUM, Hushed, 2nr Darmowy Drugi Number, 2ndLine, Twilio.

Introduction To Telecommunications Principles 2. Network Planning And Design 3. Public Telephone Network Principles 4. Routing 5. Signalling 6. Switching 7. Coomunications Satellite 8. Mobile Network 9. Traffic Analysis 10.

Nanotechnology Bibliography

This work includes only Part 11 of a complete book in Certified Ethical Hacking Part 11: Wireless Hacking Please, buy the other parts of the book if you are interested in the other parts The objective of the book is to summarize to the user with main issues in certified ethical hacker course. The complete book consists of many parts: 1. Part 1: Lab Setup 2. Part2: Foot printing and Reconnaissance 3. Part 3: Scanning Methodology 4. Part 4: Enumeration 5. Part 5: System Hacking 6. Part 6: Trojans and Backdoors and Viruses 7. Part 7: Sniffer and Phishing Hacking 8. Part 8: Hacking Web Servers 9. Part 9: Hacking Windows and Linux Systems 10. Part 10: Wireless Hacking 11. Part 11: Hacking Mobile Applications

This hands-on, laboratory driven textbook helps readers understand principles of digital signal processing (DSP) and basics of software-based digital communication, particularly software-defined networks (SDN) and software-defined radio (SDR). In the book only the most important concepts are presented. Each book chapter is an introduction to computer laboratory and is accompanied by complete laboratory exercises and ready-to-go Matlab programs with figures and comments (available at the book webpage and running also in GNU Octave 5.2 with free software packages), showing all or most details of relevant algorithms. Students are tasked to understand programs, modify them, and apply presented concepts to recorded real RF signal or simulated received

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signals, with modelled transmission condition and hardware imperfections. Teaching is done by showing examples and their modifications to different real-world telecommunication-like applications. The book consists of three parts: introduction to DSP (spectral analysis and digital filtering), introduction to DSP advanced topics (multi-rate, adaptive, model-based and multimedia - speech, audio, video - signal analysis and processing) and introduction to software-defined modern telecommunication systems (SDR technology, analog and digital modulations, single- and multi-carrier systems, channel estimation and correction as well as synchronization issues). Many real signals are processed in the book, in the first part – mainly speech and audio, while in the second part – mainly RF recordings taken from RTL-SDR USB stick and ADALM-PLUTO module, for example captured IQ data of VOR avionics signal, classical FM radio with RDS, digital DAB/DAB+ radio and 4G-LTE digital telephony. Additionally, modelling and simulation of some transmission scenarios are tested in software in the book, in particular TETRA, ADSL and 5G signals. Provides an introduction to digital signal processing and software-based digital communication; Presents a transition from digital signal processing to software-defined telecommunication; Features a suite of pedagogical materials including a laboratory test-bed and computer exercises/experiments??.

The paper evaluates some the security tools. Top security tools can be found in <http://sectools.org/>. Most important vulnerabilities in Windows and Linux can be found in www.sans.org/top20/. The paper covers the installation and configuration of the following security tools:LANguardNessus SnortBASEACIDRmanSnortCenter.OSSECSguil

This work includes only Part 8 of a complete book in Certified Ethical Hacking Part 8: Hacking Web Servers Please, buy the other parts of the book if you are interested in the other parts

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The objective of the book is to summarize to the user with main issues in certified ethical hacker course. The complete book consists of many parts: 1. Part 1: Lab Setup 2. Part2: Foot printing and Reconnaissance 3. Part 3: Scanning Methodology 4. Part 4: Enumeration 5. Part 5: System Hacking 6. Part 6: Trojans and Backdoors and Viruses 7. Part 7: Sniffer and Phishing Hacking 8. Part 8: Hacking Web Servers 9. Part 9: Hacking Windows and Linux Systems 10. Part 10: Wireless Hacking 11. Part 11: Hacking Mobile Applications

Faults studies form an important part of power system analysis. The problem consists of determining bus voltages and line currents during various types of faults. If the fault location is known the problem can be easily solved. But if the fault location is unknown, it is difficult to solve the problem. If the fault location is known the problem can be easily solved. But if the fault location is unknown, it is difficult to solve the problem. There were attempts to find the critical distance of a fault that will cause certain pre-defined voltage dip at certain bus, and the problem was easy to be solved in radial systems, but yet non of the existing researches could provide proper solution for finding the critical distance of the fault at certain line that will cause predefined voltage dip magnitude at certain bus. in meshed power system. The paper provided proper solution based in Gauss Seidal to find the critical distance in meshed power system

The objective of this project is to investigate the usefulness of the power system simulator PowerWorld program developed by "Glover, Overbye & Sarma". The results obtained from the power simulator program were presented for different case studies. The following power system network was used in this study. The system consists from 6 buses. Area 1 includes bus 1-5 while Bus 6 will be part of Area 1 in some case studies, or will form separate area 2 in other case studies for comparison

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purpose. Note that the Available Transfer Capability (ATC) analysis add-on which determines the maximum MW transfer possible between two parts of a power system without violating any limits, and the voltage adequacy and stability tool (VAST) add-on that can solve multiple power flow solutions in order to generate a PV curve for a particular transfer or a QV curve at a given bus, was not studied here because we don't have yet VAST add-on and the ATC add-on packages

The objective of the book is to summarize to the user with main topics in certified ethical hacker course. The book consists of the following parts: Part 1: Lab Setup Part2: Foot printing and Reconnaissance Part 3: Scanning Methodology Part 4: Enumeration Part 5: System Hacking Part 6: Trojans and Backdoors and Viruses Part 7: Sniffer and Phishing Hacking Part 8: Hacking Web Servers Part 9: Hacking Windows and Linux Systems Part 10: Wireless Hacking Part 11: Hacking Mobile Applications You can download all hacking tools and materials from the following websites <http://www.haxf4rall.com/2016/02/13/ceh-v9-pdf-certified-ethical-hacker-v9-course-educational-materials-tools/> www.mediafire.com%2Ffolder%2Fad5szsted5end%2FEduors_Professional_Ethical_Hacker&h=gAQGad5Hf

This work includes only Part 5 of a complete book in Certified Ethical Hacking Part 5: System Hacking Please, buy the other parts of the book if you are interested in the other parts The objective of the book is to summarize to the user with main issues in certified ethical hacker course. The complete book consists of many parts: 1. Part 1: Lab Setup 2. Part2: Foot printing and Reconnaissance 3. Part 3: Scanning Methodology 4. Part 4: Enumeration 5. Part 5: System Hacking 6. Part 6: Trojans and Backdoors and Viruses 7. Part 7: Sniffer and Phishing Hacking 8. Part 8: Hacking Web Servers 9. Part 9: Hacking Windows and Linux Systems 10.

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Part 10: Wireless Hacking 11. Part 11: Hacking Mobile Applications

Remote Desktop Protocol (RDP) is a proprietary protocol developed by Microsoft which provides a user with a graphical interface to connect to another computer over a network connection. The user employs RDP client software for this purpose, while the other computer must run RDP server software. RDP refers to Remote Desktop protocol which connects your remotely connected computers or system over a RDP connected network. RDP gives a graphical interface to a client to be able to associate with another PC, system or network. RDP servers are built on Windows OS, but can be enabled to other OS as well. The major benefit of a remote desktop connection is being able to connect to your data from anywhere in the world. Your data is in one place that is easy to see and you no longer have to have software installed on your own computer. In Simple term “RDP is a short form of Remote Desktop Protocol – RDP specifies for home windows servers, it works as an icon to get in touch with an additional computer system, usually, it is utilized for attaching to a server organized in a data center to carry out jobs that typically do not need much user interaction and runs 24/7.”Several of the extra usual uses of RDP servers are running bots, SEO devices, bitcoin mining, on-line video clip streaming, running forex trading software and so on. Most RDP servers’ providers that provide free services during trial period will request debit/credit card information, which is risky for us as they can claim any payment from the card. So that encouraged me to search for RDP services providers that can provide services during free trial period without requesting credit/debit card information. This report will investigate the possible ways to get free RDP server account or RDP server account at lowest cost. The report will consist from the following parts: 1. Some RDP Services

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Providers with free trials 2. Some RDP servers providers that sell RDP with Credit Card, Debit Card, Bitcoin, PayPal or other E-wallets 3. Getting free RDP from freerdpserver.com 4. Getting free RDP from Google Cloud 5. Getting Google Cloud RDP/VPS for free for one month through Qwiklabs.com 6. Creating RDP through Alibabacloud.com 7. Getting free RDP/VPS for seven days from CloudSigma.com 8. Getting RDP/VPS through Microsoft Azure 9. Getting Microsoft Azure RDP/VPS for free through Sandbox subscription 10. How to get university email: 11. How to get RDP service for free through Microsoft Azure for students: 12. Getting free RDP from AWS Amazon: 13. How to get free RDP service with Amazon AWS Educate: 14. Some free websites that can be used to receive SMS online using numbers from some countries: 15. Generating virtual debit/credit cards using namso gold CC BIN generator for verification of some online services accounts:

This work includes only Part 4 of a complete book in Certified Ethical Hacking Part 4: Enumeration Please, buy the other parts of the book if you are interested in the other parts The objective of the book is to summarize to the user with main issues in certified ethical hacker course. The complete book consists of many parts: 1. Part 1: Lab Setup 2. Part2: Foot printing and Reconnaissance 3. Part 3: Scanning Methodology 4. Part 4: Enumeration 5. Part 5: System Hacking 6. Part 6: Trojans and Backdoors and Viruses 7. Part 7: Sniffer and Phishing Hacking 8. Part 8: Hacking Web Servers 9. Part 9: Hacking Windows and Linux Systems 10. Part 10: Wireless Hacking 11. Part 11: Hacking Mobile Applications

This is my master thesis "Optimal and Suboptimal control of SMES Devices for Power System Stability Enhancement."It includes the following chapters:1)

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Chapter 1:Introduction2) Chapter 2:System Modeling3)
Chapter 3:Control Design4) Chapter 4:SMES Control for
Single Machine Infinite Bus System5) Chapter 5:
Application to Multi-Machine System6) Main Fortran
Program of M. Sc. Thesis Optimal and Suboptimal
Control of SMES Devices for Power System Stability
Enhancement

This book explains some easy ways for earning money from internet form advertisement websites. The book covers the following ways to earn money from internet and to increase the number of visitors in your website. 1. Introduction 2. Earning money through shortening the url of your website in the advertisement sites such as Adf.ly and Adfoc.us 3. Getting traffic to your website using Bot traffic tool. 4. Using "iView Fur U v3!" tool to bring traffic to your website. 5. Using "TBN Best Tuber" tool to bring traffic to your website. 6. Using "Adf.ly Bot 3.1.0" tool to bring traffic to your website. 7. Using "traffic sprite" tool to bring traffic to your website 8. Using "Hit leap" tool to bring traffic to your website 9. Using "otohits.net" tool to bring traffic to your website. 10. Online Ad Models: CPM, CPC, CPL, CPA 11. Top 15 Advertisement Network s 12. Best 6 Advertisement Networks 13. Creating blog website for advertisements in blogger.com: 14. Creating word press website for advertisements in www.wordpress.com 15. Creating word press website for advertisements in free webhosting www.000webhost.com: 16. Creating advertisement links in Propeller Ads and using them in the blogger website: 17. Creating advertisement links in Propeller Ads and using them in the word press website. 18. Creating

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advertisement links in revenue hits and using them in the word press website. 19. Earning money from advertisement links in CPAlead and using them in the word press website

Creating E-books in epub format is very important to sell E-books in electronic book stores. Most publishing and distribution E-book stores will not accept the epub format document for E-book if it includes any warnings or errors when validated and that is a very big challenge to all authors. I devoted this book to evaluate some tools that can be used for creating, validating and editing E-books to be in proper Epub format without errors. Personally, I suggest the following guidelines for preparing E-book in Epub format.

- Write the document in Microsoft word as .docx file. Make sure to properly setup the h1 headings and h2 headings and h3 headings on each section of the document as these data are the most important data used by the Epub management software to convert the document to epub format.
- Convert the Microsoft document to Epub format using Calibre E-book management software. Add all required metadata and the cover and also create a table of contents when converting the file.
- Using any Epub reader, check if the layout of epub document according to the headings you made on the word document is good and comfortable to any reader.
- Validate the epub document to see if it has errors and warnings using the website <http://validator.idpf.org>.
- Then try to troubleshoot and identify the exact location of the errors detected by the epub validator on the epub document by tracing the code view of the epub document using Sigil epub editor. Then,

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modify the word document to eliminate the errors. And reconvert the word document to epub format using Calibre E-book management software. Validate the updated epub document for any errors again. This book contains the following sections: 1. Some online publishing and distribution stores 2. Epub Validators 3. Creation Epub file through online websites 4. Common software's to convert a file to Epub format 5. Converting document to Epub format using Calibre software 6. Editing Epub documents using Sigil Epub Editor

This book provides brief survey of the some Voice Over IP (VOIP) providers, including the providers that offers free calls to some countries. Then, I will mention some websites that offer virtual phone numbers from around the world to receive activation codes and SMS confirmations online. The report consists from the following parts: 1. How does VOIP work? 2. Getting free phone number in US or Canada and other countries 3. Betamax (Dellmont sarl) VOIP Service Provider. 4. Some free websites that can be used to receive SMS online using numbers from some countries. 5. Best websites that offer SMS verification, sending SMS and renting number services. 6. Inphonex VOIP Provider. 7. eFax 8. VOIP Frequently asked equestions.

Today a lot of sites require SMS verification code for registration account. If you do not want to use your personal phone number to verify or activate account, use virtual phone number. Thus, there is no need for a SIM card in your mobile phone, only need access to the Internet. You can receive text messages via WEB interface or API. There are a lot of websites that offer

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temporary free, as well as private numbers from around the world to receive activation codes and SMS confirmations online. Their private numbers are intended for two types of SMS reception: disposable virtual numbers and numbers for rent. You can receive SMS online and use the numbers to sign up or verify for any services like Telegram, Facebook, Google, Gmail, WhatsApp, Viber, Line, WeChat, KakaoTalk etc. In the first part of the book I will mention the best websites that offer virtual phone numbers from around the world to receive activation codes and SMS confirmations online.. The VCC is a short form of Virtual Credit Card that can be used for online verification, PayPal, EBay, Amazon and Google Adwords account verification. The second part of the book will guide you to how to obtain virtual debit/credit cards for sake of online accounts verification. There are bulk numbers of banks and debit/credit cards issuers that offer virtual or physical debit/credit card. But I will not go through any of them as I covered them in a book I published previously. I will only concentrate on some quick methods to obtain debit/credit cards for sake of online account verification. I will briefly talk about generating virtual debit/credit cards namso gold CC BIN generator for verification of some online services. Then I will talk about paypalvccs.com website that offers Virtual Visa Card for sake of online accounts verification. At the end I will mention how to get USA shipment address through Viabox.com website, and I will list some of the free VPN Services I commonly use. The book consists from the following parts: 1. Some free websites that can be used to receive SMS online

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using numbers from some countries.2. Some paid (not free) websites that can be used to receive SMS online using numbers from some countries.3. Getting free phone number in US or Canada and Other Countries:4. Best websites that offer SMS verification, sending SMS and renting number services.5. Generating some virtual debit/credit cards through BIN Codes for verification of some online services.6. Paypalvccs.com website that offer Virtual Visa Card for sake of account verifications.7. Getting USA shipment address through Viabox.com.8. Some of the free VPN Services I commonly use.

This book includes my lecture notes for electrical power transmission course. The power transmission process, from generation to distribution is described and expressions for resistance, inductance and capacitance of high-voltage power transmission lines are developed used to determine the equivalent circuit of a three-phase transmission line. The book is divided to different learning outcomes

Part 1- Describe the power transmission process, from generation to distribution.

Part 2- Develop expressions for resistance, inductance and capacitance of high-voltage power transmission lines and determine the equivalent circuit of a three-phase transmission line.

Part 1: Describe the power transmission process, from generation to distribution. .

- Describe the components of an electrical power system.
- Identify types of power lines, standard voltages, and components of high-voltage transmission lines (HVTL). .
- Describe the construction of a transmission line, galloping lines, corona effect, insulator pollution, and lightning strikes. .
- Explain transmission system stability in

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regards to power transfer, power flow division, and transfer impedance. Part 2: Develop expressions for resistance, inductance and capacitance of high-voltage power transmission lines and determine the equivalent circuit of a three-phase transmission line. · List the types of conductors used in power transmission line. · Develop the expression for the inductance and capacitance of a simple, single-phase, two wire transmission line composed of solid round conductors. · Deduce the expression for the inductance and capacitance of a simple, single-phase composite (stranded) conductor line. · Derive the expression for the inductance and capacitance of three-phase lines having symmetrically and asymmetrically spacing and for bundled conductors. · Discuss the effect of earth on the capacitance of three-phase transmission lines. · Derive the short transmission lines models and medium transmission lines models.

instead of a fax machine. It can be a flexible, inexpensive option for transmitting documents. Internet fax services usually assign a fax number to each person who signs up for the service. people can send faxes to this number, and customers can send faxes via e-mail without using a fax machine. To send a fax through an Internet fax service:

- The sender attaches a document to an e-mail message. The document can be a scan of a paper document, or it can be created in a program like Microsoft Word.
- The sender addresses the message to the recipient's fax number, followed by the name of the faxing service (for example: 18005551234@emailfaxes.com).
- The service translates the attachment so that a fax machine can read

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it. • The service sends the data across the phone line. • The recipient's fax machine decodes the data and prints the fax. To receive a document from a traditional fax machine through an Internet fax service: • The sender dials the fax number that the service has assigned to the recipient. • The fax machine translates the data and transmits it over the phone line. • The service receives the data, translates it into an image file and sends the image to the recipient's e-mail address. • The recipient opens the em-ail message and the attachment and views the file. As getting cheap internet fax service is important, I tried to look for cheap internet fax service that can fax to any country worldwide and can also use PayPal as it is safe payment than credit card. Unfortunately, I could not find cheap fax service for international destination. All internet fax services offer only cheap services to the free zones countries such as usa and Canada. I could not find cheap service to international destinations. Maybe the best of my search for faxing to international destination was FAX.PLUS that allows also paypal. But when I tried to subscribe to basic plane using paypal, paypal asked me to give them permission to access my registered credit card, and I refused that and so I could not subscribe. I will divide web sites that I had look to their internet fax services in the following groups 1-Part1: Websites that accepts paypal payments and supports faxing to international countries. Some of these are: • Gotfreefax • fax.to • Faxfresh • PamFax.biz • Faxzero • FAX.PLUS 2-Part2: Websites that accepts only credit/debit card payments and supports faxing to international countries • Hellofax •

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J2 global services vendors. It includes Metrofax, myfax, smartfax, efax, trustfax, rapidfax and fax.com 3-Part3: Websites that supports faxing to usa and Canada only • Nextiva • FAXAGE • FAXBetter In this report, I will compare the internet fax services according to the cost for sending fax to United Arab Emirate. I will assume that I have three pages to be sent to any fax number in UAE. The paper aim is to configure Apache Server to support ASP. Two methods were tested. The first, by installing Bundle::Apache::ASP, and the second, by installing SUN ONE ASP Server. Two possible options for connecting to a Microsoft Access database with Sun ONE ASP for UNIX or Linux, using the using SequeLink, and using the Sun ONE ASP Database Publisher tool to migrate an Access database to MySQL, were studied. The paper is composed from the following parts, 1. Setting up working environment when working with CodeCharge Studio program, software for building web applications. 2. Connecting to databases in ASP. 3. ASP program example. 4. Configuring apache server to support ASP by installing Bundle::Apacahe::ASP. 5. Configuring apache server to support ASP by installing Sun ONE ASP.

This work includes only Part 10 of a complete book in Certified Ethical Hacking Part 10: Wireless Hacking Please, buy the other parts of the book if you are interested in the other parts The objective of the book is to summarize to the user with main issues in certified ethical hacker course. The complete book consists of many parts: 1. Part 1: Lab Setup 2. Part2: Foot printing and Reconnaissance 3. Part 3: Scanning Methodology 4. Part 4: Enumeration 5. Part 5: System Hacking 6. Part 6: Trojans and Backdoors and Viruses 7. Part

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7: Sniffer and Phishing Hacking 8. Part 8: Hacking Web Servers 9. Part 9:Hacking Windows and Linux Systems 10. Part 10: Wireless Hacking 11. Part 11: Hacking Mobile Applications

I am Dr. Hidaia Mahmoud Mohamed Alassouli. I completed my PhD degree in Electrical Engineering from Czech Technical University by February 2003, and my M. Sc. degree in Electrical Engineering from Bahrain University by June 1995. I completed also one study year of most important courses in telecommunication and computer engineering courses in Islamic university in Gaza. So, I covered most important subjects in Electrical Engineering, Computer Engineering and Telecommunications Engineering during my study. My nationality is Palestinian from gaza strip. I obtained a lot of certified courses in MCSE, SPSS, Cisco (CCNA), A+, Linux. I worked as Electrical, Telecommunicating and Computer Engineer in a lot of institutions. I worked also as a computer networking administrator. I had considerable undergraduate teaching experience in several types of courses in many universities. I handled teaching the most important subjects in Electrical and Telecommunication and Computer Engineering. I could publish a lot of papers a top-tier journals and conference proceedings, besides I published a lot of books in Publishing and Distribution houses. I wrote a lot of important Arabic articles on online news websites. I also have my own magazine website that I publish on it all my articles: <http://www.anticorruption.000space.com> My personal website: <http://www.hidaia-lassouli.000space.com> Email: hidaia_lassouli@hotmail.com

Remote Desktop Protocol (RDP) is a proprietary protocol developed by Microsoft which provides a user with a graphical interface to connect to another computer over a network connection. The user employs RDP client software for this purpose, while the other computer must run RDP

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server software. RDP refers to Remote Desktop protocol which connects your remotely connected computers or system over a RDP connected network. RDP gives a graphical interface to a client to be able to associate with another PC, system or network. RDP servers are built on Windows OS, but can be enabled to other OS as well. The major benefit of a remote desktop connection is being able to connect to your data from anywhere in the world. Your data is in one place that is easy to see and you no longer have to have software installed on your own computer. In Simple term “RDP is a short form of Remote Desktop Protocol, it works as an icon to get in touch with an additional computer system, usually, it is utilized for attaching to a server organized in a data center to carry out jobs that typically do not need much user interaction and runs 24/7.”.Several of the extra usual uses of RDP servers are running bots, SEO devices, bitcoin mining, on-line video clip streaming, and running forex trading software and so on. Most RDP servers’ providers that provide free services during trial period will request debit/credit card information, which is risky for us as they can claim any payment from the card. So that encouraged me to search for RDP services providers that can provide services during free trial period without requesting credit/debit card information. This report will investigate the possible ways to get free RDP server account or RDP server account at lowest cost. The report will consist from the following parts: 1. Some RDP Services Providers with free trials 2. Some RDP servers providers that sell RDP with Credit Card, Debit Card, Bitcoin, PayPal or other E-wallets 3. Getting free RDP from freerdpserver.com 4. Getting free RDP from Google Cloud 5. Getting Google Cloud RDP/VPS for free for one month through Qwiklabs.com 6. Creating RDP through Alibabacloud.com 7. Getting free RDP/VPS for seven days from CloudSigma.com 8. Getting RDP/VPS through Microsoft

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Azure 9. Getting Microsoft Azure RDP/VPS for free through Sandbox subscription 10. How to get university email 11. How to get RDP service for free through Microsoft Azure for students 12. Getting free RDP from AWS Amazon 13. How to get free RDP service with Amazon AWS Educate 14. Some free websites that can be used to receive SMS online using numbers from some countries 15. Generating virtual debit/credit cards using namso gold CC BIN generator for verification of some online services accounts

Power Quality can be defined as the characteristics of the electricity at a given point on an electrical system, evaluated against a set of reference technical parameters. These parameters might relate to the compatibility between electricity supplied on a network and the loads connected to that network. The voltage waveform is normally distorted, and we have the so called Power Quality disturbances such as; voltage dips/swells, transients, harmonics and voltage unbalance amongst others. The study of Power Quality encompasses the Power Quality disturbances, as well as Power Quality standards, and Power Quality Monitoring. This project will tackle the subject of Power Quality, Power Quality Disturbances, Power Quality Standards as well as Power Quality Monitoring. A general description of each of the disturbances will be given, and the basic techniques which are used to mitigate that disturbance so as to improve the quality of the supply are presented.

This work includes only Part 7 of a complete book in Certified Ethical Hacking Part 7: Sniffer and Phishing Hacking Please, buy the other parts of the book if you are interested in the other parts The objective of the book is to summarize to the user with main issues in certified ethical hacker course. The complete book consists of many parts: 1. Part 1: Lab Setup 2. Part2: Foot printing and Reconnaissance 3. Part 3: Scanning Methodology 4. Part 4: Enumeration 5. Part 5: System

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Hacking 6. Part 6: Trojans and Backdoors and Viruses 7. Part 7: Sniffer and Phishing Hacking 8. Part 8: Hacking Web Servers 9. Part 9:Hacking Windows and Linux Systems 10. Part 10: Wireless Hacking 11. Part 11: Hacking Mobile Applications

This work explains briefly the creation and deployment Of Smart Contract on Ethereum Blockchain. The work consists from the following sections · Blockchain · Solidity variables and types · How to Setup or Install Ethereum on Windows · How to compile and deploy smart contract on JavaScriptVM · How to install Ganache Blockchain on Windows and deploy smart contract using it. · How to compile and deploy Smart Contract on Test Networks, · Quick example of deploying ERC20 token smart contract. · Getting started tutorial on Solidity · Creating ERC-20 smart contract and crowd sale (ICO) smart contract without coding · ERC-20 smart contract and crowd sale (ICO) smart contract: · Creating Ethereum ERC-20 Tokens and Crowd Sales (ICO) without coding with Token Wizard: · Example of creating and deploying an ERC20 token on the test and main network!!!

Creation of Mail Server Based On Virtual Users and DomainsDr. Hidaia Mahmood Alassouli

This work includes only Part 6 of a complete book in Certified Ethical Hacking Part 6: Trojans and Backdoors and Viruses Please, buy the other parts of the book if you are interested in the other parts The objective of the book is to summarize to the user with main issues in certified ethical hacker course.

The complete book consists of many parts: 1. Part 1: Lab Setup 2. Part2: Foot printing and Reconnaissance 3. Part 3: Scanning Methodology 4. Part 4: Enumeration 5. Part 5: System Hacking 6. Part 6: Trojans and Backdoors and Viruses 7. Part 7: Sniffer and Phishing Hacking 8. Part 8: Hacking Web Servers 9. Part 9:Hacking Windows and Linux Systems 10. Part 10: Wireless Hacking 11. Part 11: Hacking

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Mobile Applications

This work provides starting guide for simple Postfix mail server configuration. Then I configured the Postfix mail server to support Anti-Spam and Anti-Virus, using two methods. •

Method 1: With Postfix, SpamAssassin, ClamAV and Amavis-new •

Method 2: With Postfix, SpamAssassin, ClamAV and Procmail

The report includes the following sections 1. How Postfix receives mail: 2. How Postfix delivers mail 3. Starting guide for quick Postfix configuration 4. Postfix mail server and Dovecot configuration 5. Installing ClamAV and

SpamAssassin 6. Installing and configuring Squirrelmail: 7.

Method 1 to support Antivirus and Antispam: Using Postfix,

Amavis-new, ClamAV, SpamAssassin 8. Method 2 to support

Antivirus and Antispam: Using Postfix, Procmail, ClamAV,

SpamAssassin

In this report, I will speak about the academic corruption I saw in some universities and academic institutions according to my experience with them. The reason for writing the article is that I consider the covered academic corruption is the most critical issue that can affect our life. 1. The report will consists from the following parts 2. Academic Corruption in Higher Colleges of Technology in Dubai 3. Academic Corruption in University of Swaziland 4. Some stories of corruption I met in Gaza Strip institutions 5. General profile about my education and experiences with some stories of corruption I met. 6.

Academic Corruption in Palestinian Universities 7. The corruption in Palestinian Energy And Natural Resources Authority – PENRA and Electrical Companies

The thesis will try to summarise the major power system problems and the important role of the FACTS devices to enhance the power system quality. Then, it will give a brief description for various FACTS and Active Filters controllers as mentioned on the existing publications. Most of the control schemes introduced in the existing papers were designed

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either for eliminating current harmonics or eliminating voltage flickers or for load flow control. So, this work is devoted to find a proper optimal control schemes for a system with series or shunt or series and shunt converters that can provide all functions together. Various optimal control schemes will be designed for systems with series, shunt and series-shunt converters with the objective to control the load flow through a lines and to eliminate current harmonics and voltage flickers with different strategies for tracking.

- Chapter 1: Gives a general description of most power system problems and the basic techniques used to improve the power system quality. It also gives idea about basic objectives from the FACTS devices.
- Chapter 2: Offers detailed description for the basic types of FACTS devices and active filters existing in power industry.
- Chapter 3: Describes various shunt controllers for control of the Static Compensator (STATCOM) and various series controllers for the control of the Static Synchronous Series Compensator (SSSC) and various Unified Power Flow Controllers (UPFC) as covered in most existing papers.
- Chapter 4: Describes the major control schemes for the shunt active filter as covered by most existing papers.
- Chapter 5: Describes the major control schemes for the other types of active filters as covered by most existing papers.
- Chapter 6: Gives description for optimal control design.
- Chapter 7: Case studies to design different optimal control schemes for system with UPFC unit to control the power flow, eliminate voltage flicker and eliminate current harmonics. The case studies were repeated for system with only series or shunt converters.

Current-limiting fuses are widely used to protect the thyristors in dc drive systems. In the event of the commutation failure when regenerating (inverting), the fuses need to interrupt in loop supplied by the ac and dc voltages acting in series which is the most difficult case for protection by fuse. In this paper,

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a detailed study of the complete interruption process has been investigated by modeling of arcing process of the fuse. The effect varying the motor time constant, supply impedance, number of fuses used to clear the fault and dc machine rating to the total response for fuses protecting against the regenerative circuit internal commutation fault has been studied. The model of 200A fuse is employed in this study and fuses in series with the semiconductor devices (F1) and fuses in ac line (F2) are both considered.

This book includes my lecture notes for power electronics course course. The characteristics and operation of electronic power devices, firing circuits, and driving circuits for power converters are described and implemented practically in the laboratory. Uncontrolled and controlled, single phase rectifiers are used in various electrical power applications. DC to DC power conversion circuits are investigated. Circuit simulation and practical laboratories are utilized to reinforce concepts.

The book is divided to different learning parts · Part1-

Describe the characteristics and operation of electronic power devices. · Part2- Describe firing and driving circuits for power electronic converters. · Part3- Analyse the use of uncontrolled and controlled single-phase rectifiers in various electrical power applications. · Part4- Investigate the DC-to-DC power conversion circuits used in power applications. Part1:

Describe the characteristics and operation of electronic power devices. 1. Describe diode characteristics, types (power diode, general-purpose, and fast recovery), and connections (series, parallel and freewheeling). 2. Describe thyristor characteristics, two-transistor model, and purpose of di/dt and dv/dt protection. 3. Describe the power MOSFET and IGBT characteristics. 4. Compare electronic power devices in terms of various power converter applications, frequency of operation (switching speed), rating, and switching power losses. Part 2: Describe firing and driving circuits for power

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electronic converters. 1. Describe ideal and non-ideal properties of operational amplifiers. Determine the operation of various related circuits (inverting and non-inverting amplifiers, buffer amplifier, summing amplifier) 2. Describe the use of an operational amplifier for PWM generation, for triangular and sine wave generation, as a comparator, and its integration into a 555 timer. 3. Explore other basic firing and driving circuits by focusing on requirements and control features such as based on specific power devices and operational amplifier. Part 3: Analyse the use of uncontrolled and controlled single-phase rectifiers in various electrical power applications. 1. Determine the performance characteristics of uncontrolled single-phase, half-wave and full-wave rectifiers, with resistive and inductive loads. 2. Determine the performance characteristics of controlled single-phase, half-wave and full-wave rectifiers with resistive and inductive loads. 3. Determine the change in power factor when using uncontrolled and controlled rectifiers. Define input distortion and displacement factor. 4. Describe how power inversion may be achieved by varying the firing angle in controlled rectifiers. Part 4: Investigate the DC-to-DC power conversion circuits used in power applications. 1. State the principle of step-down and step-up operations. 2. Explain the DC chopper classification and describe switch-mode regulators 3. Explain the operation of buck, boost 4. Explain the operation buck-boost regulators.

Affiliate marketing is the process of earning a commission by promoting other people's (or company's) products. You find a product you like, promote it to others and earn a piece of the profit for each sale that you make. Online advertising, also known as online marketing, Internet advertising, digital advertising or web advertising, is a form of marketing and advertising which uses the Internet to deliver promotional marketing messages to consumers. Many consumers find

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online advertising disruptive and have increasingly turned to ad blocking for a variety of reasons. When software is used to do the purchasing, it is known as programmatic advertising. Online advertising includes email marketing, search engine marketing (SEM), social media marketing, many types of display advertising (including web banner advertising), and mobile advertising. Like other advertising media, online advertising frequently involves a publisher, who integrates advertisements into its online content, and an advertiser, who provides the advertisements to be displayed on the publisher's content. Other potential participants include advertising agencies who help generate and place the ad copy, an ad server which technologically delivers the ad and tracks statistics, and advertising affiliates who do independent promotional work for the advertiser. Common ways to make money with advertising · Pay per click advertising. · Sell your own advertising on your blog. · Sell text links on your blog. · CPM ad networks. · Pop-ups. · Paid reviews. This book explains some easy ways for earning money from internet form advertisement websites. The book covers the following ways to earn money from internet and to increase the number of visitors in your website. 1. Introduction 2. Earning money through shortening the url of your website in the advertisement sites such as Adf.ly and Adfoc.us 3. Getting traffic to your website using Bot traffic tool. 4. Using “iView Fur U v3!” tool to bring traffic to your website. 5. Using “TBN Best Tuber” tool to bring traffic to your website. 6. Using “Adf.ly Bot 3.1.0” tool to bring traffic to your website. 7. Using “traffic sprite” tool to bring traffic to your website 8. Using “Hit leap” tool to bring traffic to your website 9. Using “otohits.net” tool to bring traffic to your website. 10. Online Ad Models: CPM, CPC, CPL, CPA 11. Top 15 Advertisement Network s 12. Best 6 Advertisement Networks 13. Creating blog website for advertisements in blogger.com 14. Creating

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word press website for advertisements in
www.wordpress.com 15. Creating word press website for
advertisements in free webhosting www.000webhost.com: 16.
Creating advertisement links in Propeller Ads and using them
in the blogger website: 17. Creating advertisement links in
Propeller Ads and using them in the wordpress website. 18.
Creating advertisement links in revenue hits and using them
in the wordpress website. 19. Earning money from
advertisement links in CPAlead and using them in the word
press website

The objective of this project is to investigate the usefulness of
the power system simulator PowerWorld program developed
by Glover, Overbye &Sarma. The results obtained from the
power simulator program were presented for different case
studies.

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