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The General Theory of Employment, Interest and Money The Republic of India The Development of Its Laws and Constitution Build Your Own IoT Platform Develop a Fully Flexible and Scalable Internet of Things Platform in 24 Hours Apress Discover how every solution that is in some way related to the IoT needs a platform and how to create that platform. This book is about being agile and reducing your time to market without breaking the bank. It is about designing something that you can scale incrementally without a lot of rework and potentially disrupting the current work. So, the key questions are: What does it take? How long does it take? And, how much does it take to build your own IoT platform? This book answers these questions and provides you with a step-by-step guidance on how to build your own IoT platform. In this book, the author bursts the bubble and highlights how the core of an IoT platform looks like. There are always some must-haves and some nice-to-haves. This book will distinguish the two and focus on how to build the must-haves. Building your IoT platform is not only the biggest cost saver but can also be a satisfying learning experience. In this edition, we will undertake a sample project to further clarify the concepts we learn; additional chapters would show you the hardware interface. What You Will Learn: · Learn how to architect an interconnected system. · Learn how to develop flexible architecture. · Learn to prioritize system requirements with a bottom-up approach. · Be able to create a redundant communications platform. · Be able to create an end-to-end application using the guidelines in this book. Who Is This Book For IoT developers with basic-to-intermediate programming skills would benefit from this book. International Encyclopedia of Unified Science Natural Liberty Rediscovering Self-induced Abortion Methods Natural Liberty At head of title: Sage-Femme Collective. Computer Networks and Information Technologies Second International Conference on Advances in Communication, Network, and Computing, CNC 2011, Bangalore, India, March 10-11, 2011. Proceedings Springer This book constitutes the refereed proceedings of the Second International Conference on Advances in Communication, Network, and Computing, CNC 2011, held in Bangalore, India, in March 2011. The 41 revised full papers, presented together with 50 short papers and 39 poster papers, were carefully reviewed and selected for inclusion in the book. The papers feature current research in the field of Information Technology, Networks, Computational Engineering, Computer and Telecommunication Technology, ranging from theoretical and methodological issues to advanced applications. Data Science and Analytics 5th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2019, Gurugram, India, November 15-16, 2019, Revised Selected Papers, Part II Springer This two-volume set (CCIS 1229 and CCIS 1230) constitutes the refereed proceedings of the 5th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2019, held in Gurugram, India, in November 2019. The 74 revised full papers presented were carefully reviewed and selected from total 353 submissions. The papers are organized in topical sections on data centric programming; next generation computing; social and web analytics; security in data science analytics; big data analytics. Access to Knowledge for Consumers: Reports of Campaigns and Research 2008-2010 Consumers International Yogurt in Health and Disease Prevention Academic Press Yogurt in Health and Disease Prevention examines the mechanisms by which yogurt, an important source of micro- and macronutrients, impacts human nutrition, overall health, and disease. Topics covered include yogurt consumption's impact on overall diet quality, allergic disorders, gastrointestinal tract health, bone health, metabolic syndrome, diabetes, obesity, weight control, metabolism, age-related disorders, and cardiovascular health. Modifications to yogurt are also covered in scientific detail, including altering the protein to carbohydrate ratios, adding n-3 fatty acids, phytochemical enhancements, adding whole grains, and supplementing with various micronutrients. Prebiotic, probiotic, and synbiotic yogurt component are also covered to give the reader a comprehensive understanding of the various impacts yogurt and related products can have on human health. Health coverage encompasses nutrition, gastroenterology, endocrinology, immunology, and cardiology Examines novel and unusual yogurts as well as popular and common varieties Covers effects on diet, obesity, and weight control Outlines common additives to yogurts and their respective effects Reviews prebiotics, probiotics, and symbiotic yogurts Includes practical information on how yogurt may be modified to improve its nutritive value Indianapolis A City of Immigrants Indiana Historical Society The booklet opens with the Delaware Indians prior to 1818. White Americans quickly replaced the natives. Germanic people arrived during the mid-nineteenth century. African American indentured servants and free blacks migrated to Indianapolis. After the Civil War, southern blacks poured into the city. Fleeing war and political unrest, thousands of eastern and southern Europeans came to Indianapolis. Anti-immigration laws slowed immigration until World War II. Afterward, the city

welcomed students and professionals from Asia and the Middle East and refugees from war-torn countries such as Vietnam and poor countries such as Mexico. Today, immigrants make Indianapolis more diverse and culturally rich than ever before. Detection of Intrusions and Malware, and Vulnerability Assessment 16th International Conference, DIMVA 2019, Gothenburg, Sweden, June 19-20, 2019, Proceedings Springer This book constitutes the proceedings of the 16th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, DIMVA 2019, held in Gothenburg, Sweden, in June 2019. The 23 full papers presented in this volume were carefully reviewed and selected from 80 submissions. The contributions were organized in topical sections named: wild wild web; cyber-physical systems; malware; software security and binary analysis; network security; and attack mitigation. Handbook of Sepsis Springer This practically oriented book provides an up-to-date overview of all significant aspects of the pathogenesis of sepsis and its management, including within the intensive care unit. Readers will find information on the involvement of the coagulation and endocrine systems during sepsis and on the use of biomarkers to diagnose sepsis and allow early intervention. International clinical practice guidelines for the management of sepsis are presented, and individual chapters focus on aspects such as fluid resuscitation, vasopressor therapy, response to multiorgan failure, antimicrobial therapy, and adjunctive immunotherapy. The closing section looks forward to the coming decade, discussing novel trial designs, sepsis in low- and middle-income countries, and emerging management approaches. The book is international in scope, with contributions from leading experts worldwide. It will be of value to residents and professionals/practitioners in the fields of infectious diseases and internal medicine, as well as to GPs and medical students. World Development Report 2016 Digital Dividends World Bank Publications Digital technologies are spreading rapidly, but digital dividends--the broader benefits of faster growth, more jobs, and better services--are not. If more than 40 percent of adults in East Africa pay their utility bills using a mobile phone, why can't others around the world do the same? If 8 million entrepreneurs in China--one third of them women--can use an e-commerce platform to export goods to 120 countries, why can't entrepreneurs elsewhere achieve the same global reach? And if India can provide unique digital identification to 1 billion people in five years, and thereby reduce corruption by billions of dollars, why can't other countries replicate its success? Indeed, what's holding back countries from realizing the profound and transformational effects that digital technologies are supposed to deliver? Two main reasons. First, nearly 60 percent of the world's population are still offline and can't participate in the digital economy in any meaningful way. Second, and more important, the benefits of digital technologies can be offset by growing risks. Startups can disrupt incumbents, but not when vested interests and regulatory uncertainty obstruct competition and the entry of new firms. Employment opportunities may be greater, but not when the labor market is polarized. The internet can be a platform for universal empowerment, but not when it becomes a tool for state control and elite capture. The World Development Report 2016 shows that while the digital revolution has forged ahead, its 'analog complements'--the regulations that promote entry and competition, the skills that enable workers to access and then leverage the new economy, and the institutions that are accountable to citizens--have not kept pace. And when these analog complements to digital investments are absent, the development impact can be disappointing. What, then, should countries do? They should formulate digital development strategies that are much broader than current information and communication technology (ICT) strategies. They should create a policy and institutional environment for technology that fosters the greatest benefits. In short, they need to build a strong analog foundation to deliver digital dividends to everyone, everywhere. Electrical Notes Electrical Articles & Notes Jignesh Parmar =3 No's of Volume, Total 725 Pages (more than 138 Topics) in PDF format with watermark on each Page. =soft copy in PDF will be delivered. Part-1 :Electrical Quick Data Reference: Part-2 :Electrical Calculation Part-3 :Electrical Notes: Part-1 :Electrical Quick Data Reference: 1 Measuring Units 7 2 Electrical Equation 8 3 Electrical Thumb Rules 10 4 Electrical Cable & Overhead Line Bare Conductor Current Rating 12 Electrical Quick Reference 5 Electrical Quick Reference for Electrical Costing per square Meter 21 6 Electrical Quick Reference for MCB / RCCB 25 7 Electrical Quick Reference for Electrical System 31 8 Electrical Quick Reference for D.G set 40 9 Electrical Quick Reference for HVAC 46 10 Electrical Quick Reference for Ventilation / Ceiling Fan 51 11 Electrical Quick Reference for Earthing Conductor / Wire / Strip 58 12 Electrical Quick Reference for Transformer 67 13 Electrical Quick Reference for Current Transformer 73 14 Electrical Quick Reference for Capacitor 75 15 Electrical Quick Reference for Cable Gland 78 16 Electrical Quick Reference for Demand Factor-Diversity Factor 80 17 Electrical Quick Reference for Lighting Density (W/m²) 87 18 Electrical Quick Reference for illuminance Lux Level 95 19 Electrical Quick Reference for Road Lighting 126 20 Electrical Quick Reference for Various illuminations Parameters 135 21 Electrical Quick Reference for IP Standard 152 22 Electrical Quick Reference for Motor 153 23 Electrical Quick Reference O/L Relay , Contactor for Starter 155 24 Electrical Quick Reference for Motor Terminal Connections 166 25 Electrical Quick Reference for Insulation Resistance (IR) Values 168 26 Electrical Quick Reference for Relay Code 179 27 Standard Makes & IS code for Electrical Equipment's 186 28 Quick Reference for Fire Fighting 190 29 Electrical Quick Reference Electrical Lamp and Holder 201 Electrical Safety Clearance 30 Electrical Safety Clearances-Qatar General Electricity 210 31 Electrical Safety Clearances-Indian Electricity Rules 212 32 Electrical Safety Clearances-Northern Ireland Electricity (NIE) 216 33 Electrical Safety Clearances-ETSA Utilities / British Standard 219 34 Electrical Safety Clearances-UK Power Networks 220 35 Electrical Safety Clearances-New Zealand Electrical Code (NZECP) 221 36 Electrical Safety Clearances-Western Power Company 223 37 Electrical Safety Clearance for Electrical Panel 224 38 Electrical Safety Clearance for Transformer. 226 39 Electrical Safety Clearance for Sub Station Equipment's 228 40 Typical Values of Sub Station Electrical Equipment's. 233 41 Minimum Acceptable Specification of CT for Metering 237 Abstract of Electrical Standard 42 Abstract of CPWD In Internal Electrification Work 239 43 Abstract of IE Rules for DP Structure 244 44 Abstract of IS: 3043 Code for Earthing Practice 246 45 Abstract of IS:5039 for Distribution Pillars (<1KV AC & DC) 248 46 Abstract IS: 694 / IS:1554 / IS: 11892 for Cable 249 47 Abstract IS:15652 for Insulating Mat / IS: 11171 for Transformer 251 48 Abstract IS: 1678 / IS:1445 252 49 Abstract IS: 1255 for Cable Rote & Laying Method of Cable 253 50 Abstract IS: 5613 for HV Line 255 51

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of Street Light Pole 299 15 Calculate No of Lighting Fixtures / Lumens for Indoor Lighting 301 16 Calculate Street Light Pole Distance &Watt Area 302 17 Calculate Short Circuit Current (Isc) 303 18 Calculate Size of Bus bar for Panel 307 19 Calculate Size of Cable Tray 312 20 Calculate Size of Diesel Generator Set 314 21 Calculate Size of Main ELCB & Branch MCB of Distribution Box 317 22 Calculate Size of Solar Panels 322 23 Calculate Size of Inverter & Battery Bank 324 24 Calculate Cable Trunking Size 328 25 Calculate Size of Conduit for Cables / Wires 329 26 Calculate Cable Voltage Drop for Street Light Pole 330 27 Calculate Lighting Protection for Building / Structure 333 28 Calculation Size of Pole Foundation & Wind Pressure on Pole 336 29 Calculation of Flood Light, Facade Light,Street Light and Signage Light 338 30 Calculate Size of Neutral Earthing Transformer (NET) 345 31 Calculate Transformer Regulation & Losses (As per Name Plate) 347 32 Calculation of Crippling (Ultimate Transverse) Load on Electrical Pole 349 33 Calculate Size of Circuit Breaker Fuse for Transformer (As per NEC) 351 34 Calculate Size of Ventilation Fan 353 35 Calculate Motor-Pump Size 354 36 Calculate Lighting Fixture's Beam Angle and Lumen 356 Part-3 : Electrical Notes: Motor & Starter 1 Direct On Line Starter 359 2 Star-Delta Starter 364 3 Motor Number Plate Terminology 370 Transformer 4 Three Phase Transformer Connection 372 5 Vector Group of Transformer 388 6 Difference between Power Transformer & Distribution Transformer 401 7 Parallel Operation of Transformers 402 8 Various Routine Test of Transformer 409 9 Standard Transformer Accessories & Fittings 423 10 Basic of Current transformers 437 Lighting Luminars 11 Selection of Lighting Luminaries 453 12 Different Type of Lamps and Control Gear 467 13 What should you know before buying LED Bulbs 481 14 Type of Lighting Bulb Base & Socket 490 15 Type of Lighting Bulb Shape & Size 497 16 What is Fixture's Beam Angle & Beam Diameter 521 17 Difference between High Bay and Low Bay Flood Light 526 18 Various Factor for illumination Calculation 532 19 How to design efficient Street Light 539 Cables 20 Cable Construction & Cable Selection 566 21 Difference between Unearthed & Earthed Cables 575 22 Low Voltage and High Voltage Cable Testing 577 23 EHV/HV Cable Sheath Earthing 580 24 HIPOT Testing 588 25 Type of Cable Tray 591 26 Type of Cable Glands 595 27 Cable Tray Size as per National Electrical Code-2002, Article 392 599 Earthings 28 What is Earthing 601 29 Difference between Bonding, Grounding and Earthing 606 MCB / MCCB / Fuse / Relay 30 Working Principle of ELCB / RCCB 609 31 Difference between MCB-MCCB-ELCB-RCBO-RCCB 613 32 What is Correct Method of MCB Connections 616 33 Type of MCB & Distribution Board 620 34 Type and Specification of Fuse 624 35 How to Select MCB / MCCB 637 36 Tripping Mechanism of MCCB 645 37 Setting of over Load, Short circuit & Ground Fault Protection of MCCB 650 38 Types and Revolution of Electrical Relay 656 Electrical Questions & Answers 39 Electrical Questions & Answers 674 Power Distributions & Transmissions 40 Type of Electrical Power Distribution System 697 41 Impact of Floating Neutral in Power Distribution 703 42 Total Losses in Power Distribution & Transmission Lines 708 43 Single Earthed Neutral and Multi Earthed Neutral 714 44 Types of Neutral Earthing in Power Distribution 717 45 Effects of unbalanced Electrical Load 726 46 Vibration Damper in Transmission Line 732 47 What is Ferranti Effect 735 48 What is Corona Effect 737 49 Harmonics and its Effects 745 50 What is Demand Factor-Diversity Factor-Utilization Factor-Load Factor 755 51 Guideline of Design Electrical Network for Building / Small Area. 764 52 Type-Size- Location of Capacitor in Electrical System 766 53 Types of Overhead Conductors 775 54 What is Power Factor 783 55 11KV/415V over Head Line's Specification as per REC 790 56 Analysis the Truth behind Household Power Savers 803 57 How Reactive Power helpful to maintain a System Healthy 806 58 Effects of High Voltage Transmission Lines on Humans and Plants 813 59 How to save Electrical energy at Home 819 Others 60 Type of Lighting Arrestor 822 61 Selection of Surge Protective Device (SPD) 831 62 Selection of Various Types of Inverter 842 63 Selection of Various Types of UPS 852 64 Method of Earth Resistance Testing 860 Healthcare Information Management Systems Cases, Strategies, and Solutions Springer Science & Business Media Aimed at health care professionals, this book looks beyond traditional information systems and shows how hospitals and other health care providers can attain a competitive edge. Speaking practitioner to practitioner, the authors explain how they use information technology to manage their health care institutions and to support the delivery of clinical care. This second edition incorporates the far-reaching advances of the last few years, which have moved the field of health informatics from the realm of theory into that of practice. Major new themes, such as a national information infrastructure and community networks, guidelines for case management, and community education and resource centres are added, while such topics as clinical and blood banking have been thoroughly updated. Greasemonkey Hacks Tips & Tools for Remixing the Web with Firefox "O'Reilly Media, Inc." Greasemonkey Hacks is an invaluable compendium 100 ingenious hacks for power users who want to master Greasemonkey, the hot new Firefox extension that allows you to write scripts that alter the web pages you visit. With Greasemonkey, you can create scripts that make a web site more usable, fix rendering bugs that site owners can't be bothered to fix themselves, or add items to a web site's menu bar. You can alter pages so they work better with technologies that speak a web page out loud or convert it to Braille. Greasemonkey gurus can even import, combine, and alter data from different web sites to meet their own specific needs. Greasemonkey has achieved a cult-like following in its short lifespan, but its uses are just beginning to be explored. Let's say you're shopping on an e-commerce site. You can create a script that will automatically display competitive prices for that particular product from other web sites. The possibilities are limited only by your imagination and your Greasemonkey expertise. Greasemonkey Hacks can't help

you with the imagination part, but it can provide the expert hacks-complete with the sample code-you need to turn your brainstorm into reality. More than just an essential collection of made-to-order Greasemonkey solutions, Greasemonkey Hacks is crammed with sample code, a Greasemonkey API reference, and a comprehensive list of resources, to ensure that every resource you need is available between its covers. Some people are content to receive information from websites passively; some people want to control it. If you are one of the latter, Greasemonkey Hacks provides all the clever customizations and cutting-edge tips and tools you need to take command of any web page you view.

Mountain agriculture: Opportunities for harnessing Zero Hunger in Asia Food & Agriculture Org. Mountain food security and nutrition are core issues that can contribute positively to the achievement of the Sustainable Development Goals but paradoxically are often ignored in Zero Hunger and poverty reduction-related agenda. Under the overall leadership of José Graziano da Silva, the Former Director-General of FAO, sustainable mountain agriculture development is set as a priority in Asia and the Pacific, to effectively address this issue and assist Member Countries in tackling food insecurity and malnutrition in mountain regions. This comprehensive publication is the first of its kind that focuses on the multidimensional status, challenges, opportunities and solutions of sustainable mountain agriculture development for Zero Hunger in Asia. This publication is building on the 'International Workshop and Regional Expert Consultation on Mountain Agriculture Development and Food Security and Nutrition Governance', held by FAO RAP and UIR in November 2018 Beijing, in collaboration with partners from national governments, national agriculture institutes, universities, international organizations and international research institutes. The publication provides analysis with evidence on how mountain agriculture could contribute to satisfying all four dimensions of food security, to transform food systems to be nutrition-sensitive, climate-resilient, economically-viable and locally adaptable. From this food system perspective, the priority should be given to focus on specialty mountain product identification (e.g. Future Smart Food), production, processing, marketing and consumption, which would effectively expose the potential of mountain agriculture to contribute to Zero Hunger and poverty reduction. In addition, eight Asian country case studies not only identify context-specific challenges within biophysical-technical, policy, socio-economic and institutional dimensions.

What Do Science, Technology, and Innovation Mean from Africa? MIT Press Explorations of science, technology, and innovation in Africa not as the product of "technology transfer" from elsewhere but as the working of African knowledge. In the STI literature, Africa has often been regarded as a recipient of science, technology, and innovation rather than a maker of them. In this book, scholars from a range of disciplines show that STI in Africa is not merely the product of "technology transfer" from elsewhere but the working of African knowledge. Their contributions focus on African ways of looking, meaning-making, and creating. The chapter authors see Africans as intellectual agents whose perspectives constitute authoritative knowledge and whose strategic deployment of both endogenous and inbound things represents an African-centered notion of STI. "Things do not (always) mean the same from everywhere," observes Clapperton Chakanetsa Mavhunga, the volume's editor. Western, colonialist definitions of STI are not universalizable. The contributors discuss topics that include the trivialization of indigenous knowledge under colonialism; the creative labor of chimurenga, the transformation of everyday surroundings into military infrastructure; the role of enslaved Africans in America as innovators and synthesizers; the African ethos of "fixing"; the constitutive appropriation that makes mobile technologies African; and an African innovation strategy that builds on domestic capacities. The contributions describe an Africa that is creative, technological, and scientific, showing that African STI is the latest iteration of a long process of accumulative, multicultural knowledge production. Contributors Geri Augusto, Shadreck Chirikure, Chux Daniels, Ron Eglash, Ellen Foster, Garrick E. Louis, D. A. Masolo, Clapperton Chakanetsa Mavhunga, Neda Nazemi, Toluwalogo Odumosu, Katrien Pype, Scott Remer

Kali Linux Revealed Mastering the Penetration Testing Distribution Whether you're a veteran or an absolute n00b, this is the best place to start with Kali Linux, the security professional's platform of choice, and a truly industrial-grade, and world-class operating system distribution-mature, secure, and enterprise-ready.

Advances in Signal Processing and Intelligent Recognition Systems 6th International Symposium, SIRS 2020, Chennai, India, October 14-17, 2020, Revised Selected Papers Springer Nature This book constitutes the refereed proceedings of the 6th International Symposium on Advances in Signal Processing and Intelligent Recognition Systems, SIRS 2020, held in Chennai, India, in October 2020. Due to the COVID-19 pandemic the conference was held online. The 22 revised full papers and 5 revised short papers presented were carefully reviewed and selected from 50 submissions. The papers cover wide research fields including information retrieval, human-computer interaction (HCI), information extraction, speech recognition.

Advances in Mobile Commerce Technologies IGI Global There is substantial interest in research in developing countries, especially in the use, implementation and development of information technology and systems. Many researchers have been moving toward an understanding of indigenous social and cultural structures and how they influence the use and development of information systems.

E-Commerce and Cultural Values addresses these issues and brings together scholars to share their expertise on different aspects of the social side of e-Commerce and information systems and how they impact the cultural values of a society.

A Kannada-English Dictionary 13th International Conference on Computational Intelligence in Security for Information Systems (CISIS 2020) Springer Nature This book contains accepted papers presented at CISIS 2020 held in the beautiful and historic city of Burgos (Spain), in September 2020. The aim of the CISIS 2020 conference is to offer a meeting opportunity for academic and industry-related researchers belonging to the various, vast communities of computational intelligence, information security, and data mining. The need for intelligent, flexible behaviour by large, complex systems, especially in mission-critical domains, is intended to be the catalyst and the aggregation stimulus for the overall event. After a thorough peer-review process, the CISIS 2020 International Program Committee selected 43 papers which are published in these conference proceedings achieving an acceptance rate of 28%. Due to the COVID-19 outbreak, the CISIS 2020 edition was blended, combining on-site and on-line participation. In this relevant edition, a special emphasis was put on the organization of five special sessions related to relevant topics as Fake News Detection and Prevention, Mathematical

Methods and Models in Cybersecurity, Measurements for a Dynamic Cyber-Risk Assessment, Cybersecurity in a Hybrid Quantum World, Anomaly/Intrusion Detection, and From the least to the least: cryptographic and data analytics solutions to fulfil least minimum privilege and endorse least minimum effort in information systems. The selection of papers was extremely rigorous in order to maintain the high quality of the conference and we would like to thank the members of the Program Committees for their hard work in the reviewing process. This is a crucial process to the creation of a high standard conference, and the CISIS conference would not exist without their help. Making Home(s) in Displacement Critical Reflections on a Spatial Practice Leuven University Press Making Home(s) in Displacement critically rethinks the relationship between home and displacement from a spatial, material, and architectural perspective. Recent scholarship in the social sciences has investigated how migrants and refugees create and reproduce home under new conditions, thereby unpacking the seemingly contradictory positions of making a home and overcoming its loss. Yet, making home(s) in displacement is also a spatial practice, one which intrinsically relates to the fabrication of the built environment worldwide. Conceptually the book is divided along four spatial sites, referred to as camp, shelter, city, and house, which are approached with a multitude of perspectives ranging from urban planning and architecture to anthropology, geography, philosophy, gender studies, and urban history, all with a common focus on space and spatiality. By articulating everyday homemaking experiences of migrants and refugees as spatial practices in a variety of geopolitical and historical contexts, this edited volume adds a novel perspective to the existing interdisciplinary scholarship at the intersection of home and displacement. It equally intends to broaden the canon of architectural histories and theories by including migrants' and refugees' spatial agencies and place-making practices to its annals. By highlighting the political in the spatial, and vice versa, this volume sets out to decentralise and decolonise current definitions of home and displacement, striving for a more pluralistic outlook on the idea of home. Electrochemical Technologies for Energy Storage and Conversion John Wiley & Sons In this handbook and ready reference, editors and authors from academia and industry share their in-depth knowledge of known and novel materials, devices and technologies with the reader. The result is a comprehensive overview of electrochemical energy and conversion methods, including batteries, fuel cells, supercapacitors, hydrogen generation and storage as well as solar energy conversion. Each chapter addresses electrochemical processes, materials, components, degradation mechanisms, device assembly and manufacturing, while also discussing the challenges and perspectives for each energy storage device in question. In addition, two introductory chapters acquaint readers with the fundamentals of energy storage and conversion, and with the general engineering aspects of electrochemical devices. With its uniformly structured, self-contained chapters, this is ideal reading for entrants to the field as well as experienced researchers. Voices of the Wild Animal Songs, Human Din, and the Call to Save Natural Soundscapes Yale University Press Since 1968, Bernie Krause has traveled the world recording the sounds of remote landscapes, endangered habitats, and rare animal species. Through his organization, Wild Sanctuary, he has collected the soundscapes of more than 2,000 different habitat types, marine and terrestrial. With powerful illustrations and compelling stories, Krause provides a manifesto for the appreciation and protection of natural soundscapes. In his previous book, The Great Animal Orchestra, Krause drew readers' attention to what Jane Goodall described as "the harmonies of nature . . . [that are being] one by one by one, snuffed out by human actions." He now explains that the secrets hidden in the natural world's shrinking sonic environment must be preserved, not only for our scientific understanding, but for our cultural heritage and humanity's physical and spiritual welfare. Krause's narrative—supplemented by exclusive access to field recordings from the wild—draws on a compelling range of personal anecdotes, histories, and examples to document his early exploration of this field and to lay the groundwork for future generations. Working With a Rising India A Joint Venture for the New Century Council on Foreign Relations Press India now matters to U.S. interests in virtually every dimension. This CFR-sponsored Independent Task Force report, directed by Alyssa Ayres, assesses the current situation in India and the U.S.-India relationship, and suggests a new model for partnership with a rising India. Orientalism Western Conceptions of the Orient Penguin UK 'A stimulating, elegant yet pugnacious essay'—Observer In this highly acclaimed seminal work, Edward Said surveys the history and nature of Western attitudes towards the East, considering Orientalism as a powerful European ideological creation—a way for writers, philosophers and colonial administrators to deal with the 'otherness' of Eastern culture, customs and beliefs. He traces this view through the writings of Homer, Nerval and Flaubert, Disraeli and Kipling, whose imaginative depictions have greatly contributed to the West's romantic and exotic picture of the Orient. In the Afterword, Said examines the effect of continuing Western imperialism. The Soils of India Springer Nature This book provides an overview of the diversified soil regimes in India. In addition to the historical advances in soil research and its limitations, it describes the monitoring of various soil conditions and soil uses to improve productivity. Discussing topics such as climate, geology and geomorphology, major soil types and their classification, soil mineralogy and clays, soil micromorphology, soil biogeochemistry, benchmark soils, land evaluation and land use planning, soil health and fertility and soil resilience, the book highlights the multiple uses of soils in industry, human health care, mitigation of challenges due to climate change and construction. It also presents measures for a brighter future of soil science in India, such as imposing organic farming principles toward sustainable agriculture in the context of the second green revolution besides alleviating the poverty and providing the employment opportunities among the farming communities in India. Therapeutic and Nutritional Uses of Algae CRC Press Algae have been used since ancient times as food, fodder, fertilizer and as source of medicine. Nowadays seaweeds represent an unlimited source of the raw materials used in pharmaceutical, food industries, medicine and cosmetics. They are nutritionally valuable as fresh or dried vegetables, or as ingredients in a wide variety of prepared foods. In particular, seaweeds contain significant quantities of protein, lipids, minerals and vitamins. There is limited information about the role of algae and algal metabolites in medicine. Only a few taxa have been studied for their use in medicine. Many traditional cultures report curative powers from selected alga, in particular tropical and subtropical marine forms. This is especially true in the maritime areas of Asia, where the sea

plays a significant role in daily activities. Nonetheless, at present, only a few genera and species of algae are involved in aspects of medicine and therapy. Beneficial uses of algae or algal products include those that may mimic specific manifestations of human diseases, production of antibiotic compounds, or improvement of human nutrition in obstetrics, dental research, thallassotherapy, and forensic medicine.

The WEB of Transport Corridors in South Asia World Bank Publications The WEB of Transport Corridors in South Asia develops a holistic appraisal methodology to ensure that economic benefits of investments in transport corridors are amplified and more widely spread, and possible negative impacts such as congestion, environmental degradation, and other unintended consequences are minimized. It focuses on South Asia—not only as one of the world’s most populous and poorest regions—but as a hinge between East Asia, Central Asia, the Middle East, and Europe. The book is aimed at politicians, technocrats, civil society organizations, and businesses. It presents case studies of past and recent corridor initiatives, provides rigorous analysis of the literature on the spatial impact of corridors, and offers assessments of corridor investment projects supported by international development organizations. A series of spotlights examines such issues as private sector co-investment; the impacts of corridors on small enterprises and women; and issues with implementing cross-border corridors. The 'WEB' in the title stands for both the wider economic benefits (WEB) that transport corridors are expected to generate and the complex web of transport corridors that has been proposed. The appraisal methodology introduced in this book shows how the web of interconnected elements around corridors can be disentangled and the most promising corridor proposals—the ones with the greatest wider economic benefits—can be selected.

Image Processing Principles and Applications John Wiley & Sons Image processing—from basics to advanced applications Learn how to master image processing and compression with this outstanding state-of-the-art reference. From fundamentals to sophisticated applications, *Image Processing: Principles and Applications* covers multiple topics and provides a fresh perspective on future directions and innovations in the field, including:

- * Image transformation techniques, including wavelet transformation and developments
- * Image enhancement and restoration, including noise modeling and filtering
- * Segmentation schemes, and classification and recognition of objects
- * Texture and shape analysis techniques
- * Fuzzy set theoretical approaches in image processing, neural networks, etc.
- * Content-based image retrieval and image mining
- * Biomedical image analysis and interpretation, including biometrical algorithms such as face recognition and signature verification
- * Remotely sensed images and their applications
- * Principles and applications of dynamic scene analysis and moving object detection and tracking
- * Fundamentals of image compression, including the JPEG standard and the new JPEG2000 standard

Additional features include problems and solutions with each chapter to help you apply the theory and techniques, as well as bibliographies for researching specialized topics. With its extensive use of examples and illustrative figures, this is a superior title for students and practitioners in computer science, wireless and multimedia communications, and engineering.

Understanding Muhammad and Muslims Freedom Bulwark Peace cannot be attained as long as there are ideologies that promote hate. People don't naturally do evil. They do evil when indoctrinated. Good people do evil things when they perceive injustice. Often their perception is imaginary. Masses of people can be manipulated to believe that they are victimized. They then become filled with hate, seek revenge and commit atrocities while considering them-selves righteous and justifying every cruelty. Islam is one such a doctrine. Why are there no freedom of speech and no true democracy in any Islamic country? Why do they abuse and treat their women as objects? Why do all Muslim countries have dismal Human Rights record? Why they riot and murder innocent people over the silliest things? What drives so many of them to terrorism? Why they are constantly at war with everyone, and with each other? To understand Muslims, we must understand their prophet. Islam is Muhammadism. His biographers reported Muhammad used to withdraw to a cave and spend days wrapped in his thoughts. He felt spasms, heard bells ringing and saw ghosts. He thought he had become demon possessed, but his wife reassured him he had become a prophet. Convinced of his superior status, Muhammad was intolerant of those who rejected him, assassinated those who criticized him, raided, looted, and massacred entire populations. He reduced thousands to slavery. He raped, and allowed his men to rape their female captives. All of this, he did with a clear conscience and a sense of entitlement. He was magnanimous to those who admired him, but vengeful towards his detractors. He believed he was the most perfect human creation and that the universe was created because of him.

Understanding Muhammad ventures beyond the stories. It unravels the mystique of the most influential, and yet the most enigmatic man in history. Muslims emulate their prophet. Only by understanding him can we know what makes them tick, and predict these most unpredictable people.

Power System Protection and Switchgear New Age International The Brussels Effect How the European Union Rules the World Oxford University Press, USA The Brussels Effect offers a novel account of the EU by challenging the view that it is a declining world power. Anu Bradford explains how the EU exerts global influence through its ability to unilaterally regulate the global marketplace without the need to engage in neither international cooperation nor coercion.

Android Forensics Investigation, Analysis and Mobile Security for Google Android Elsevier The open source nature of the platform has not only established a new direction for the industry, but enables a developer or forensic analyst to understand the device at the most fundamental level. *Android Forensics* covers an open source mobile device platform based on the Linux 2.6 kernel and managed by the Open Handset Alliance. The Android platform is a major source of digital forensic investigation and analysis. This book provides a thorough review of the Android platform including supported hardware devices, the structure of the Android development project and implementation of core services (wireless communication, data storage and other low-level functions). Finally, it will focus on teaching readers how to apply actual forensic techniques to recover data. Ability to forensically acquire Android devices using the techniques outlined in the book

Detailed information about Android applications needed for forensics investigations

Important information about SQLite, a file based structured data storage relevant for both Android and many other platforms.

Algae Based Polymers, Blends, and Composites Chemistry, Biotechnology and Materials Science Elsevier *Algae Based Polymers, Blends, and Composites: Chemistry, Biotechnology and Material Sciences* offers considerable detail on the origin of algae, extraction of useful metabolites

and major compounds from algal bio-mass, and the production and future prospects of sustainable polymers derived from algae, blends of algae, and algae based composites. Characterization methods and processing techniques for algae-based polymers and composites are discussed in detail, enabling researchers to apply the latest techniques to their own work. The conversion of bio-mass into high value chemicals, energy, and materials has ample financial and ecological importance, particularly in the era of declining petroleum reserves and global warming. Algae are an important source of biomass since they flourish rapidly and can be cultivated almost everywhere. At present the majority of naturally produced algal biomass is an unused resource and normally is left to decompose. Similarly, the use of this enormous underexploited biomass is mainly limited to food consumption and as bio-fertilizer. However, there is an opportunity here for materials scientists to explore its potential as a feedstock for the production of sustainable materials. Provides detailed information on the extraction of useful compounds from algal biomass Highlights the development of a range of polymers, blends, and composites Includes coverage of characterization and processing techniques, enabling research scientists and engineers to apply the information to their own research and development Discusses potential applications and future prospects of algae-based biopolymers, giving the latest insight into the future of these sustainable materials

Linux Basics for Hackers Getting Started with Networking, Scripting, and Security in Kali No Starch Press This practical, tutorial-style book uses the Kali Linux distribution to teach Linux basics with a focus on how hackers would use them. Topics include Linux command line basics, filesystems, networking, BASH basics, package management, logging, and the Linux kernel and drivers. If you're getting started along the exciting path of hacking, cybersecurity, and pentesting, Linux Basics for Hackers is an excellent first step. Using Kali Linux, an advanced penetration testing distribution of Linux, you'll learn the basics of using the Linux operating system and acquire the tools and techniques you'll need to take control of a Linux environment. First, you'll learn how to install Kali on a virtual machine and get an introduction to basic Linux concepts. Next, you'll tackle broader Linux topics like manipulating text, controlling file and directory permissions, and managing user environment variables. You'll then focus in on foundational hacking concepts like security and anonymity and learn scripting skills with bash and Python. Practical tutorials and exercises throughout will reinforce and test your skills as you learn how to:

- Cover your tracks by changing your network information and manipulating the rsyslog logging utility
- Write a tool to scan for network connections, and connect and listen to wireless networks
- Keep your internet activity stealthy using Tor, proxy servers, VPNs, and encrypted email
- Write a bash script to scan open ports for potential targets
- Use and abuse services like MySQL, Apache web server, and OpenSSH
- Build your own hacking tools, such as a remote video spy camera and a password cracker

Hacking is complex, and there is no single way in. Why not start at the beginning with Linux Basics for Hackers? A Concise Introduction to Logic Cengage Learning Tens of thousands of students have learned to be more discerning at constructing and evaluating arguments with the help of Patrick J. Hurley. Hurley's lucid, friendly, yet thorough presentation has made A CONCISE INTRODUCTION TO LOGIC the most widely used logic text in North America. In addition, the book's accompanying technological resources, such as CengageNOW and Learning Logic, include interactive exercises as well as video and audio clips to reinforce what you read in the book and hear in class. In short, you'll have all the assistance you need to become a more logical thinker and communicator. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Meghnad Saha His Life in Science and Politics Springer This biography is a short yet comprehensive overview of the life of Meghnad Saha, the mastermind behind the frequently used Saha equations and a strong contributor to the foundation of science in India. The author explores the lesser known details behind the man who played a major role in building scientific institutions in India, developed the breakthrough theory of thermal ionization, and whose fervor about India's rapid progress in science and technology, along with concern for uplifting his countrymen and optimizing resources, led him to eventually enter politics and identify the mismanagement of many programs of national importance to Parliament. This book is free of most academic technicalities, so that the reader with general scientific knowledge can read and understand it easily. One interested only in Saha's contribution to physics can pick up just that part and read it. Conversely, the average reader may skip the technical chapters, and read the book without loss of continuity or generality to still get a coherent picture. This work touches on all aspects of Saha's multidimensional personality, which overflows in the pages of his periodical, Science and Culture, as well as his many speeches, debates and discussions in Parliament, all of which is appropriately conveyed in this book.