

Cloud Based Lms For E Learning

Higher Education is a global industry, driving a new technological, industrial revolution. However, it is important to remember education is still about teachers helping students learn. This work is a collection of short essays exploring how to use digital technology to provide a form of teaching which will meet social and economic goals, and make use of technology, while still having a place for the academic as a teacher. This book charts one future for Higher Education, including instructional design, planning and management, catering for international students, using Open Education Resources and Mobile Learning. Case studies presenting the design of e-learning courses in ICT Sustainability and innovation are provided, along with educational theory and extensive references.

The evolution of information technologies, mobile devices, and social media as well as the needs of students, workers, and academics have experienced rapid changes in the past several years. This complex and dynamic reality requires new forms of delivery of learning content to students, the building of special learning environments, and new teaching methodologies for academics. Opening Up Education for Inclusivity Across Digital Economies and Societies is an essential reference source that aims to foster the international exchange of academic insights and approaches in order to broaden visibility in the development of technology for education, establish an international platform for interactions on information technology and application in education, accelerate innovation in education technology, and analyze the latest achievements and progress in new and emerging information technology for education with a special focus on higher education institutions. The book addresses applications of technology use and digital competence development in education systems around the world including both specific uses in classrooms and broader uses in national and regional policies. The book is ideally designed for educators, administrators, policymakers, managers, politicians, and academicians.

Many professional fields have been affected by the rapid growth of technology and information. Included in this are the business and management markets as the implementation of e-commerce and cloud computing have caused enterprises to make considerable changes to their practices. With the swift advancement of this technology, professionals need proper research that provides solutions to the various issues that come with data integration and shifting to a technology-driven environment. Cloud Computing Applications and Techniques for E-Commerce is an essential reference source that discusses the implementation of data and cloud technology within the fields of business and information management. Featuring research on topics such as content delivery networks, virtualization, and software resources, this book is ideally designed for managers, educators, administrators, researchers, computer scientists, business practitioners, economists, information analysts, sociologists, and students seeking coverage on the recent advancements of e-commerce using cloud computing techniques.

Computer technologies are forever evolving and it is vital that computer science educators find new methods of teaching programming in order to maintain the rapid changes occurring in the field. One of the ways to increase student engagement and retention is by integrating games into the curriculum. Gamification-Based E-Learning Strategies for Computer Programming Education evaluates the different approaches and issues faced in integrating games into computer education settings. Featuring emergent trends on the application of gaming to pedagogical strategies and technological tactics, as well as new methodologies and approaches being utilized in computer programming courses, this book is an essential reference source for practitioners, researchers, computer science teachers, and students pursuing computer science.

Cloud Computing Applications and Techniques for E-Commerce

Design for Teaching and Learning in a Networked World

A Practical Guide for Librarians

E-Learning, E-Education, and Online Training

Learning Management Systems and Instructional Design

Computer Applications for Graphics, Grid Computing, and Industrial Environment

Health Informatics - E-Book

This book features a collection of high-quality, peer-reviewed research papers presented at the 7th International Conference on Innovations in Computer Science & Engineering (ICICSE 2019), held at Guru Nanak Institutions, Hyderabad, India, on 16-17 August 2019. Written by researchers from academia and industry, the book discusses a wide variety of industrial, engineering, and scientific applications of the emerging techniques in the field of computer science.

This book constitutes the proceedings of the 3rd International Conference on E-Learning, E-Education, and Online Training, eLEOT 2016, held in Dublin, Ireland, August 31 - September 2, 2016. The 25 revised full papers presented were carefully reviewed and selected from 35 submissions. They focus on topics as augmented reality learning, blended learning, learning analytics, mobile learning, virtual learning environments. th I3E 2010 marked the 10 anniversary of the IFIP Conference on e-Business, e-Services, and e-Society, continuing a tradition that was invented in 1998 during the International Conference on Trends in Electronic Commerce, TrEC 1998, in Hamburg (Germany). Three years later the inaugural I3E 2001 conference was held in Zurich (Switzerland). Since then I3E has made its journey through the world: 2002 Lisbon (Portugal), 2003 Sao Paulo (Brazil), 2004 Toulouse (France), 2005 Poznan (Poland), 2006 Turku (Finland), 2007 Wuhan (China), 2008 Tokyo (Japan), and 2009 Nancy (France). I3E 2010 took place in Buenos Aires (Argentina) November 3-5, 2010. Known as “The Pearl” of South America, Buenos Aires is a cosmopolitan, colorful, and vibrant city, surprising its visitors with a vast variety of cultural and artistic performances, European architecture, and the passion for tango, coffee places, and football disc- sions. A cultural reference in Latin America, the city hosts 140 museums, 300 theaters, and 27 public libraries including the National Library. It is also the main educational center in Argentina and home of renowned universities including the U- versity of Buenos Aires, created in 1821. Besides location, the timing of I3E 2010 is th also significant--it coincided with the 200 anniversary celebration of the first local government in Argentina.

As information systems used for research and educational purposes have become more complex, there has been an increase in the need for new computing architecture. High performance and cloud computing provide reliable and cost-effective information technology infrastructure that enhances research and educational processes. Handbook of Research on High Performance and Cloud Computing in Scientific Research and Education presents the applications of cloud computing in various settings, such as scientific research, education, e-learning, ubiquitous learning, and social computing. Providing various examples, practical solutions, and applications of high performance and cloud computing; this book is a useful reference for professionals and researchers discovering the applications of information and communication technologies in science and education, as well as scholars seeking insight on how modern technologies support scientific research.

Digital Teaching In Higher Education: Designing E-learning for International Students of Technology, Innovation and the Environment

Best Practices in Online Education

What the e-Learning Leader Needs to Know

Research Anthology on Nursing Education and Overcoming Challenges in the Workplace

Second International Conference, TECH-EDU 2020, Vila Real, Portugal, December 2-4, 2020, Proceedings

Proceedings of Seventh International Congress on Information and Communication Technology

An Interprofessional Approach

Education plays a vital role in the positive development of communities at both a local and global level. By becoming more informed, citizens can make better contributions to society. Open and Distance Learning Initiatives for Sustainable Development is a critical reference source for emerging academic perspectives on the role of higher education programs in contemporary society. Including a range of pertinent topics such as mobile learning, environmental education, and community building, this book is ideally designed for educators, researchers, students, and professionals interested in the intersection between sustainable development and education.

This book highlights cutting-edge research presented at the third installment of the International Conference on Smart City Applications (SCA2018), held in Tétouan, Morocco on October 10–11, 2018. It presents original research results, new ideas, and practical lessons learned that touch on all aspects of smart city applications. The respective papers share new and highly original results by leading experts on IoT, Big Data, and Cloud technologies, and address a broad range of key challenges in smart cities, including Smart Education and Intelligent Learning Systems, Smart Healthcare, Smart Building and Home Automation, Smart Environment and Smart Agriculture, Smart Economy and Digital Business, and Information Technologies and Computer Science, among others. In addition, various novel proposals regarding smart cities are discussed. Gathering peer-reviewed chapters written by prominent researchers from around the globe, the book offers an invaluable instructional and research tool for courses on computer and urban sciences; students and practitioners in computer science, information science, technology studies and urban management studies will find it particularly useful. Further, the book is an excellent reference guide for professionals and researchers working in mobility, education, governance, energy, the environment and computer sciences.

Together with Consulting Editor Dr. Charles Lightdale, Dr. Qiang Cai has put together a comprehensive issue devoted to gastroparesis. Expert authors have contributed clinical review articles on the following topics: Epidemiology and Pathophysiology of Gastroparesis; Non-Diabetic Gastroparesis; Clinical Manifestations and Natural History of Patients with Gastroparesis; Evaluation of Patients with Suspected Gastroparesis; Symptomatic Management of Gastroparesis; Gastric Electrical Stimulator for treatment of Gastroparesis; Surgical Treatment for Gastroparesis; Botulinum Toxin Injection for Treatment of Gastroparesis; Stent Placement for Treatment for Gastroparesis; Technical Aspects of Per Oral Endoscopic Pyloromyotomy; Gastric Emptying Scintigraphy for Evaluation of Patients with Gastroparesis before Per Oral Endoscopic Myotomy; Outcomes of Per Oral Endoscopic Pyloromyotomy in France; Outcomes of Per Oral Endoscopic Pyloromyotomy in China; Outcomes of Per Oral Endoscopic Pyloromyotomy in the United States.. Readers will come away with the information they need to improve endoscopic techniques and improve patient outcomes.

Teaching and learning paradigms have attracted increased attention especially in the last decade. Immense developments of different ICT technologies and services have paved the way for alternative but effective approaches in educational processes. Many concepts of the agent technology, such as intelligence, autonomy and cooperation, have had a direct positive impact on many of the requests imposed on modern e-learning systems and educational processes. This book presents the state-of-the-art of e-learning and tutoring systems and discusses their capabilities and benefits that stem from integrating software agents. We hope that the presented work will be of a great use to our colleagues and researchers interested in the e-learning and agent technology.

State-of-the-Art and Future Directions of Smart Learning

Third International Conference, eLEOT 2016, Dublin, Ireland, August 31 – September 2, 2016, Revised Selected Papers

10th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2010, Buenos Aires, Argentina, November 3-5, 2010, Proceedings

Gamification-Based E-Learning Strategies for Computer Programming Education

Handbook of Research on Cloud-Based STEM Education for Improved Learning Outcomes

Handbook of Research on Emerging Priorities and Trends in Distance Education: Communication, Pedagogy, and Technology

Knowledge-Intensive Economies and Opportunities for Social, Organizational, and Technological Growth

The European Conference on e-Learning was established 17 years ago. It has been held in France, Portugal, England, The Netherlands, Greece and Denmark to mention only a few of the countries who have hosted it. ECEL is generally attended by participants from more than 40 countries and attracts an interesting combination of academic scholars, practitioners and individuals who are engaged in various aspects of e-Learning. Among other journals, the Electronic Journal of e-Learning publishes a special edition of the best papers presented at this conference.

This book constitutes the thoroughly refereed post-conference proceedings of the Second International Conference on Technology and Innovation in Learning, Teaching and Education, TECH-EDU 2020, held in Vila Real, Portugal, in December 2020. Due to the COVID-19 pandemic the conference was held in a fully virtual format. The 27 revised full papers along with 15 short papers presented were carefully reviewed and selected from 79 submissions. The papers are organized in topical sections on digital resources as epistemic tools to improve STEM learning; digital technologies to foster critical thinking and monitor self and co-regulation of e-learning; Covid-19 pandemic, changes in educational ecosystem and remote teaching; transforming teaching and learning through technology; educational proposals using technology to foster learning competences.

With the rise of distance education in the post-modern world, progressive research on the best methods, tools, and technologies in the field is necessary to continue to take advantage of the pedagogical opportunities and improvements offered through remote learning platforms. The Handbook of Research on Emerging Priorities and Trends in Distance Education: Communication, Pedagogy, and Technology focuses on the latest innovations and technological developments surrounding distance learning, instructional design, and computer-mediated communication in educational settings. This comprehensive research work will be of use to teachers, academicians, IT developers, upper-level students, and school administrators interested in the latest trends in online learning.

Proceedings from the 2013 LTEC conference in Kaohsiung, Taiwan. The papers examine diverse aspects of Learning Technology for Education in Cloud environments, including social, technical and infrastructure implications. Also addressed is the question of how cloud computing can be used to design applications to support real time on demand learning using technologies. The workshop proceedings provide opportunities for delegates to discuss the latest research in TEL (Technology Enhanced Learning) and its impacts for learners and institutions, using cloud technologies.

How to Teach

Concepts, Methodologies, Tools, and Applications

ICICT 2022, London, Volume 2

Technology and Innovation in Learning, Teaching and Education

ICEL 2018 13th International Conference on e-Learning

Cloud Computing for Teaching and Learning: Strategies for Design and Implementation

ROLE OF E-RESOURCES AND MIND MASTERING STRATEGIES IN EDUCATION

This book gathers selected high-quality research papers presented at the Seventh International Congress on Information and Communication Technology, held at Brunel University, London, on February 21–24, 2022. It discusses emerging topics pertaining to information and communication technology (ICT) for managerial applications, e-governance, e-agriculture, e-education and computing technologies, the Internet of Things (IoT) and e-mining. Written by respected experts and researchers working on ICT, the book offers a valuable asset for young researchers involved in advanced studies. The work is presented in four volumes.

This volume constitutes the refereed proceedings of the International Conferences, FGCN and DCA 2012, held as part of the Future Generation Information Technology Conference, FGIT 2012, Kangwondo, Korea, in December 2012. The papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of grid and distributed computing, industrial environment, safety and health, and computer graphics, animation and game.

Software Data Engineering for Network eLearning EnvironmentsAnalytics and Awareness Learning ServicesSpringer

This book presents original research on analytics and context awareness with regard to providing sophisticated learning services for all stakeholders in the eLearning context. It offers essential information on the definition, modeling, development and deployment of services for these stakeholders. Data analysis has long-since been a cornerstone of eLearning, supplying learners, teachers, researchers, managers and policymakers with valuable information on learning activities and design. With the rapid development of Internet technologies and sophisticated online learning environments, increasing volumes and varieties of data are being generated, and data analysis has moved on to more complex analysis techniques, such as educational data mining and learning analytics. Now powered by cloud technologies, online learning environments are capable of gathering and storing massive amounts of data in various formats, of tracking user-system and user-user interactions, and of delivering rich contextual information.

Innovations in Smart Cities Applications Edition 2

Agent-based Approach

Proceedings of 7th ICICSE

10th European Conference on Technology Enhanced Learning, EC-TEL 2015, Toledo, Spain, September 15-18, 2015, Proceedings

ECEL 2018 17th European Conference on e-Learning

Handbook of Research on High Performance and Cloud Computing in Scientific Research and Education

A Managerial and Social Networks Perspective

Distributed systems intertwine with our everyday lives. The benefits and current shortcomings of the underpinning technologies are experienced by a wide range of people and their smart devices. With the rise of large-scale IoT and similar distributed systems, cloud bursting technologies, and partial outsourcing solutions, private entities are encouraged to increase their efficiency and offer unparalleled availability and reliability to their users. The Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing is a vital reference source that provides valuable insight into current and emergent research occurring within the field of distributed computing. It also presents architectures and service frameworks to achieve highly integrated distributed systems and solutions to integration and efficient management challenges faced by current and future distributed systems. Highlighting a range of topics such as data sharing, wireless sensor networks, and scalability, this multi-volume book is ideally designed for system administrators, integrators, designers, developers, researchers, academicians, and students.

This book provides solutions to manage information competently in order to increase its business usage. The information/knowledge business is a highly-dynamic evolving industry, and the novel methodologies and practices for the business information processing, as well as application of mathematical models to the business analytics and efficient management, are the most essential for the decision-making and further development of this field. Consequently, in this series subline first volume, the authors study challenges and opportunities, as well as embrace different aspects of business information processing for an efficient enterprise management. The authors cover also methods and techniques, as well as strategies for the efficient business information processing for management. Besides, the authors analyse strategies for lowering business information/data loss, while improving customer satisfaction and maintenance levels. The major goal is to analyse the key aspects of managerial implications on the informational business on the continuous basis.

How to Teach: A Practical Guide for Librarians is designed for librarians and other educators who must instruct library patrons on subjects ranging from research skills to understanding and using electronic tools to providing self-paced instruction. This book provides public, academic, school, and special librarians with practical applications based on theoretical approaches to adult learning; instructional design principles to help them plan, deliver, and assess learning; examples and model lessons illustrating face-to-face instruction and online training; and descriptions and step-by-step instructions showing them how to create self-paced materials to complement their teaching. Ready-to-use, customizable worksheets; handouts; and evaluation forms serve as models. Exercises in each chapter reinforce its content. URLs identify additional ideas and materials from librarian colleagues to enhance teaching.

Although the advancement of educational technologies is often discussed in a teaching capacity, the administration aspect of this research area is often overlooked. Studying the impact technology has on education administration not only allows us to become familiar with the most current trends and techniques in this area, but also allows us to discover the best way forward in all aspects of education. The Handbook of Research on Technology-Centric Strategies for Higher Education Administration is a pivotal resource covering the latest scholarly information on the application of digital media among aspects of tertiary education administration such as policy, governance, marketing, leadership, and development. Featuring extensive coverage on a broad range of topics and perspectives including virtual training, blogging, and e-learning, this book is ideally designed for policy makers, researchers, and educators seeking current research on administrative-based technology applications within higher education.

The Proceedings of the Third International Conference on Smart City Applications

Communication, Pedagogy, and Technology

Volume 1

Advanced Web Applications and Progressing E-Learning 2.0 Technologies in Higher Education

Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing

Electronic Commerce 2018

Open and Distance Learning Initiatives for Sustainable Development

With its cost efficiency, enabling of collaboration and sharing of resources, and its ability to improve access, cloud computing is likely to play a big role in the classrooms of tomorrow. Cloud Computing for Teaching and Learning: Strategies for Design and Implementation provides the latest information about cloud development and cloud applications in teaching and learning. The book also include empirical research findings in these areas for professionals and researchers working in the field of e-learning who want to implement teaching and learning with cloud computing, as well as provide insights and support to executives concerned with cloud development and cloud applications in e-learning communities and environments.

Nursing care professionals are an essential part of the medical profession, known for their care and the assistance that they offer to patients. However, nurses must also tackle the challenges of the modern workplace, including the utilization of new technologies, gender inequity, negative workplace environments including navigating exclusionary behaviors such as incivility and bullying and relieving stress and burnout. As such, it is crucial for nurses, nurse managers, and other medical professionals to remain up to date with the latest education and training techniques and discussions surrounding the significant challenges that nurses face. The Research Anthology on Nursing Education and Overcoming Challenges in the Workplace is a comprehensive reference book that compiles numerous chapters on the latest training and educational strategies for nurses and discusses challenges facing this branch of the medical field. The anthology presents challenges common within the medical field and techniques used to solve or prevent them as well as nurse perspectives on new medical

technologies and their perceived use and performance. Covering topics such as e-training, ethics, patient safety, burnout, incivility, and more, this text provides essential information for nurses, teachers, care professionals, hospital staff, managers, practitioners, medical professionals, nursing home and care facilities, academicians, researchers, and students.

The International Handbook of e-Learning, Volume 2 provides a comprehensive compendium of implementation and practice in all aspects of e-Learning, one of the most significant ongoing global developments in the entire field of education. Covering the integration, challenges, implications, and context-appropriate use of open education networks, blended learning, mobile technologies, social media, and other platforms in a variety of unique international settings, these thirty contributions illustrate the wide-ranging applications and solutions made possible by this rapidly growing new paradigm. Case studies are driven by empirical research and attention to cultural specificity, while future research needs are discussed in relation to both confirmed practice and recent changes in the field. The book will be of interest to anyone seeking to create and sustain meaningful, supportive learning environments within today's anytime, anywhere framework, from teachers, administrators, and policy makers to corporate and government trainers.

This new Edition of Electronic Commerce is a complete update of the leading graduate level/advanced undergraduate level textbook on the subject. Electronic commerce (EC) describes the manner in which transactions take place over electronic networks, mostly the Internet. It is the process of electronically buying and selling goods, services, and information. Certain EC applications, such as buying and selling stocks and airline tickets online, are reaching maturity, some even exceeding non-Internet trades. However, EC is not just about buying and selling; it also is about electronically communicating, collaborating, and discovering information. It is about e-learning, e-government, social networks, and much more. EC is having an impact on a significant portion of the world, affecting businesses, professions, trade, and of course, people. The most important developments in EC since 2014 are the continuous phenomenal growth of social networks, especially Facebook, LinkedIn and Instagram, and the trend toward conducting EC with mobile devices. Other major developments are the expansion of EC globally, especially in China where you can find the world's largest EC company. Much attention is lately being given to smart commerce and the use of AI-based analytics and big data to enhance the field. Finally, some emerging EC business models are changing industries (e.g., the shared economy models of Uber and Airbnb). The 2018 (9th) edition, brings forth the latest trends in e-commerce, including smart commerce, social commerce, social collaboration, shared economy, innovations, and mobility.

International Handbook of E-Learning Volume 2

Cloud Security: Concepts, Methodologies, Tools, and Applications

E-Learning Paradigms and Applications

ECEL 2019 18th European Conference on e-Learning

Developments in Information & Knowledge Management for Business Applications

The 2nd International Workshop on Learning Technology for Education in Cloud

Opening Up Education for Inclusivity Across Digital Economies and Societies

The modern world is developing at a pace where few can thoroughly keep track of its progress. More advancements in technology, evolving standards of education, and ongoing cultural and societal developments are leading to a need for improved pathways of knowledge discovery and dissemination. Knowledge-Intensive Economies and Opportunities for Social, Organizational, and Technological Growth provides emerging research exploring how academic research can represent both a bold response to the problems society faces today and a source of alternative solutions to those problems. This publication is derived from the basic understanding that education plays the role of the key enabler in the process of navigating these contemporary challenges. Featuring coverage on a broad range of topics such as e-service exploration, progressive online learning in urban areas, and advances in multimedia sharing, this book is ideally designed for consultants, academics, industry professionals, policymakers, politicians, and government officials seeking current research on the impact of information technology and the knowledge-based era.

Awarded second place in the 2017 AJN Book of the Year Awards in the Information Technology category. See how information technology intersects with health care! Health Informatics: An Interprofessional Approach, 2nd Edition prepares you for success in today's technology-filled healthcare practice. Concise coverage includes information systems and applications such as electronic health records, clinical decision support, telehealth, ePatients, and social media tools, as well as system implementation. New to this edition are topics including data science and analytics, mHealth, principles of project management, and contract negotiations. Written by expert informatics educators Ramona Nelson and Nancy Stagers, this edition enhances the book that won a 2013 American Journal of Nursing Book of the Year award! Experts from a wide range of health disciplines cover the latest on the interprofessional aspects of informatics — a key Quality and Safety Education for Nurses (QSEN) initiative and a growing specialty area in nursing. Case studies encourage higher-level thinking about how concepts apply to real-world nursing practice. Discussion questions challenge you to think critically and to visualize the future of health informatics. Objectives, key terms and an abstract at the beginning of each chapter provide an overview of what you will learn. Conclusion and Future Directions section at the end of each chapter describes how informatics will continue to evolve as healthcare moves to an interprofessional foundation. NEW! Updated chapters reflect the current and evolving practice of health informatics, using real-life healthcare examples to show how informatics applies to a wide range of topics and issues. NEW mHealth chapter discusses the use of mobile technology, a new method of health delivery — especially for urban or under-served populations — and describes the changing levels of responsibility for both patients and providers. NEW Data Science and Analytics in Healthcare chapter shows how Big Data — as well as analytics using data mining and knowledge discovery techniques — applies to healthcare. NEW Project Management Principles chapter discusses proven project management tools and techniques for coordinating all types of health informatics-related projects. NEW Contract Negotiations chapter describes strategic methods and tips for negotiating a contract with a healthcare IT vendor. NEW Legal Issues chapter explains how federal regulations and accreditation processes may impact the practice of health informatics. NEW HITECH Act chapter explains the regulations relating to health informatics in the Health Information Technology for Education and Clinical Health Act as well as the Meaningful Use and Medicare Access & CHIP Reauthorization Act of 2015.

The technical resources, budgets, curriculum, and profile of the student body are all factors that play in implementing course design. Learning management systems administrate these aspects for the development of new methods for course delivery and corresponding instructional design. Learning Management Systems and Instructional Design: Best Practices in Online Education provides an overview on the connection between learning management systems and the variety of instructional design models and methods of course delivery. This book is a useful source for administrators, faculty, instructional designers, course developers, and businesses interested in the technological solutions and methods of online education.

As teaching strategies continue to change and evolve, and technology use in classrooms continues to increase, it is imperative that their impact on student learning is monitored and assessed. New practices are being developed to enhance students' participation, especially in their own assessment, be it through peer-review, reflective assessment, the introduction of new technologies, or other novel solutions. Educators must remain up-to-date on the latest methods of evaluation and performance measurement techniques to ensure that their students excel. Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines emerging perspectives on the theoretical and practical aspects of learning and performance-based assessment techniques and applications within educational settings. Highlighting a range of topics such as learning outcomes, assessment design, and peer assessment, this multi-volume book is ideally designed for educators, administrative officials, principals, deans, instructional designers, school boards, academicians, researchers, and education students seeking coverage on an educator's role in evaluation design and analyses of evaluation methods and outcomes.

Software Data Engineering for Network eLearning Environments

Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications

Innovations in Computer Science and Engineering

Handbook of Research on Technology-Centric Strategies for Higher Education Administration

Analytics and Awareness Learning Services

International Conferences, GDC, IESH and CGAG 2012, Held as Part of the Future Generation Information Technology Conference, FGIT 2012, Gangneug, Korea, December 16-19, 2012. Proceedings

Strategies for Design and Implementation

This book provides an archival forum for researchers, academics, practitioners and industry professionals interested and/or engaged in reforming teaching and learning methods by transforming today's learning environments into smart learning environments. It will facilitate opportunities for discussions and constructive dialogue between various stakeholders on the limitations of current learning environments, the need for reform, innovative uses of emerging pedagogical approaches and technologies, and sharing and promoting best practices, which will lead to the evolution, design and implementation of smart learning environments. The focus of the contributions is on the interplay and fusion of pedagogy and technology to create these new environments. The components of this interplay include but are not limited to: Pedagogy: learning paradigms, assessment paradigms, social factors, policy Technology: emerging technologies, innovative uses of mature technologies, adoption, usability, standards, and emerging/new technological paradigms (open educational resources, cloud computing, etc.) Fusion of pedagogy and technology: transformation of curricula, transformation of teaching behavior, transformation of administration, best practices of infusion, piloting of new ideas.

As technology advances, so must our education system. Cloud computing serves as an ideal method for e-learning thanks to its flexibility, affordability, and availability. Cloud-based learning is especially dynamic in STEM education, as it can significantly lower the cost of building cumbersome computer labs while fostering engaged learning and collaboration among students. The Handbook of Research on Cloud-Based STEM Education for Improved Learning Outcomes prepares current and future instructors for exciting breakthroughs in STEM education driven by the advancement of cloud technologies. From virtual lab and app construction, to information sharing and course material distribution, this volume touches on a variety of topics related to the benefits and challenges of adopting cloud technologies in the classroom. This book is an invaluable reference for educators, technology professionals, administrators, and education students who wish to become leaders in their fields.

This book provides state-of-the-art knowledge on how to establish, organize, staff, and develop online education/e-learning programs. It strengthens knowledge of the different technologies, infrastructure and issues necessary for leaders and managers to make competent decisions. It is the most comprehensive guide for administrative practice currently available for e-learning leaders and managers.

Cloud computing has experienced explosive growth and is expected to continue to rise in popularity as new services and applications become available. As with any new technology, security issues continue to be a concern, and developing effective methods to protect sensitive information and data on the cloud is imperative. Cloud Security: Concepts, Methodologies, Tools, and Applications explores the difficulties and challenges of securing user data and information on cloud platforms. It also examines the current approaches to cloud-based technologies and assesses the possibilities for future advancements in this field. Highlighting a range of topics such as cloud forensics, information privacy, and standardization and security in the cloud, this multi-volume book is ideally designed for IT specialists, web designers, computer engineers, software developers, academicians, researchers, and graduate-level students interested in cloud computing concepts and security.

Software Services for e-World

Leading and Managing e-Learning

Endoscopic Closures, An Issue of Gastrointestinal Endoscopy Clinics E-Book

Implementation and Case Studies

With the relevant use of internet technologies such as Web 2.0 tools, e-learning can be a way to teach students anywhere at any time. Quality internet connection and a mobile device, such as a smartphone or tablet, offer students the capacities to grow along with knowledge, lectures, and helpful advice for learning in good conditions. Advanced Web Applications and Progressing E-Learning 2.0 Technologies in Higher Education is an essential reference source providing relevant theoretical frameworks and the latest empirical research findings in e-learning and mobile learning in modern higher education and its applications in other professional fields such as medical education. Featuring research on topics such as m-learning, knowledge management technologies, computer graphics, image processing, and web-based communities, this book is ideally designed for professionals and researchers seeking coverage on education, adult education, sociology, computer science, and information technology.

This book constitutes the refereed proceedings of the 10th European Conference on Technology Enhanced Learning, EC-TEL 2015, held in Toledo, Spain, in September 2015. The 27 full papers, 19 short papers, 9 demo papers and 23 posters were carefully reviewed and selected from 176 submissions. They address topics such as blended learning; self-regulated and self directed learning; reflective learning; intelligent learning systems; learning communities; learning design; learning analytics; learning assessment; personalization and adaptation; serious games; social media; massive open online courses (MOOCs); schools of the future.