

Using Information Technology Chapter 5

Information and communications technology

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Information and communications technology (ICT) is an extensional term for information technology (IT) that stresses the role of unified communications and the integration of telecommunications (telephone lines and wireless signals) and computers, as well as necessary enterprise software, middleware, storage and audiovisual, that enable users to access, store, transmit, understand and manipulate information.

ICT is also used to refer to the convergence of audiovisuals and telephone networks with computer networks through a single cabling or link system. There are large economic incentives to merge the telephone networks with the computer network system using a single unified system of cabling, signal distribution, and management. ICT is an umbrella term that includes any communication device...

Health information technology

Health information technology (HIT) is health technology, particularly information technology, applied to health and health care. It supports health information

Health information technology (HIT) is health technology, particularly information technology, applied to health and health care. It supports health information management across computerized systems and the secure exchange of health information between consumers, providers, payers, and quality monitors. Based on a 2008 report on a small series of studies conducted at four sites that provide ambulatory care – three U.S. medical centers and one in the Netherlands, the use of electronic health records (EHRs) was viewed as the most promising tool for improving the overall quality, safety and efficiency of the health delivery system.

Association for Information Science and Technology

managing and using information systems and technology.” Updating its name in 2000, the American Society for Information Science and Technology (ASIS&T) signaled

The Association for Information Science and Technology (ASIS&T) is a nonprofit membership organization for information professionals that sponsors an annual conference as well as several serial publications, including the Journal of the Association for Information Science and Technology (JASIST). The organization provides administration and communications support for its various divisions, known as special-interest groups or SIGs; provides administration for geographically defined chapters; connects job seekers with potential employers; and provides organizational support for continuing education programs for information professionals.

Founded as the American Documentation Institute (ADI) in 1937, the group became the American Society for Information Science (ASIS) in 1968 to reflect the organization...

Information Technology Act, 2000

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Secondary or subordinate legislation to the IT Act includes the Intermediary Guidelines Rules 2011 and the Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules, 2021.

Information system

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An information system (IS) is a formal, sociotechnical, organizational system designed to collect, process, store, and distribute information. From a sociotechnical perspective, information systems comprise four components: task, people, structure (or roles), and technology. Information systems can be defined as an integration of components for collection, storage and processing of data, comprising digital products that process data to facilitate decision making and the data being used to provide information and contribute to knowledge.

A computer information system is a system, which consists of people and computers that process or interpret information. The term is also sometimes used to simply refer to a computer system with software installed.

"Information systems" is also an academic field...

Department of Communications, Information Technology and the Arts

Communications, Information Technology and the Arts, Central Office, National Archives of Australia, retrieved 5 December 2013
Scott, Patricia, "Chapter 12: Our

The Department of Communications, Information Technology and the Arts (DCITA) was an Australian government department that existed between October 1998 and December 2007. The Department was closed on 3 December 2007 and its authority was transferred to the Department of Broadband, Communications and the Digital Economy.

Penn State University College of Information Sciences and Technology

The College of Information Sciences and Technology, also known as the College of IST at Pennsylvania State University was established in 1999. Headquartered

The College of Information Sciences and Technology, also known as the College of IST at Pennsylvania State University was established in 1999. Headquartered at the University Park campus in University Park, Pennsylvania, the college's programs are offered at 21 Penn State campus locations. Dr. Andrea Tapia currently serves as the college's interim dean.

The college focuses on the study of issues that exist "at the intersection of information, technology, and society, aiming to prepare leading professionals and scholars who can leverage technology and critical thinking skills to solve the complex challenges of an information society." Work in the college currently focuses on four major areas in education, research, and outreach: data sciences and artificial intelligence, human-computer interaction...

Information Technology (constituency)

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The Information Technology functional constituency (Chinese: 資訊功能選區) was a functional constituency in the elections for the Legislative Council of Hong Kong until it was replaced by Technology and Innovation functional constituency with a much narrower electorate in the 2021 electoral overhaul.

Since its creation in 1998, it has been normally held by the pro-democracy camp, with the interruption from 2008 to 2012, where the seat was held by pro-Beijing Samson Tam who defeated pro-democracy candidate Charles Mok by 35 votes with the help of the Internet Professional Association (iProA), a pro-Beijing IT association. In 2012, Mok retook the seat for the pro-democrats from the pro-Beijing camp by defeating Tam. Mok resigned effective 1 December 2020 as part of the 2020 LegCo mass resignations...

Information warfare

Information warfare (IW) is the battlespace use and management of information and communication technology (ICT) in pursuit of a competitive advantage

Information warfare (IW) is the battlespace use and management of information and communication technology (ICT) in pursuit of a competitive advantage over an opponent. It is different from cyberwarfare that attacks computers, software, and command control systems. Information warfare is the manipulation of information trusted by a target without the target's awareness so that the target will make decisions against their interest but in the interest of the one conducting information warfare. As a result, it is not clear when information warfare begins, ends, and how strong or destructive it is.

Information warfare may involve the collection of tactical information, assurance(s) that one's information is valid, spreading of propaganda or disinformation to demoralize or manipulate the enemy and...

Information society

main drivers are information and communication technologies, which have resulted in rapid growth of a variety of forms of information. Proponents of this

An information society is a society or subculture where the usage, creation, distribution, manipulation and integration of information is a significant activity. Its main drivers are information and communication technologies, which have resulted in rapid growth of a variety of forms of information. Proponents of this theory posit that these technologies are impacting most important forms of social organization, including education, economy, health, government, warfare, and levels of democracy. The people who are able to partake in this form of society are sometimes called either computer users or even digital citizens, defined by K. Mossberger as "Those who use the Internet regularly and effectively". This is one of many dozen internet terms that have been identified to suggest that humans...

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