Êóïåãèíà åíöèêëîïåä³ÿ ²íôîðìàö³éíèõ òåõíîëîã³é

Computing technology, information technology and information science (/kəmˈpjuːtɪŋ/ [kəm-PYUT-ing]), is the development, study and application of algorithms, computer hardware, and software to process, store, communicate and protect electronic data. Computer science spans theoretical disciplines (such as algorithms, theory of computation, information theory, and automata theory) to practical disciplines (including the design and implementation of hardware and software). Computer science is generally considered an area of research in mathematics and computer engineering. Computer science whose fundamental part is the study of computer programming is digital paradigm. Its fields of study include: computer hardware, computer programming, computer network, artificial intelligence, computer vision, digital image processing, diagnostic medicine, electronic publishing, software engineering, computer security, scientific computing, digital signal processing, digital art, human computer interaction, vehicular automation, geographic information systems, and communication protocols.