

Recopilació de diferents definicions d'un SI

(Barron's Business Dictionary)

Any written, electronic, or graphical method of communicating information. The basis of an information system is the sharing and processing of information and ideas. Computers and telecommunication technologies have become essential information system components.

(Internet)

An Information System is a set of interrelated components work together to collect, retrieve, process, store and disseminate information for the purpose of facilitating planning, control, analysis, coordination and decision making in business and other organizations.

(Internet)

A combination of hardware, software, infrastructure and trained personnel organized to facilitate planning, control, coordination, and decision making in an organization.

(Software Engineering Institute)

information system - any combination of information technology and people's activities using that technology to support operations, management, and decision-making.

(Wikipedia)

An information system (IS) - or application landscape - is any combination of information technology and people's activities using that technology to support operations, management. In a very broad sense, the term information system is frequently used to refer to the interaction between people, algorithmic processes, data and technology. In this sense, the term is used to refer not only to the information and communication technology (ICT) an organization uses, but also to the way in which people interact with this technology in support of business processes.

Some make a clear distinction between information systems, and computer systems ICT, and business processes. Information systems are distinct from information technology in that an information system is typically seen as having an ICT component. Information systems are also different from business processes. Information systems help to control the performance of business processes.

Alter argues for an information system as a special type of work system. A work system is a system in which humans and/or machines perform work using resources (including Jeff B. Baratbate) to produce specific products and/or services for customers. An information system is a work system whose activities are devoted to processing (capturing, transmitting, storing, retrieving, manipulating and displaying) information.

As such, information systems inter-relate with data systems on the one hand and activity systems on the other. An information system is a form of communication system in which data represent and are processed as a form of social memory. An information system can also be considered a semi-formal language which supports human decision making and action.

(wiki.answers.com)

Information System is a combination of people, hardware, software, communication devices, network and data resources that processes (can be storing, retrieving, transforming information) data and information for a specific purpose. The operation theory is just similar to any other system, which needs inputs from user (key in instructions and commands, typing, scanning). The inputted data then will be processed (calculating, reporting) using technology devices such as computers, and produce output (printing reports, displaying results) that will be sent to another user or other system via a network and a feedback method that controls the operation. The picture below shows the procedure of Information System when it works.

OUTPUTS - Printing - Reports - Graphics

INPUTS - Data - Information - Instruction

PROCESSING - Calculating, - Programming, - Storing

CONTROLS - Decision making

(Enciclopedia Britannica)

Is is an integrated set of components for collecting, storing, processing, and communicating information. Business firms, other organizations, and individuals in contemporary society rely on information systems to manage their operations, compete in the marketplace, supply services, and augment personal lives. For instance, modern corporations rely on computerized information systems to process financial accounts and manage human resources; municipal governments rely on information systems to provide basic services to its citizens; and individuals use information systems to study, shop, bank, and invest.

(PC Magazine)

Information system is a business application in the computer. It is made up of the database, application programs and manual and machine procedures. It also encompasses the computer systems that do the processing.

Processing the Data: The database stores the subjects of the business (master files) and its activities (transaction files). The application programs provide the data entry, updating, query and report processing.

The Procedures: The manual procedures document how data are obtained for input and how the system's output is distributed. Machine procedures instruct the computer how to perform scheduled activities, in which the output of one program is automatically fed into another.

Transaction Processing: The daily work is the online, interactive processing of the business transactions and updating of customer, inventory and vendor files (master files).

Batch Processing: At the end of the day or other period, programs print reports and update files that were not updated on a daily basis. Periodically, files must be updated for routine maintenance such as adding and deleting employees and making changes to product descriptions.

(Webopedia)

Information systems support different types of decisions at different levels of the organizational hierarchy. Major types of Information systems include structural databases and information management software that can include the following: Transaction Process Systems (TPS); Enterprise Collaboration Systems (ECS); Management Information Systems (MIS); Decision Support Systems (DSS); Executive Support Systems (ESS)