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What is an information system?

An information system is a combination of software, hardware, and communication networks to gather, filter, process, create, and distribute meaningful data. Information technology is used by many firms to carry out and manage operations, engage with customers, and outperform rivals. An organization's decision-making, coordination, control, analysis, and visualization processes are all supported by information systems, which are made up of interconnected parts that work together to disseminate information. Hardware, software, data, and telecommunications make up its five components. There are various information systems, and the type of information system a business uses depends on its goals and objectives. Operation support systems are the first type of information system. A particular kind of company operation is primarily supported by this kind of information system. The transaction processing system utilized by all banks worldwide serves as a sample. The second category of information systems is management information systems, which integrate hardware and software to support an organization's fundamental operations. They assist in gathering data from many web systems. Additionally, an organization can use decision support systems to make well-informed decisions about its operations. It examines the rapidly changing data that cannot be predicted in advance. It can be applied to both fully automated and manually operated systems. However, it is advised to combine human and computer-operated devices for best effectiveness. The last category of management support systems is executive information systems (EIS), sometimes known as executive support systems. They support senior-level organizational decision-making. In company operations, information systems have become incredibly popular over time. Automation and the use of artificial intelligence (AI) technologies are crucial to the success of information systems and to their significance. Our daily lives are influenced by information technology. Taking data and turning it into information, which is subsequently converted into organizational knowledge, is one of the functions of information systems. This position became the foundation of the organization as technology advanced. We will look at how information systems have evolved over time to gain a thorough understanding of the functions they play.

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