

What is an Information System?

An information system is a vast collection of components and factors that collaborate towards helping businesses and organizations streamline their operations, enhance their efficiency, carry out their marketing campaigns, and manage their resources. Information systems are also utilized by people to interact with peers, friends, family on social media networks, in mundane activities like banking, shopping, or searching for information.

It is a network that is defined by the combination of hardware, software, human power, and processes used to collect, store, analyze, and distribute data. Enterprise systems, data warehouses, expert systems, geographic information systems, office automation systems, databases, and networks are some examples of an information system. (Master's In Data Science, 2020).

Components of an Information System:

Hardware (physical elements like microprocessors, hard drives, and electric power supply units that allow devices like computers to function)

Software (programs that manage information system functions—input, output, storage, and processing)

Telecommunications (these connect computer networks, allowing information to run through them. LAN, WAN, and VPN are some examples)

Human Resources (business analysts and system analysts that work to improve an organization's operations, focusing on enhancing their efficiency and productivity)

References:

Master's In Data Science. (2020). *What is an information system?*

<https://www.mastersindatascience.org/learning/what-is-an-information-system/>

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