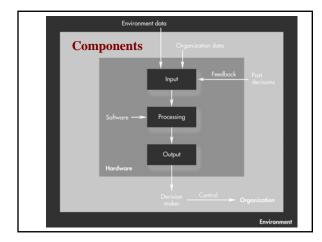
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Information Technology and Control		-		
and Control	Pamela S. Lewis			
	Stephen H. Goodman Patricia M. Fandt			
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Business Environment				
Business Environment - Global economy - Information-based se	ervice economies			
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Global economyInformation-based se	ervice economies			
Global economyInformation-based se	ervice economies			

Information Systems

... is a set of interrelated components that collects (or retrieves), processes, stores and distributes information to support the activities of an organization.

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Types of Information Systems

- Operational-level
- · Knowledge-level
- Management-level
- Strategic-level

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Operational-Level Information Systems

- Sales/marketing systems
- $\, Manufacturing/production \,\, systems$
- Finance/accounting systems
- Human resource systems
- Industry specific systems

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Knowledge-Level Information Systems

- Processes
- Procedures
- Patents
- Reference works
- Formulas
- Best practices
- Forecasts
- Fixes

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Management-Level Systems

... provide managers with periodic report that summarize the organization's performance.

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Executive-Support Systems

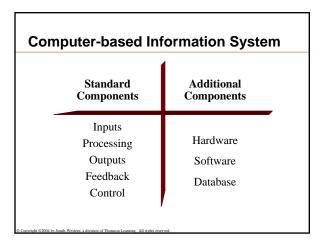
- Filter and track critical information
- Provides an up-to-date status report.
- · Access internal and external data.
- Tools for personal productivity.

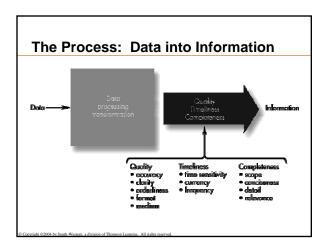
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Enterprise Resource Planning (ERP)

- Integrates
- Time consuming
- Extremely costly
- Technologically difficult

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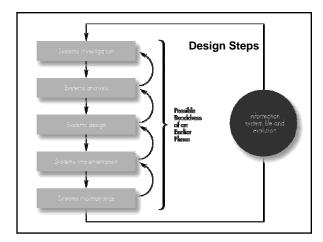




Characteristics

- Quality
- Timeliness
- Completeness

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Successful System Attributes

A system's ability to meet the needs and expectations of its users.

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Feasibility

- · Organizational feasibility
- Economic feasibility
- Technical feasibility
- · Operational feasibility

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Telecommunications and Networking

- The transmission of information in any form from one location to another using electronic or optical means.
 - Local-area network (LAN)
 - Wide-area network (WAN)

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Telecommunication Activities

- Electronic Data Interchange (EDI)
- Electronic Funds Transfer (EFT)
- Telecommuting
- E-mail
- Electronic Commerce
- Artificial Intelligence Expert system
- Artificial Intelligence Robotics

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