



Objectives

- To be acquainted with the course outline, requirements and house rules
- Describe the components of Information Systems
 (IS) in business
- Explain why IS is necessary in business
- Describe the role of IS in business functions

Management Information System

Introduction

- Course Requirements
 - -Course syllabus
 - Text book and references
 - -Case studies, long quizzes, term project
 - Class participation



Introduction

- -APC Learning Management System
 - MINSYST CSIT01 3T SY 2016-2017
 - Check regularly; at least after each class

• Cite references following APA standard

Introduction • Grading System - Class Participation/Recitation 10% Long Quizzes 30% - Case Studies 30% 30% - Project Total 100% **Passing Mark** 70% Management Information System



Introduction

- Course assessment
 - -Complete the assigned readings
 - -Long quizzes
 - -Attend classes and participate in discussions
 - Complete all case analysis and submit reports on time
 - Contribute positively in assigned group work

House Rules -Restroom breaks -Days & venue: -Time: 7:30am - 9:30am Management Information System

Introduction

-Punctuality and attendance

Tuesday & Friday, room 304

House Rules -English zone no code-switching - Mobile phones, tablets, computers, etc. not allowed during class, unless specified -Seating arrangement Management Information System



Introduction

- House Rules Proper use of resources & facilities
 - -Use computers for purposes relating to study and/or research only.
 - -Keep your area neat at all times.
 - -Handle equipment with care.
 - -Avoid disconnecting cables, peripherals, etc.



Introduction

- House Rules Proper use of resources & facilities
 - -Log-out of websites or accounts opened.
 - -Shut down computers before leaving.
 - -Do not change the system settings of computers.
 - -Do not download and install software without the permission of ITRO.



Expectations?



Subject Overview

Purpose of the course is to make students prudent consumers of information and IT services

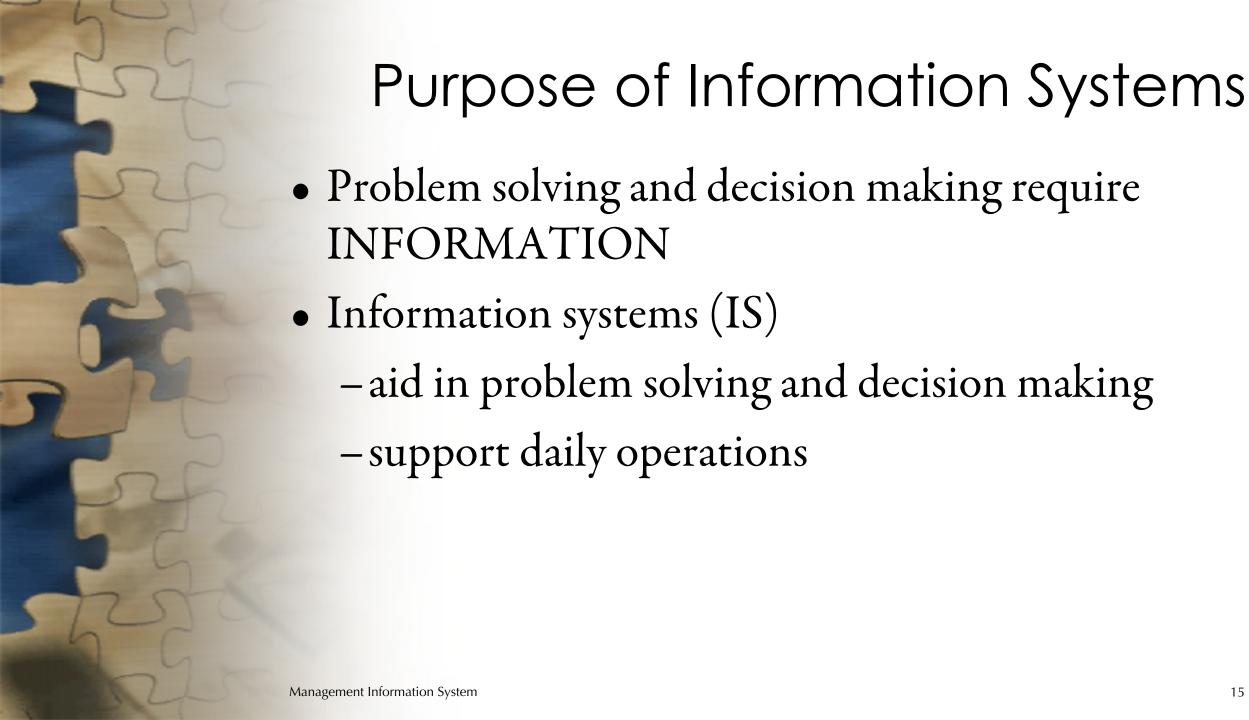
Reference:

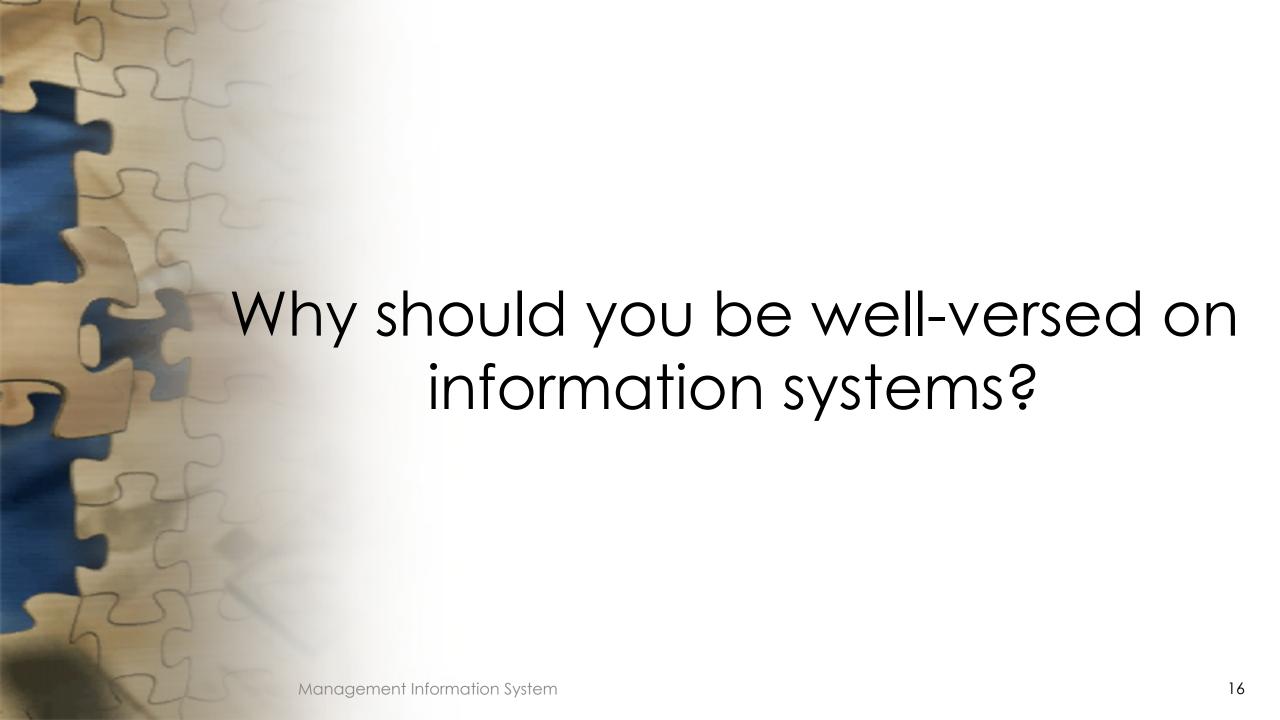
Oz, E. (2011). Principles of Management Information Systems. Philippine Edition. Cengage Learning Asia Pte.

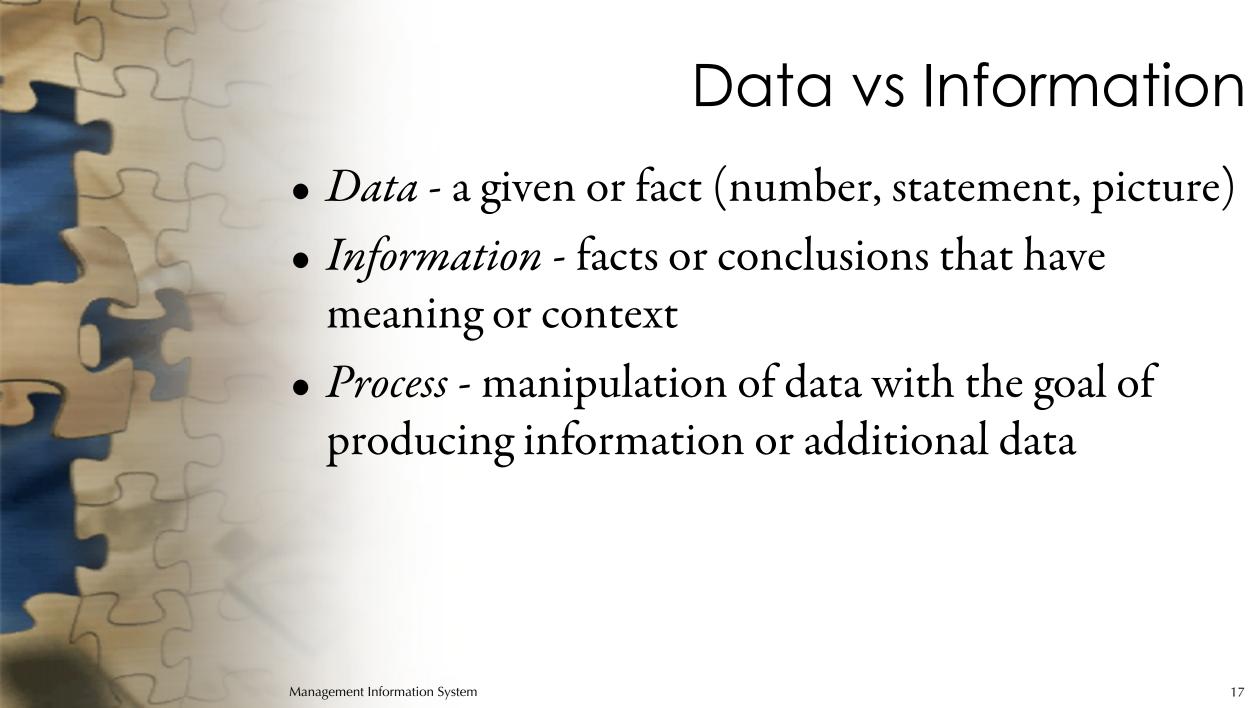


Purpose of Information Systems

- Businesses use information systems to
 - -make sound decisions
 - -solve problems
- Problem any undesirable situation
- Decision arises when more than one solution to a problem exists







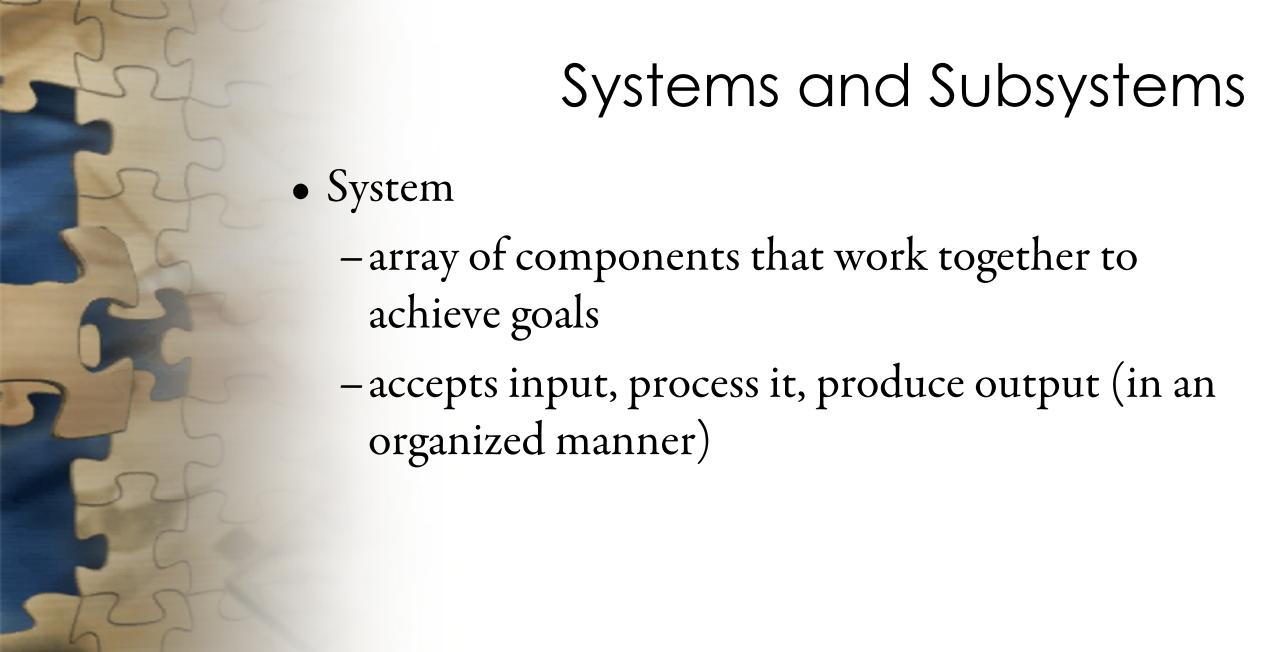
Information Input Output Process Management Information System 18

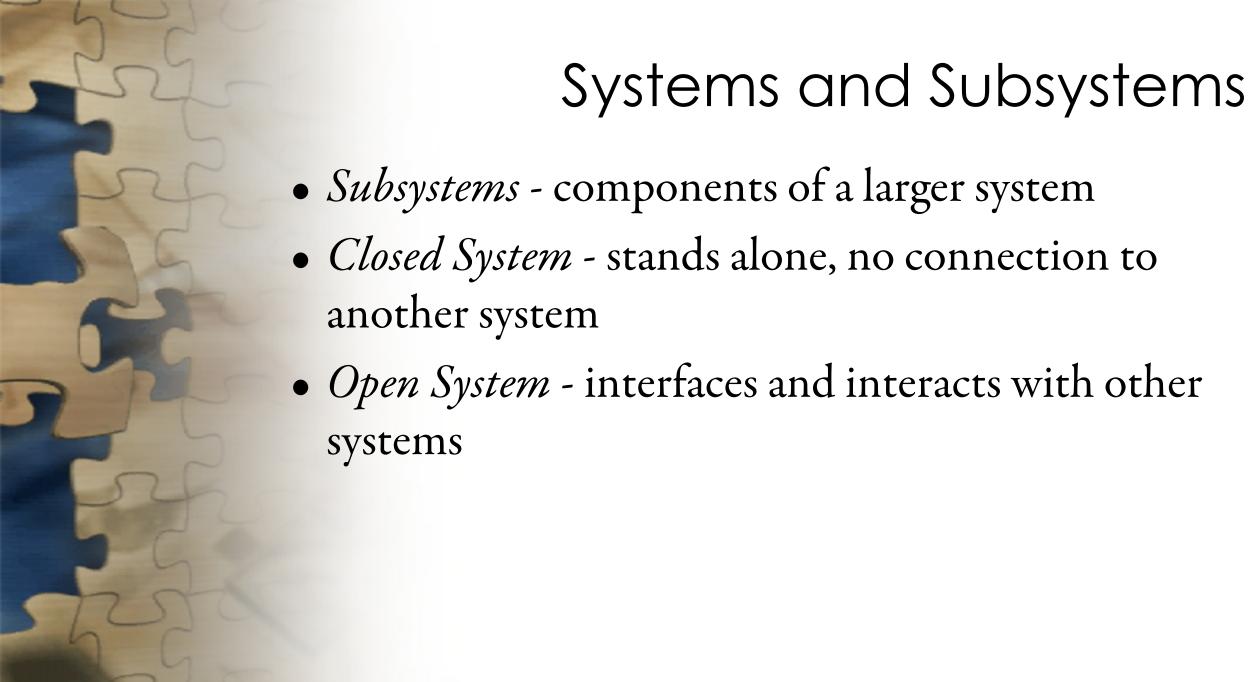
-Relevant -Complete -Accurate -Current Management Information System

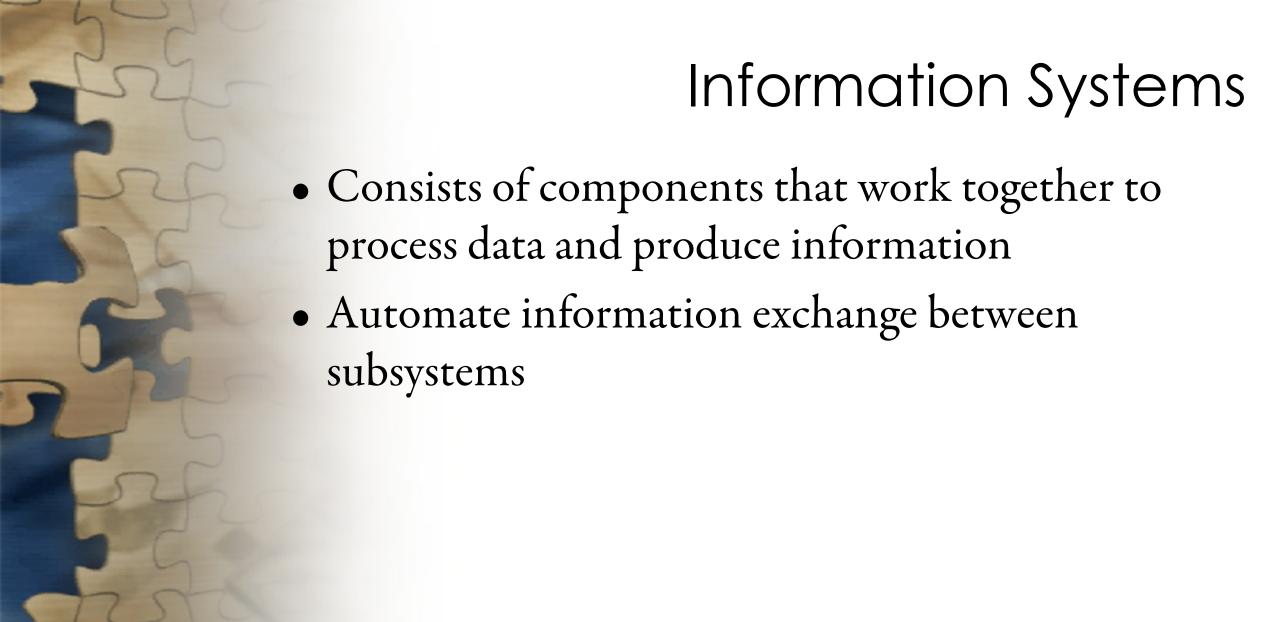
Information

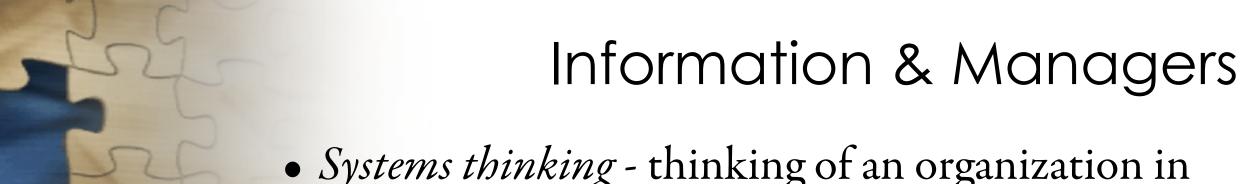
• Characteristics of useful information

-Obtained in a cost-effective manner









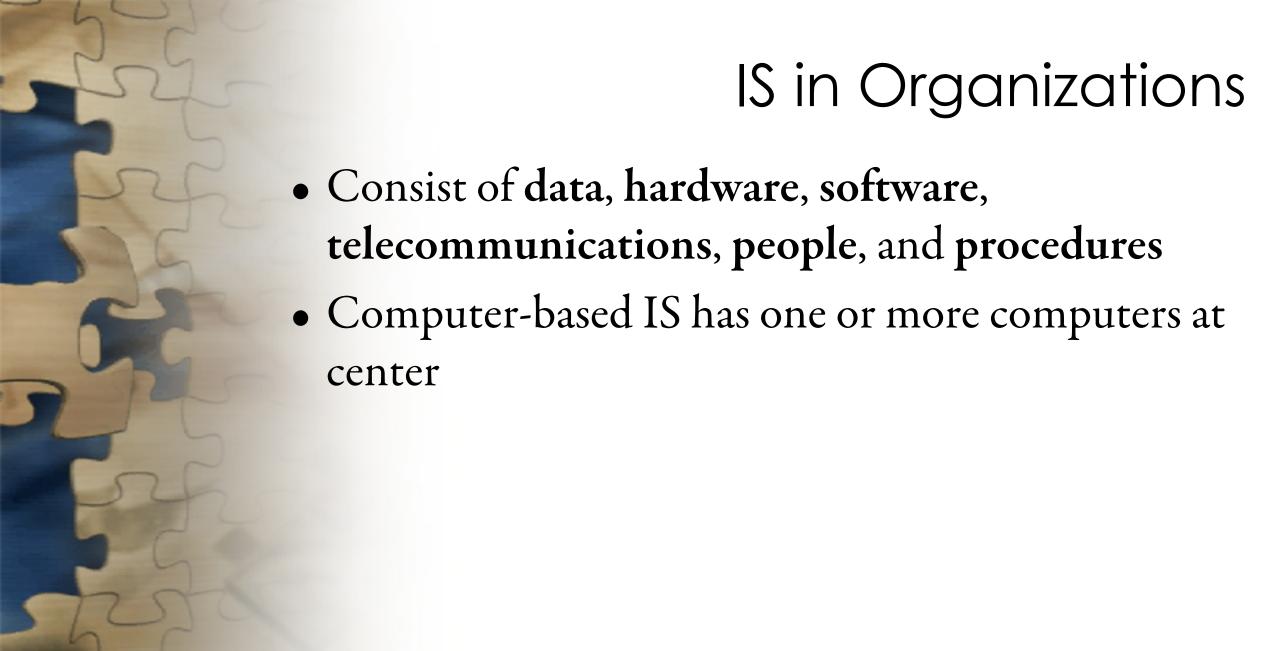
- Systems thinking thinking of an organization in terms of its subsystems
 - -creates a framework for problem solving and decision making
 - -helps managers focus on overall goals

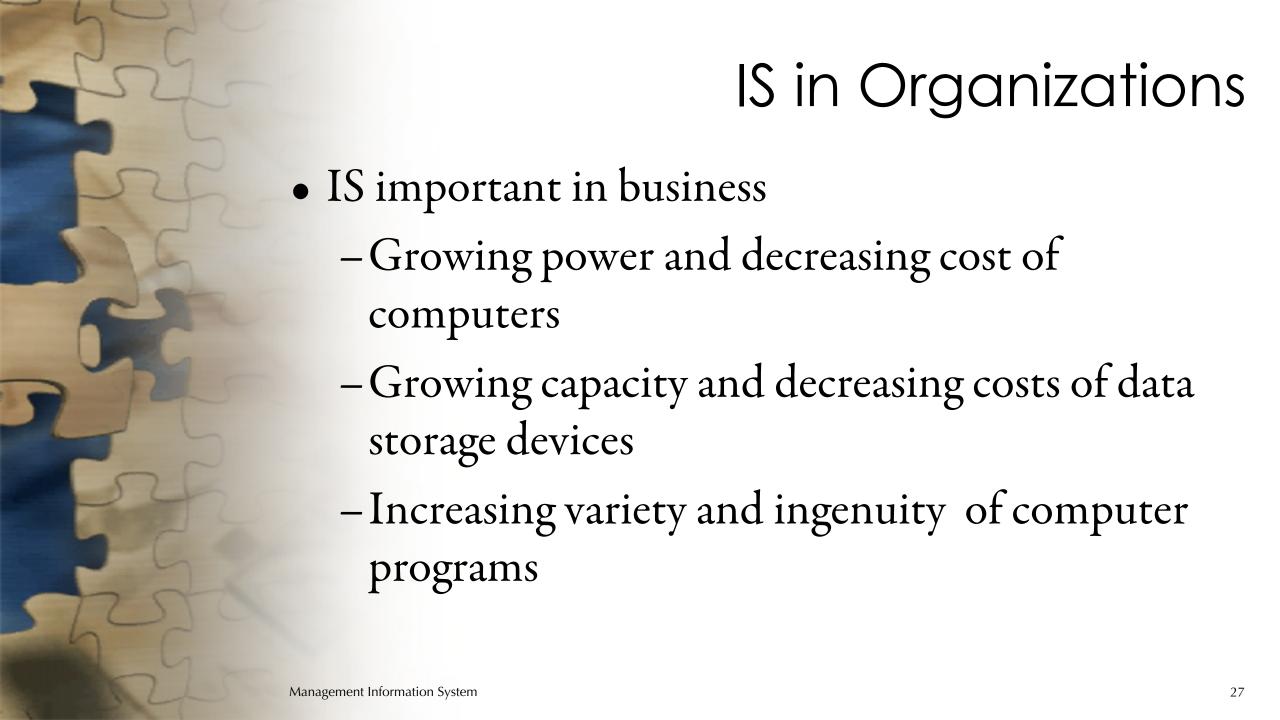


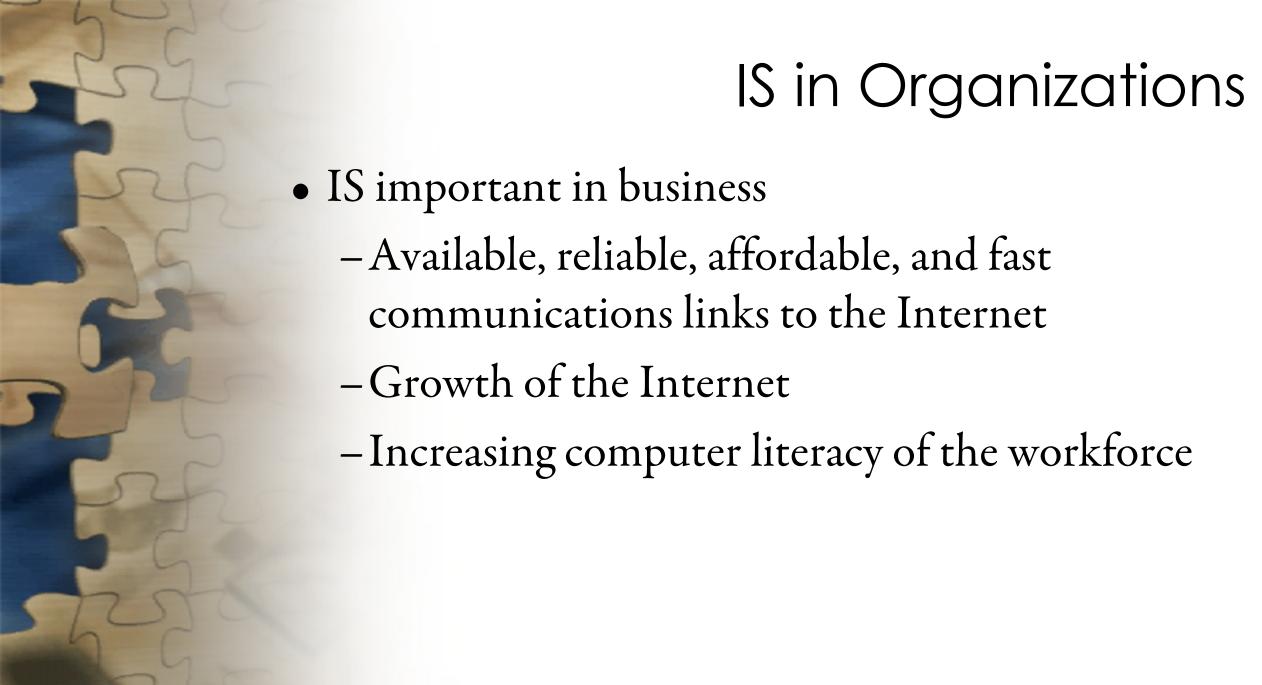
- *Information map* description of data and information flow within an organization
- *Information technology* technologies that facilitate construction and maintenance of information systems



- Humans can think, make decisions, accumulate expertise
- Computers can perform programmed operations rapidly and accurately





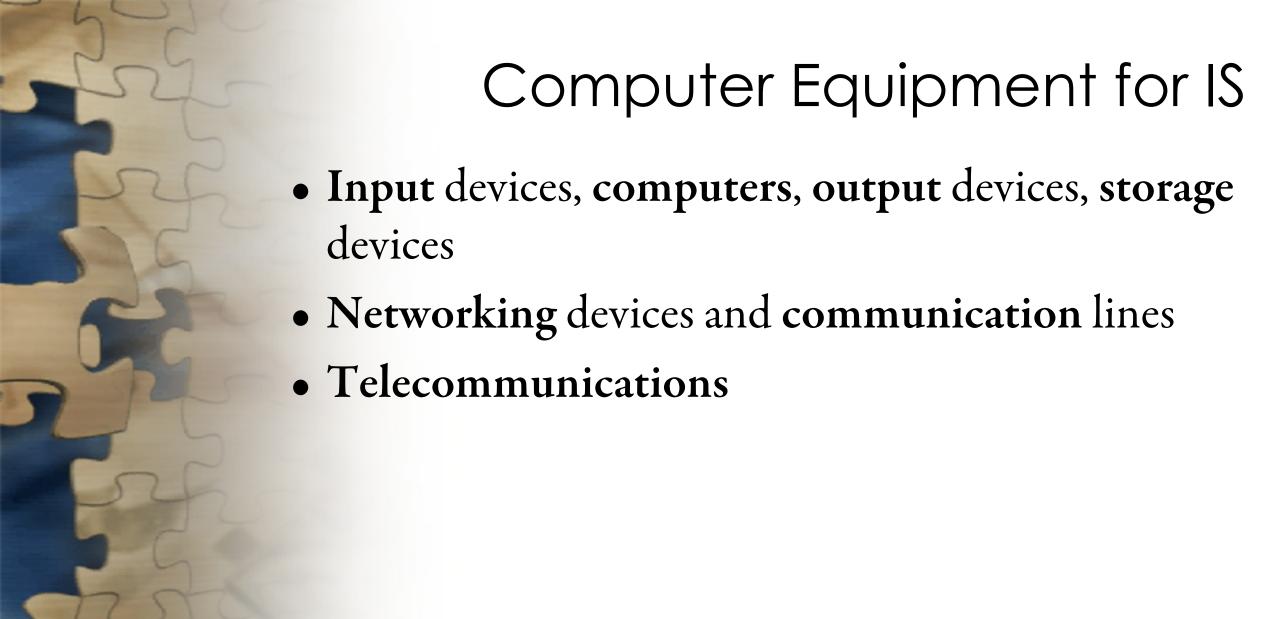


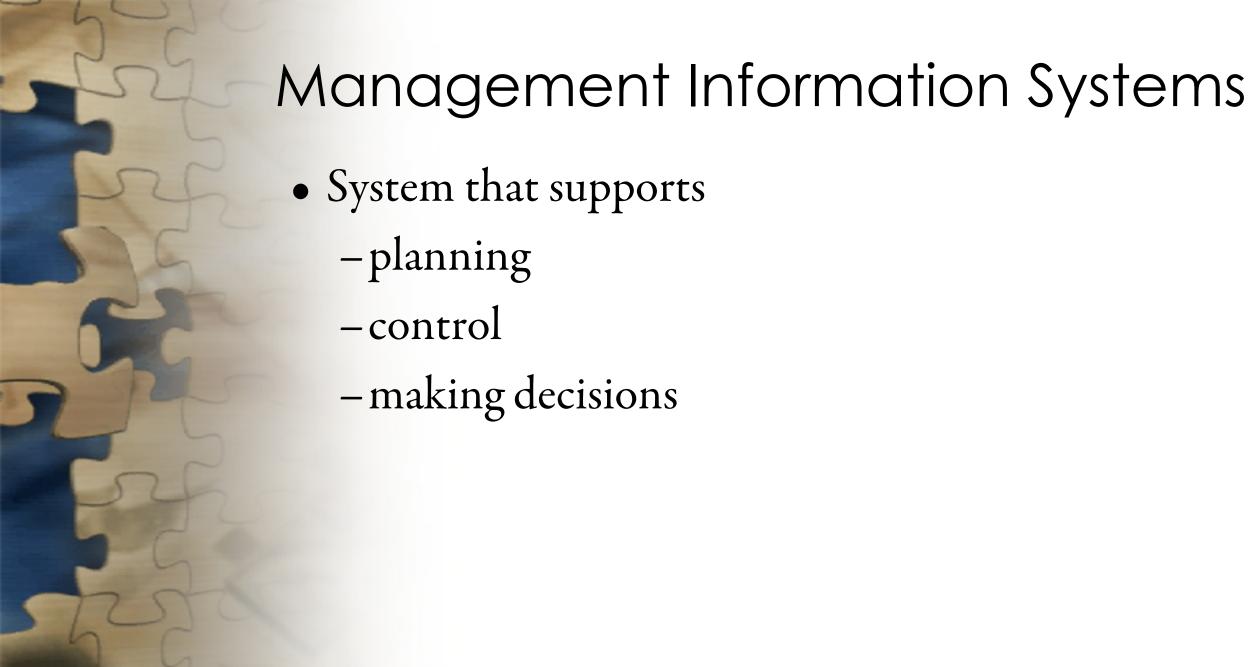
Management Information System

• Input Output Storage Management Information System

Four Stages of Processing

• Data Processing





Types of IS

- Transaction processing system system that records data collected at point where organization transacts business with other parties
- Supply chain management system also known as enterprise resource planning system

Types of IS

- Customer relationship management system system for managing relations with customers
- Business intelligence system system that glean relationships and trends from raw data to help organization compete



Types of IS

- Decision support systems systems that support decision making
- Expert systems systems that support knowledge-intensive decision making
- Geographic information system system that ties data to physical locations





On February 14, 2011, IBM Watson changed history, introducing a system that rivaled a human's ability to answer questions posed in natural language with

speed, accuracy, and confidence.

- Watson Wins!
- Largest Jeopardy! in 5 years
 - 34.5M Jeopardy! Viewers
 - 1.3B+ Impressions
- Over 10,000 Media Stories
- 11,000 attend watch events
- 2.5M+ Videos Views (top 10 only) You Tibe
- 12,582 Twitter
- 25,763 Facebook Fans
- Most recently: Emmy Award for Watson show of Jeopardy!

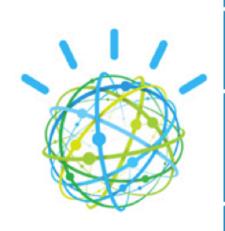


February 2011 Watson beats Jeopardy Champions Ken Jennings and Brad Rutter





What Watson does:



Interprets and understands language, in context

Understands ambiguous and imprecise questions using sophisticated natural language algorithms

Analyzes large volumes of data

Can handle large amounts of unstructured data

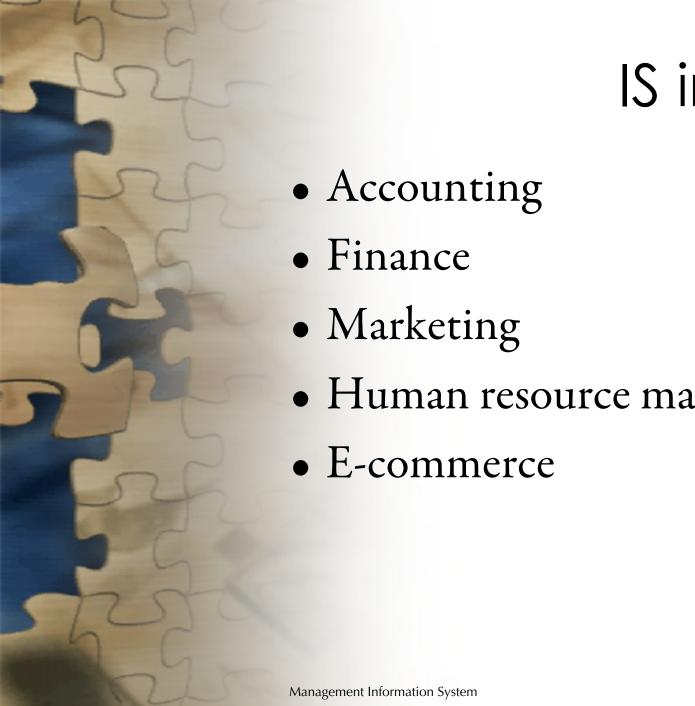
Generates and evaluates hypotheses and quantifies confidence in answers

Identifies many answers to questions with evidence to "explain" rationale for answers

Adapts and learns to improve results over time

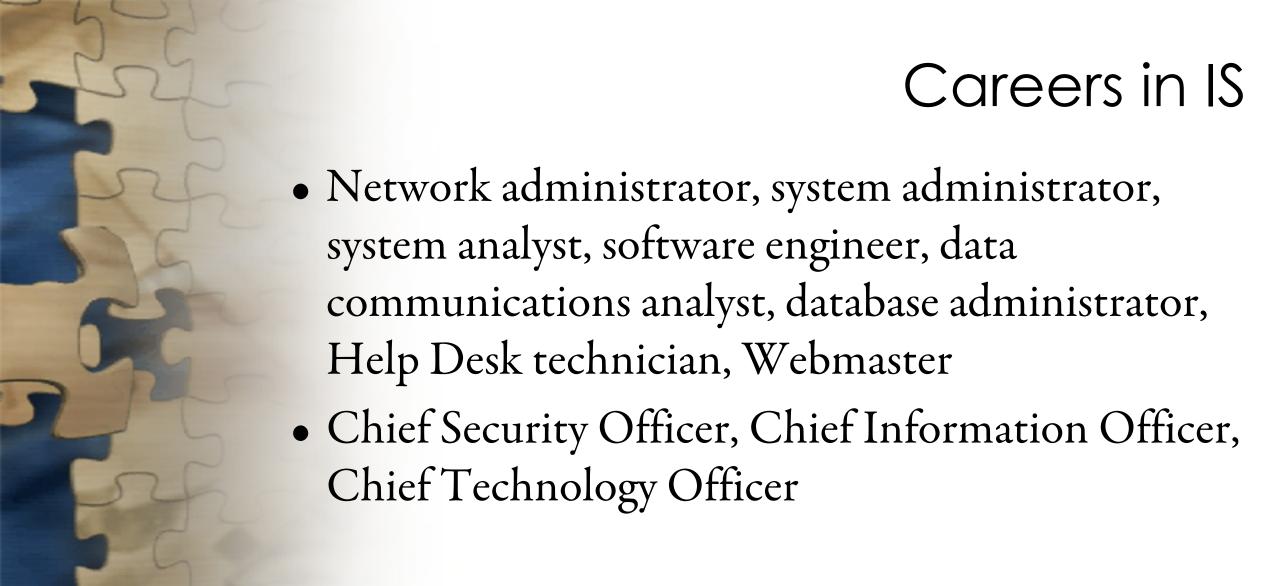
Learns from additional evidence, additional questions and mistakes to improve accuracy over time

*Reference: IBM Philippines, 2012



IS in Business Functions

• Human resource management





Ethical & Societal Issues

Phishing and Identity Theft