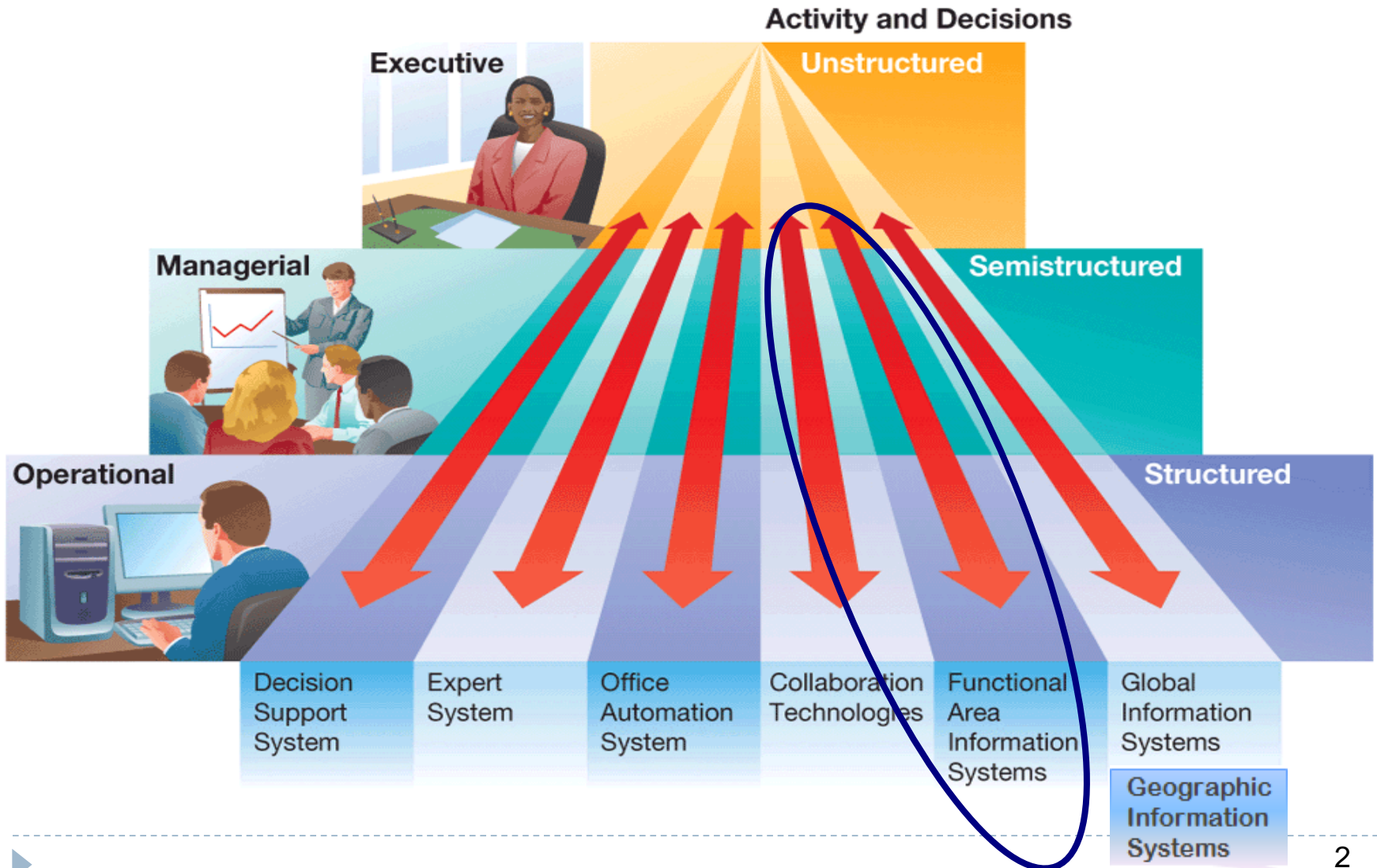# ACS-1803
Introduction to Information Systems

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Management Information Systems Frameworks

Lecture Outline 4

Organizational Information Systems

Functional Area Information Systems

Functional Area Information Systems
Cross-organizational information systems are designed to support a specific functional area

Supported Activities
The following functional organizations have systems to support their operational and managerial activities

- **Accounting and Finance**
- **Human Resources**
- **Marketing and Sales**
- **Operations (Manufacturing)**

Functional Area Information Systems

Functional Area	Information System	Examples of Typical Systems
Accounting and Finance	Systems used for managing, controlling, and auditing the financial resources of the organization	▮ Inventory management ▮ Accounts payable ▮ Expense accounts ▮ Cash management ▮ Payroll processing
Human Resources	Systems used for managing, controlling, and auditing the human resources of the organization	▮ Recruiting and hiring ▮ Education and training ▮ Benefits management ▮ Employee termination ▮ Workforce planning
Marketing	Systems used for managing new product development, distribution, pricing, promotional effectiveness, and sales forecasting of the products and services offered by the organization	▮ Market research and analysis ▮ New product development ▮ Promotion and advertising ▮ Pricing and sales analysis ▮ Product location analysis
Production and Operations	Systems used for managing, controlling, and auditing the production and operations resources of the organization	▮ Inventory management ▮ Cost and quality tracking ▮ Materials and resource planning ▮ Customer service tracking ▮ Customer problem tracking ▮ Job costing ▮ Resource utilization

Functional Area Information Systems

- ### Accounting and Finance
  - Systems used for managing, controlling and auditing the financial resources of the organization
  - Examples:
    - Inventory Management, Accounts Payable, Expense accounts, Cash management, Payroll Processing

- ### Human Resources
  - Systems used for managing, controlling and auditing the human capital in an organization
  - Examples:
    - Recruiting and hiring, Education and training, Benefits Management, Employee termination, Workforce planning

Functional Area Information Systems

- Marketing
  - Systems used for managing new product development, distribution, pricing, promotional effectiveness, and sales forecasting of the products and services offered by the organization
  - Examples:
    - Market Research and analysis, new product development, promotion and advertising, pricing and sales analysis, product location
- Production and Operations
  - Systems used for managing controlling and auditing the production and operation resources of the organization
  - Examples:
    - Inventory Analysis, Cost and quality Tracking, material and resource planning, customer service tracking, customer problem tracking, job costing, resource utilization

Functional Area Information Systems