

In The Name Of God

information system framework

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The five area information system framework.

- Foundation concepts.
- Information Technologies.
- Business Applications.
- Developments Process.
- Management Challenges.

Foundation concepts.

- Trends
- Components.
- Role of IS.
- Competitive Advantages of IS.

Information Technologies.

- Computer Hardware.
- Software.
- Telecommunications Networks.
- Data resource managements Tech.

Business Applications

How the Internet, Intranets and extranets are used in E-Business and support decision making.

Developments Process

- Developing and implementing E-Business system using several application developments approaches.

Managements challenges

- Security and ethical challenges.
- Global IT management.
- Examples:
- e-Bay, Amazon, Ford Motors, General Motors and...

What is Information system?



Information systems and Resources and Products.

- **People resources:** Specialists-systems analysts, software developers, system operators.
- **Hardware:** Machines- computer, printers, video monitor ...
- **Software:** - Programs, spreadsheet Prog., word Processors,
- **Data :** customer records, employee files, database
- **Network:** communications media, network access and control soft wares

IS Activities:

- **Input:** Optical scanning of bar-coded tags.
- **Processing:** calculating employee pay, taxes, and others.
- **Out put:** producing repots and display about sales performance.
- **Storage:** maintaining records on customers, employees, and products.
- **Control:** generating audible signals to indicate proper entry of sales data.

Three roles of the business application of IS.

1-Support of strategies for competitive advantages.

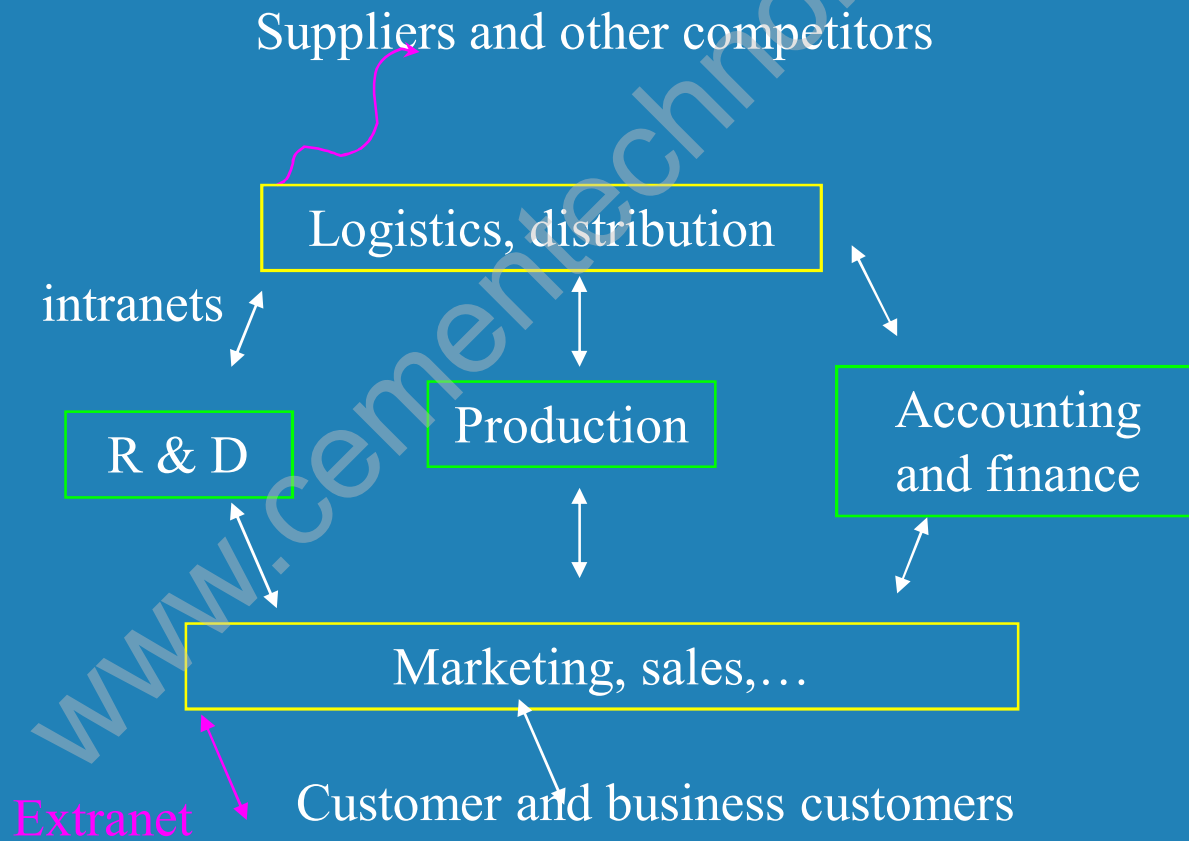
2-support of business decision making

3-Support of business processes and Operations.

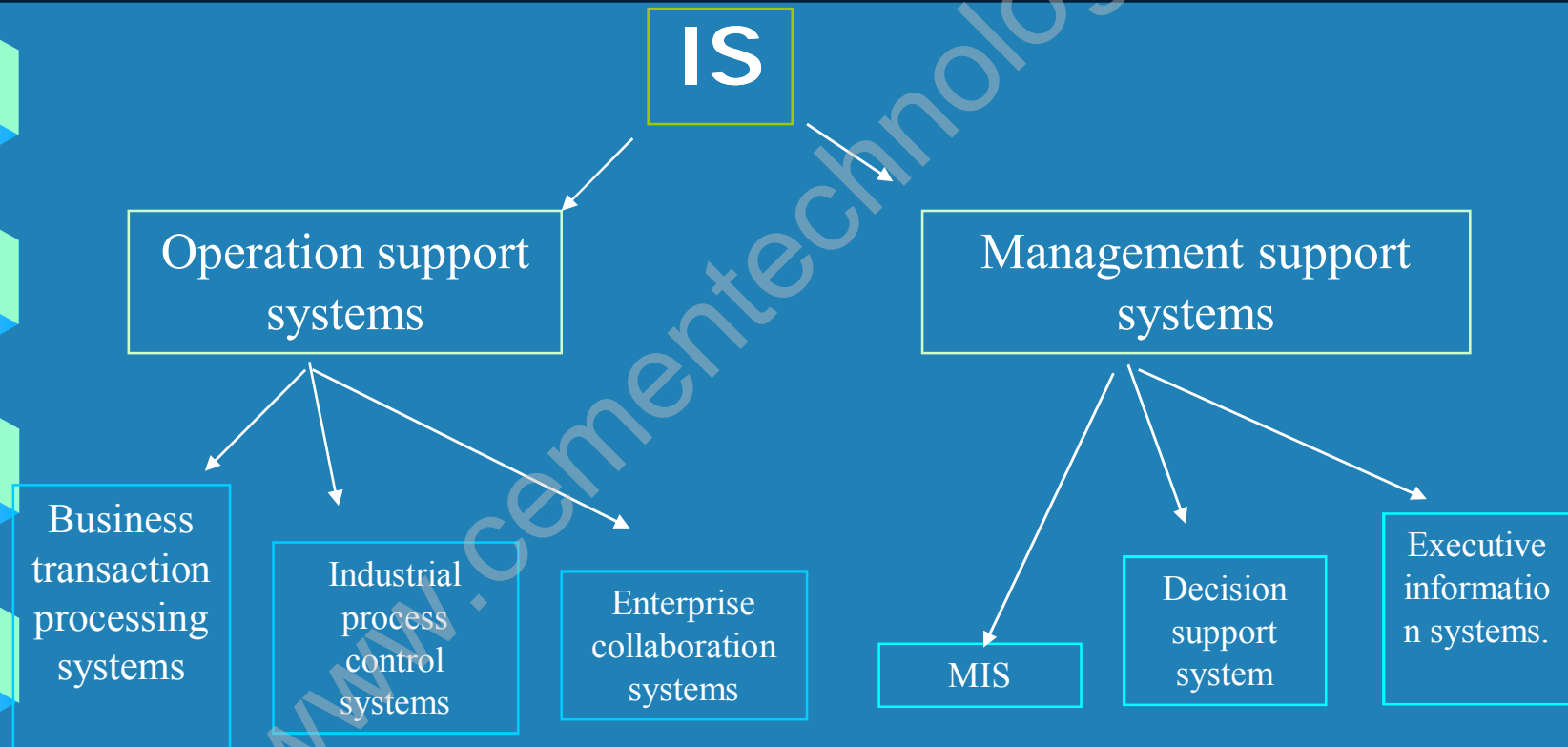
Trend of IS:

- Data Processing: 1960s-1970
record keeping, traditional accounting.
- Management Reporting: 1970s- 1980
MIS.
- Decision support:1970s-1980.
- Strategic and end user support:1980s-1990.
critical information for the mangers.
- E-Business :1990s-2000s
intranet. Extranet, internet and...

Internet.



Types of IS:



Why Information technology Projects success or fail?

- **Top five reasons for Success:**
 1. User involvements.
 2. Executive manager supports.
 3. Clear statements of requirements.
 4. Proper planning.
 5. Realistic expectations.

Why Information technology Projects success or fail?

- **Top five reasons for failure:**
 1. Lack of user inputs.
 2. Incomplete requirements.
 3. Changing requirements.
 4. Lack of executive supports.
 5. Technological incompetence.

Question?

- Discussion in the managers organization!

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