

# Sistem Informasi

## *(SI Fungsi Bisnis)*

*Based on : Management Information System, Second Edition, Effy Oz*



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# Efektifitas dan efisiensi

“ ISs can help companies attain more effective and efficient business processes. ”

## Effectiveness

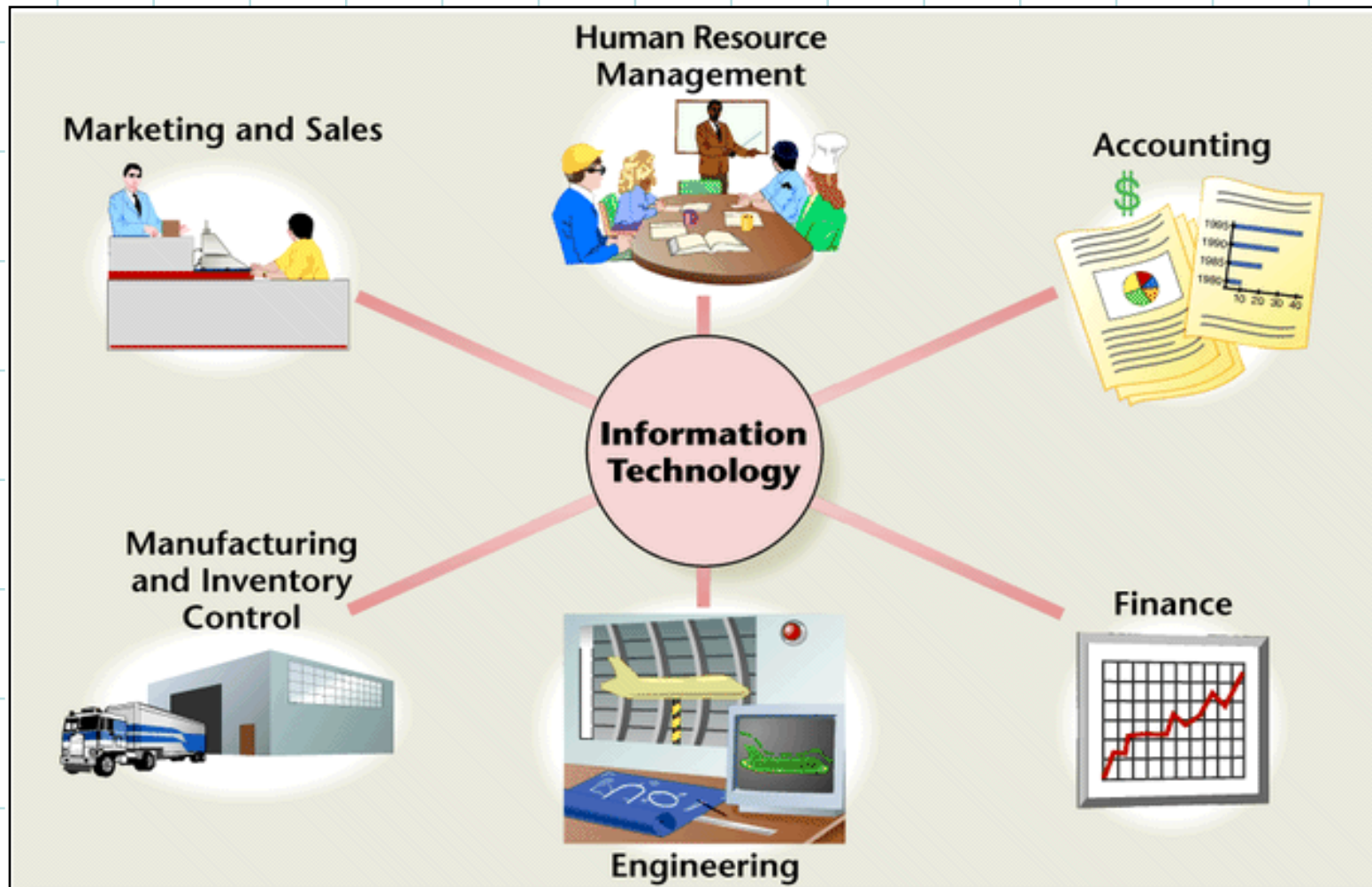
The degree to which a task is accomplished

## Efficiency

Determined by the relationship between resources expended and benefits gained in achieving a goal

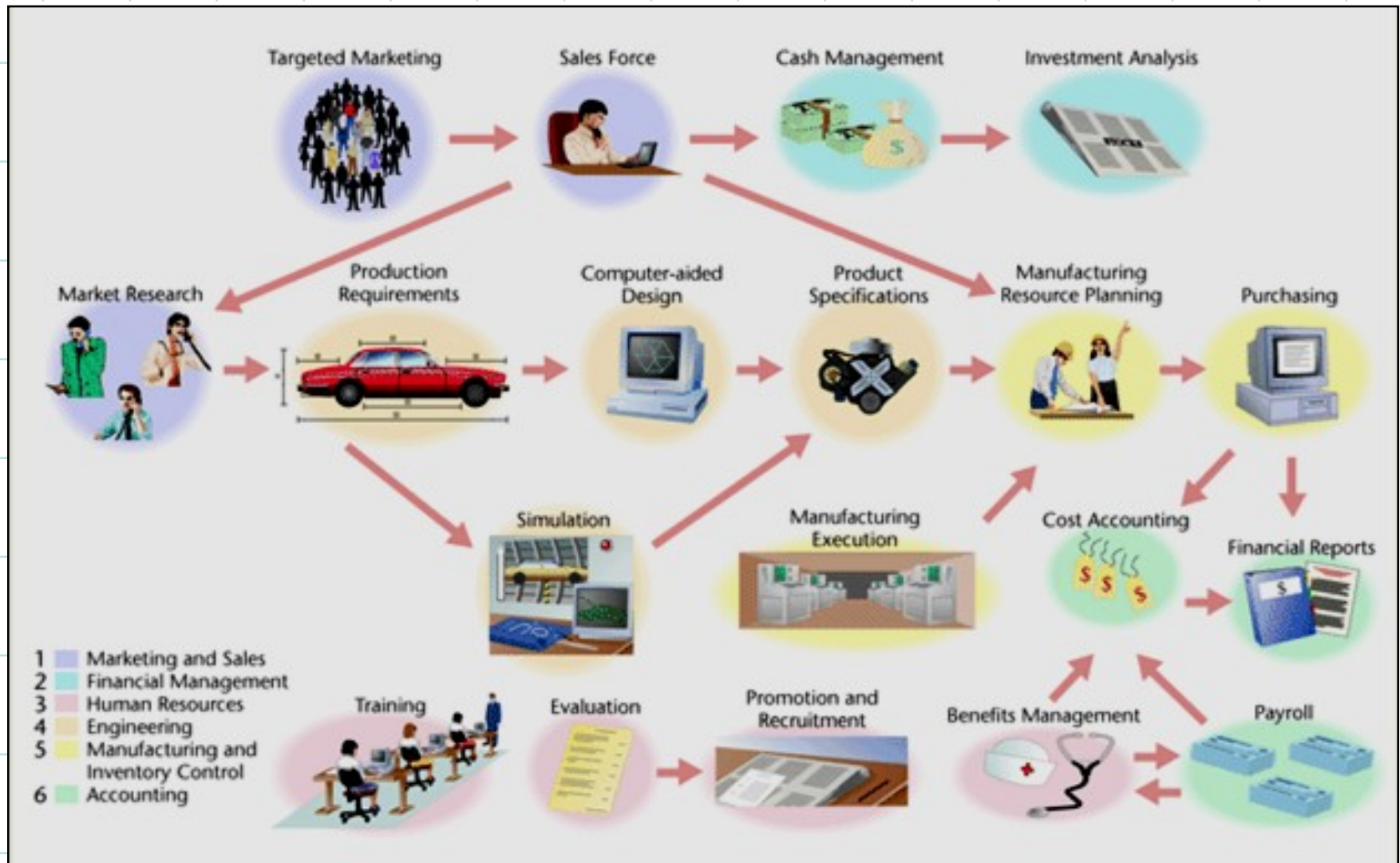


# Efektifitas dan efisiensi



Dukungan IT dalam berbagai aktivitas fungsi bisnis

# Efektifitas dan efisiensi



Sistem Informasi didalam fungsi bisnis yang berbeda pada dasarnya saling berkaitan

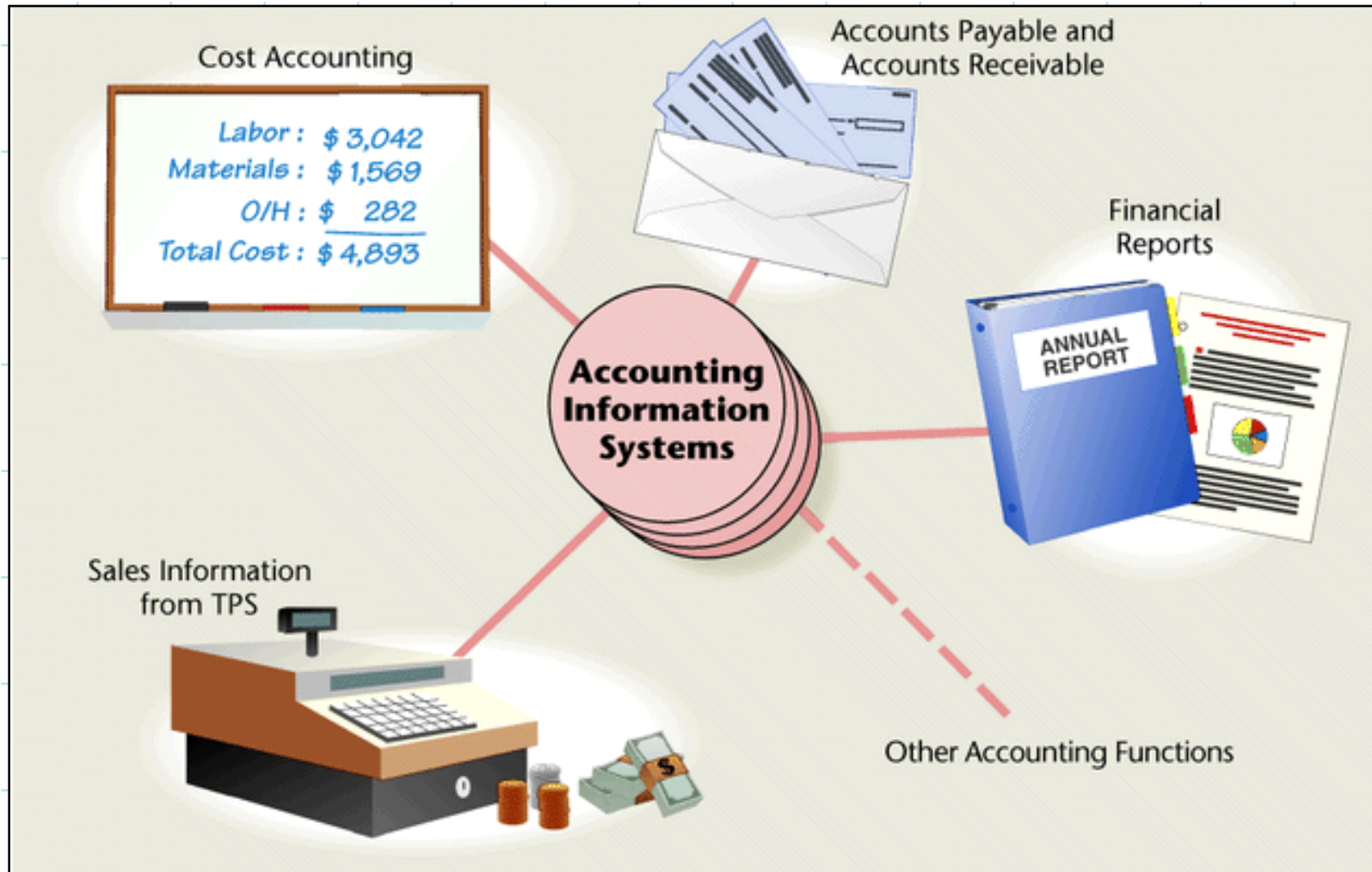
# Accounting

- AISs automatically post transactions in the books and automate generation of reports for management and legal requirements.
- Three types of AISs
  - Transaction processing systems (TPS)
  - Cost accounting systems
  - Managerial accounting systems
- Electronic Data Processing (EDP) Audits
  - Ensure electronic systems comply with standard regulations and acceptable rules
  - Ensure systems cannot be manipulated to circumvent acceptable principles

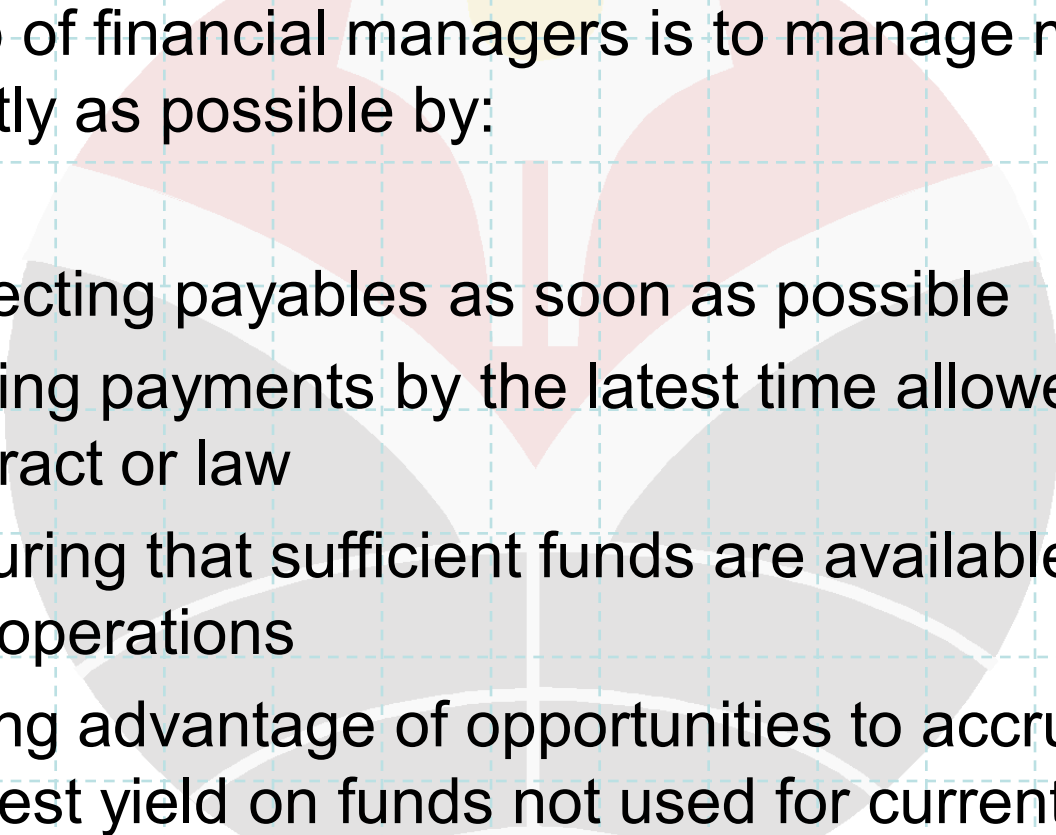




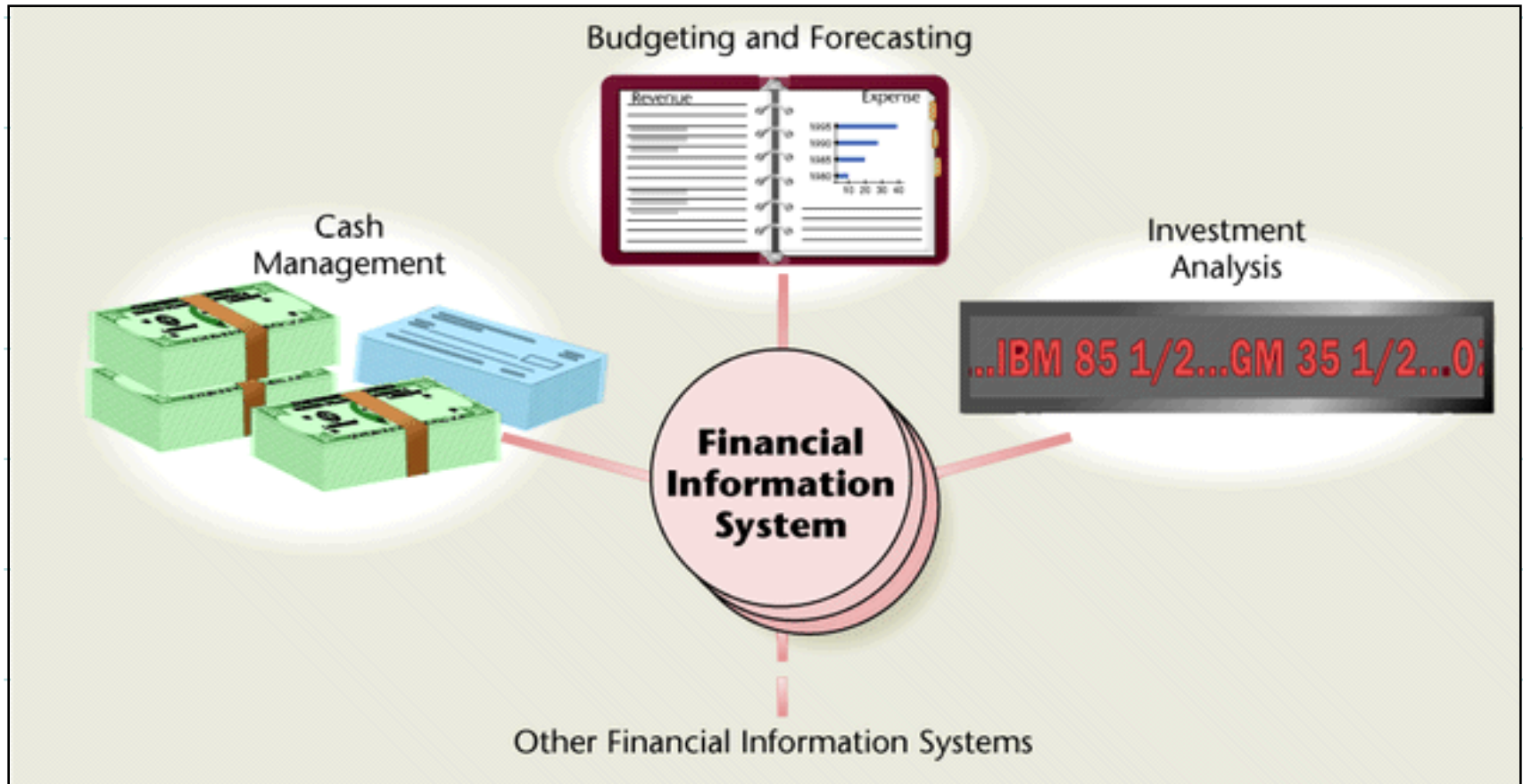
# Accounting



Accounting information systems include features that reflect up-to-date performance of the organization in financial terms.

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- The job of financial managers is to manage money as efficiently as possible by:
- Collecting payables as soon as possible
  - Making payments by the latest time allowed by contract or law
  - Ensuring that sufficient funds are available for day-to-day operations
  - Taking advantage of opportunities to accrue the highest yield on funds not used for current activities

# Keuangan [Finance]



Financial information systems help manage cash and investment portfolios.



## Cash Management

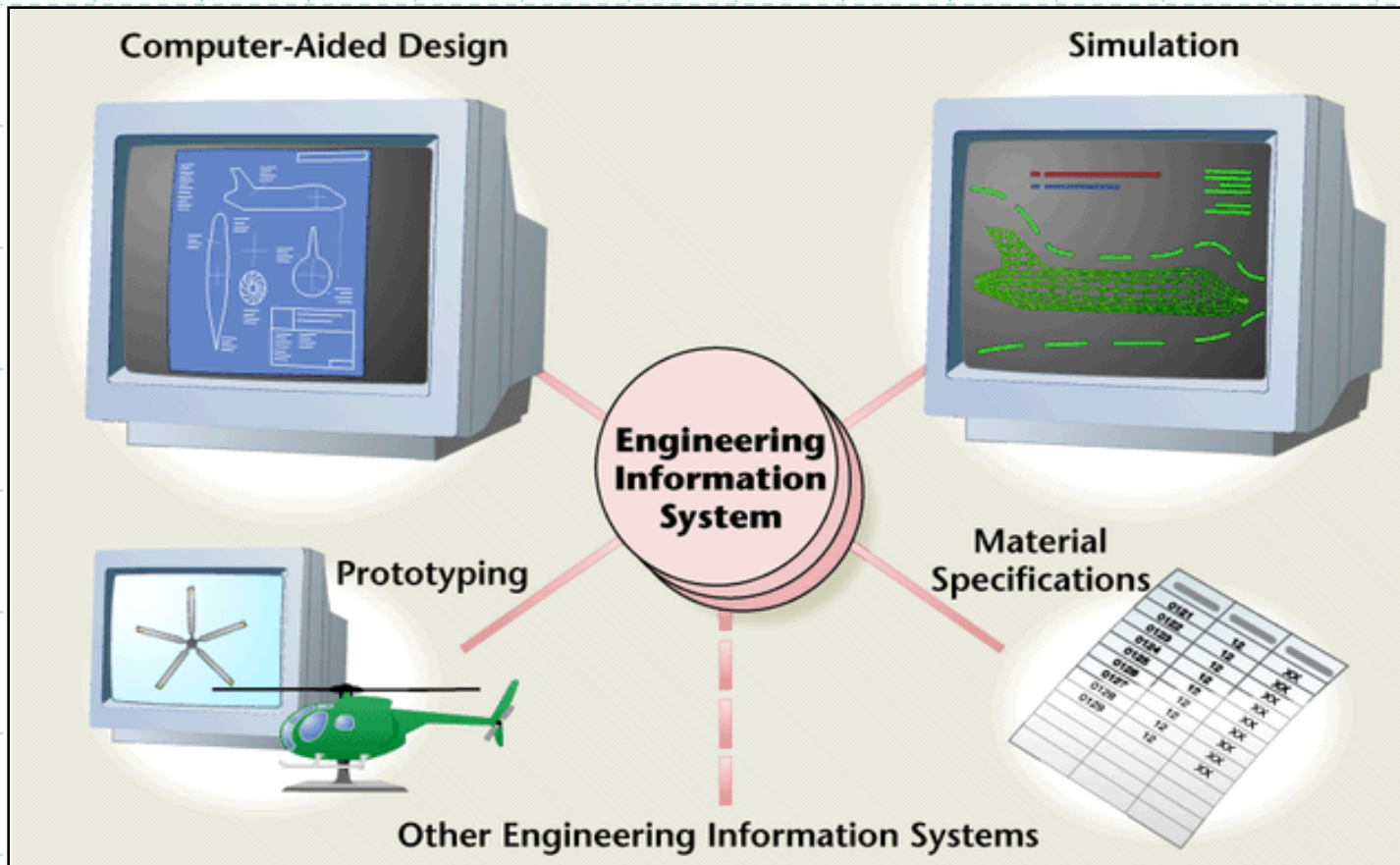
- Financial ISs help balance the need to accrue interest against the need to have cash available.
- Cash management systems (CMS): Handle cash transactions specifically.
- Electronic fund transfer (EFT): The electronic transfer of cash from one bank account to another.

## ISs and Investment Analysis and Service

- Analyze and project the prices of a specific stock or bond.
- Transmit buy and sell orders electronically.
- Provide clients with a detailed statement.
- Monitor account information and news online.

- ISs reduce engineering lead time or time-to-market.
  - Key to maintaining a competitive edge
  - Computer-Aided Design (CAD) Systems
    - Help engineers and technicians design new products and quickly modify and store drawings electronically.
  - Rapid Prototyping: Creating one-of-a-kind products to test design in three dimensions.

# Engineering



Engineering information systems aid engineers in designing new products and simulating operations.

