MINSYST

MANAGEMENT INFORMATION SYSTEMS

11:30AM - 01:30PM

3RD TERM SY2014-15

Week 1: Agenda

Moodle Class

Syllabus

Important Dates to Remember

Important Reminders

Week 1: Lecture / Discussion

Homework & Case 1

MINSYST
ENROLLMENT KEY: **iwillgraduate**

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Weeks 1, 2, 6, 12 and 13:
 Meetings are once per week

JAN 22-23:
 Bookfair

FEB 9 :
 PAASCU VISIT – *no absence, no tardiness*

APR 6 :
 Final Project Presentation

Week 1: Agenda

Moodle Class

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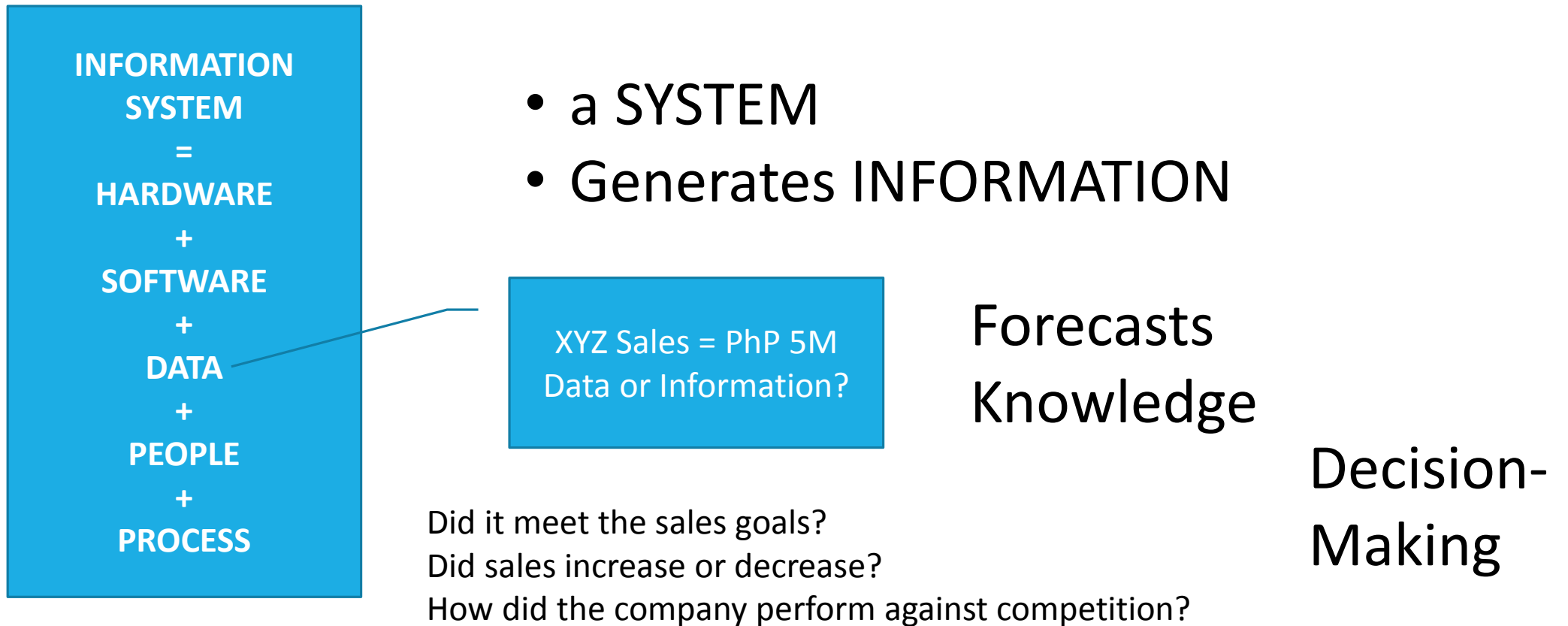
Important Reminders

Week 1: Lecture / Discussion

Homework & Case 1

- Sign the attendance sheet every meeting: Goal: Proof of your attendance

- Prepare for quizzes almost every meeting: Goal: Retention

- Be sure to read homework / cases before coming to class: Goal: Serious studying & ensure participation in class discussions

- Bring notebooks AND take down notes: Goal: Better understanding

Week 1 Modules

- Describe the components of Information Systems (IS) in the business.

- Explain why IS is necessary to business

- Describe the components of Information Systems (IS) in the business.

INFORMATION SYSTEM
=
HARDWARE
+
SOFTWARE
+
DATA
+
PEOPLE
+
PROCESS

- a SYSTEM
- Generates INFORMATION

XYZ Sales = PhP 5M
Data or Information?

Forecasts
Knowledge

Decision-Making

Did it meet the sales goals?
Did sales increase or decrease?
How did the company perform against competition?

- Describe the components of Information Systems (IS) in the business.

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BUSINESS INTELLIGENCE
Provides historical, current, predictive runs of business operations and environment for strategy and competitive advantage

Sometimes known as **"Knowledge Workers"**

Forecasts
Knowledge

Decision-Making

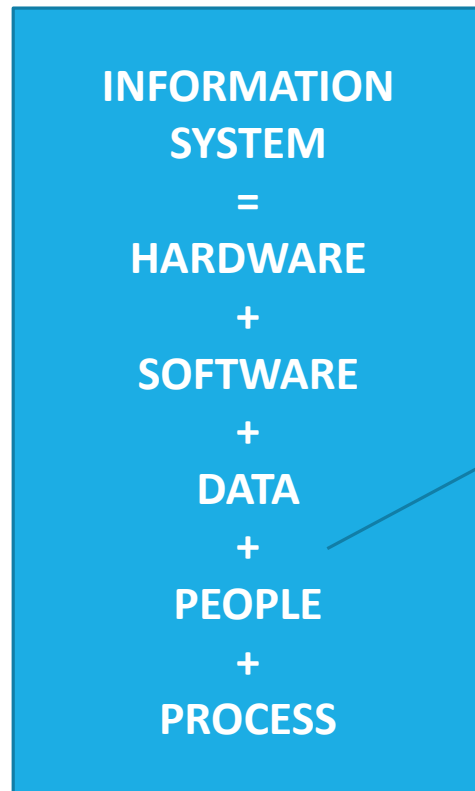**Computer Literacy** VERSUS **Information Literacy**

Has skills in use of SW, HW, Net, etc.

Has understanding role of Info in generating **Business Intelligence (BI)**

■ Describe the components of Information Systems (IS) in the business.

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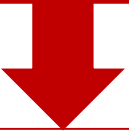
Types of Information Systems

- **Transaction Processing System (TPS)**
  - Structured tasks of record keeping, clerical operations, inventory control

- **Personal IS (PIS) or Human Resource IS (HRIS)**
  - Choosing best candidate, scheduling & assigning employees, predicting the org's future personnel needs, providing reports & statistics on employee demographics, allocating human & financial resources

- **Logistics IS (LIS)**
  - Reduces the cost of transporting materials yet maintaining safe & reliable delivery (improving routing & delivery schedules, selecting the best modes of transportation, improving transportation budgeting and shipment planning)

Types of Information Systems

- **Manufacturing Information System (MFIS)**
  - Manages manufacturing resources to reduce costs, increase product quality, & improve inventory decisions (improve ordering decisions, product cost calculations, space utilization, bid evaluation process, analysis of price changes and discounts)

- **Financial IS (FIS)**
  - Provides info to financial executives in a timely manner to improve budget allocation, minimize capital investment risks, monitor cost trends, manage cash flows.

- **Marketing IS (MKIS)**
  - Improve marketing decisions from info about marketing mix (price, promotion, place and product; analyze market share, sales and sales personnel, sales forecasting

Types of Information Systems

**Therefore,
An
Information
System
is a CRITICAL
TOOL!**

How does this related to you as a CS/IT student? As a future graduate?

- **Supply Chain Management Systems (SCM)**

- **Customer Relations Management Systems (CRM)**

- **Management Information System (MIS)**
  - Organized INTEGRATION of HW, SW, data, process & human elements designed to produce **TIMELY, INTEGRATED, RELEVANT, ACCURATE** and **USEFUL** information for DECISION-MAKING.

Else: results are :
- Incorrect decisions
- Miscalculation of resources
- Overlooked windows of opportunities
- Anxiety (and death?)

Form of graphics (pie charts, bar graphs), tables, exception reports

▪ Homework* also found in moodle:

1. **Homework 1:**

   Research about Facebook and Twitter, the 2 popular social networking sites. Write a 2-page report on how these sites are used for business and personal purposes.

   (Use page numbers, left and right justification, font (Times New Roma), font size 12, single-space, include sources in APA format).

   To be submitted next meeting. Late submissions will not be accepted.

2. **Case 1:**

   Using IT at Federal Express. Answer the question: Is technology alone enough to ensure high-quality customer service? To be submitted next meeting (online).