Management Information Systems James Abela

Aims

- Understand where information systems can add value to a company
- To enable you to effectively manage an information system

THIS IS A BUSINESS MODULE! NOT A COMPUTING MODULE!



What is an Information System?

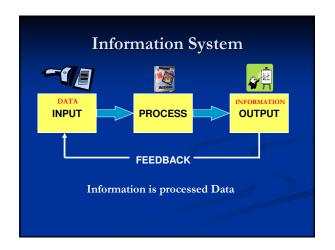
- Does an information system have to have a computer?
- 2. Think of 3 examples of an information system
- 3. There are 3 essential elements to any information system, what are they?
- 4. How do you know if an information system is effective?

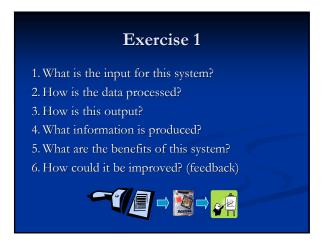
What is an Information System?

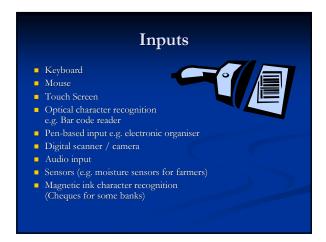
- Does an information system have to have a computer? NO
- 2. Think of 3 examples of an information system Supermarket till, shipping company & address
- There are 3 essential elements to any information system, what are they?
 Input – Processing - Output
- 4. How do you know if an information system is effective? Return On Investment (ROI)

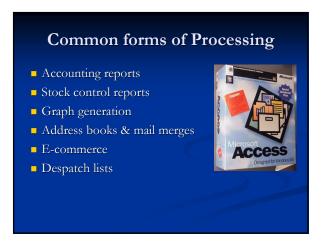
So Why Use A Computer?

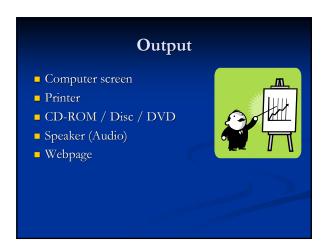
- A PC can manipulate data much faster than a human.
- They are cheaper than human labour
- They do not make mistakes
- Data can easily be moved or copied in a PC

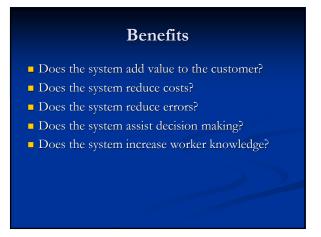










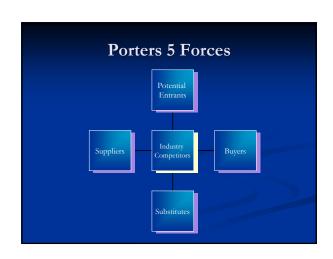




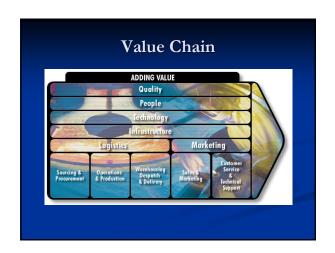
Roles of IS Support Business Processes and Operations Support Business Decision Making Support strategies for Competitive Advantage Exercise 2: In groups think about how Information Systems could provide an advantage in these areas?

Roles of IS Support Business Processes and Operations Accounts / Stock management / VISA Support Business Decision Making Market research / annual sales figures / CRM Support strategies for Competitive Advantage Innovation / JIT / e-commerce









Main MIS Strategies

- Cost Leadership
- Differentiation
- Innovation
- Growth
- Alliances

Exercise 3: For each strategy think how MIS can provide an advantage and think of companies that use this strategy

Other Strategies

- Lock in customers and suppliers e.g. automated stock systems
- Switching costs Provide IT to your customers
- Barriers to entry High IT costs to enter field
- Leverage investments in IT Use existing IT for new purposes

Summary – Lesson 1

- An Information System has: Input – Processing – Output
- Benefits 5 Key benefits of MIS
- Feedback Important to improve an MIS
- Main types of MIS system: Operations, decision making and competitive advantage
- Three key marketing models