

Overview of Computing and IS ?- Examples: - Inventory management: Using barcode scanners and inventory management software can streamline inventory processes.- A system is a collection of components working together towards a common goal, receiving inputs and transforming them into outputs.Role of the Information Systems Department - The Information Systems Department plays a crucial role in modern organizations by: - Developing, implementing, and maintaining information systems.- Components of computer-based information systems: - Hardware: Physical components such as computers, printers, and storage devices.- Software: Programs that instruct the hardware how to function.Characteristics of Valuable Information - Accurate: Information should be free from errors and reflect reality.- Verifiable: Information should be able to be validated against reliable sources.- Identifying opportunities to improve business processes through technology.- Customer relationship management (CRM): Implementing CRM systems can improve customer service and retention.It requires processing to become meaningful.- Data + Meaning = Information - Knowledge is data and/or information processed to convey understanding and expertise.- When organized and analyzed to determine the tallest student, it becomes information.Computer-Based Information Systems - Computer-based information systems receive input, process it, and generate output.- Processes: Steps or procedures used to transform data into information.- Understandable: Information should be presented in a clear and concise manner.- Providing technical support to users.- Example: - A list of student CGPA scores is data.This is data.????