

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