

Chapter 1 – The System Analyst And Information Systems Development

Introduction

Definition of a System

System is an interconnected components that work together to achieve a goal

- System components
 - Resources
 - Hardware
 - Software
 - Procedures
 - Data – Information
 - Functions
- The *Systems Development Life Cycle (SDLC)* is the process of *determining* how an Information system can support **business needs**, *designing* the system, *building it*, and delivering it to users
 - SDLC is four-stages cycle
 - Phases
 - Planning
 - Analysis
 - Design
 - Implementation
- What is the primary Objective of the System Analyst?
 - The primary Objective of the System analyst is to create value for the organization, not a wonderful system.

The System Analyst

System analyst skills

- The skills can be broken down into six major categories
 - Technical
 - To understand the organization's existing technical environment
 - To understand the new technology
 - To find a way to fit both organization's existing technical environment and new technology into an integrated technical solution
 - Business

- required to understand how IT can be applied to business situations
- Ensures that IT delivers real business value
- Analytical
 - Problems solvers at both project and organizational level
- Interpersonal
 - Effective communication
 - one-on-one with users, business managers, and programmers.
 - Must be a good listener
- Management
 - Ability to manage people with whom they work, manage the pressure and risks associated with unclear situations.
- Ethical

System Analysts roles

- System Analyst
 - Focuses on IS issues
 - Develop new ideas and suggestions for ways that IT can support and improve business
 - Helps design new business processes
 - Designs new information systems
 - Ensures all IS standards are maintained.
 - view the system as a whole and bridge the gap between IT and business
- Business Analyst
 - Focuses on business issues
 - identify the business value that the system will create.
 - Develops ideas for improving the business processes
 - Helps design new business processes and policies