



# Chapter-04

## **SYSTEM ANALYSIS**

# DEFINITION OF SYSTEM ANALYSIS

**System analysis** is the process of examining a business situation for the purpose of developing a system solution to a problem or devising improvements to such a situation .

In system analysis, the analyst conducts the following activities:

- ❖ Initial investigation
- ❖ Needs identification
- ❖ Determining the users information requirements
- ❖ Information gathering tools.

# Initial investigation

The initial investigation is the first step in the analysis phase of your project. It is the fact finding mission in which you aim to find out as much as you can about your user, the current problem and what the user needs from a computer system in order to give you as a picture as possible.

# Needs identification

The identification of a need is the system development life cycle. This is a users request to change improve, or enhance and existing system. Because there is likely to be a stream of such requests, standard procedures must be established to deal with them.

# DETERMINING THE USER'S INFORMATION REQUIREMENTS

Shared, complete and accurate information requirements are essential in building computer based information systems. Determining the information each user needs is a particularly difficult task. The usual approach is to ask the user what information is currently available and what information is required .

# INFORMATION GATHERING TOOLS

The main purpose of gathering information is to determine the information requirements of an organization. It's the analyst's responsibility to prepare a precise System Requirements Specifications(SRS), which is easily understood(SRS) by users, as SRS documents is a vital document before starting a project.



- Learning Goals:

- Strategy to gather information for computerization.
- Various sources of a information .
- Methods of searching for information.
- Methods of consensus for formulating requirements.

- INFORMATION GATHERING STRATEGIES

- INFORMATION SOURCES

- REVIEW OF LITRATURE, PROCIDURES AND FORMS.

- ON-SITE OBSEERVATIONS

- INTERVIEWS