DIMENSIONS OF INFORMATION

Information presented to the management is estimated to have its dimension in terms of cost, business and technical issues involved. Various dimensions of information systems are.

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Economic

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Business

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Technical

Economic Dimension

Economic dimension of information determines the cost involved in obtaining the information and the benefits that are derived from the information.

Business Dimension

The business dimension of the information is used to determine the relevance of information at various levels of management. The business dimension of information top-level management is totally different from the business dimension of information at lower level management. The difference in business dimension arises from the difference in the level and nature of work performed at various levels of management.

Technical Dimension

The technical dimension of information covers the technical aspects of information such as the volume of information to be stored in the database. It also undertakes the type of database that is used to store information in the database. The technical dimension covers the capacity of the database and the time required to retrieve information from the database

CONCEPTS RELATED TO SYSTEMS

There are various concepts related to a system that helps perform the operations of a system at a great comfort. These concepts also help in demarcating one system from another. Various types of system concepts are:

- **Boundary**
- **Interface**
- **Black box**
- **Decomposition**
- **Integration**

The boundary represents a hypothetical concept, which may or may not exist physically. The concept of boundary varies from one system to another. Consider an example of a production system where the boundary excludes raw materials and finished goods from the system.

Interface

Interface helps the users to interact with the system. Consider an example, where multiple sub systems integrate with each other to form a perfect system. In systems where multiple systems are involved, it is essential to determine the sub system that accepts the input from the environment.

Black Box

Black box is the term that is used in information systems to define the system whose transformations at the processing level are not defined by the system. In black box systems, the system is initialised with a predefined set of inputs and a certain outputs determined on the basis of ideal behaviour of the system

Decomposition

Decomposition of system defines the division of system into its various sub systems. The decomposition of system into its various sub systems allows you to perform complex tasks with greater ease

Integration

A system is decomposed into smaller systems for better management at the operational level. However, to achieve the common objective of an organisation, there is a need to integrate all the sub systems of an organisation.