

Information systems
to meet the
information needs of
different departments
of the...

[Technology](#), [Information Technology](#)



The paper "Information Systems to Meet the Information Needs of Different Departments of the Organization" is a great example of a term paper on information technology. Bagad (2009) argues that information is a very critical resource in an organization the reason being that both managers and employees need the information to enable them to perform their duties. The informational needs, however, vary from one organization to another. For instance, top managers may require information to help them in planning, while middle managers may require detailed information to assist them in monitoring and control of business activities. These informational needs call for a variety of information systems operating concurrently to meet the needs of an organization. This proposal highlights the various types of an information system that might work well for my chosen business. It will also highlight the pros and cons associated with the systems (Bagad, 2009).

Transaction Processing System

One of the information systems that are likely to fit in my business is the Transaction Processing Systems (TPSs). The reason being it will assist in the recording of data gathered at different points where the organization transacts business with other parties. Apart from recording transactions at different boundaries, it also records several transactions inside the organization. For instance, TPSs would greatly assist in the recording of the movement of parts from one manufacturing stage within the organization to another and from raw material to finished goods, which is a common feature of the business. The good thing about TPS is that the business would be able to have several of this information system such as systems for calculating tax payments and payrolls; billing systems to relay invoice to customers;

stock control systems for processing all material movements within out of, and into the business (Rainer and Cengielski, 2010).

The advantage associated with the system is that it is fast and takes very few seconds to record all transactions. The main disadvantage is that there are high chances of double booking.

Executive Support System

The business will also require an executive support system (ESS) to help the senior managers of the organization in planning. The reason for proposing this system is that it is capable of collecting, analyzing, as well as summarizing key external and internal information required by the business (Bagad, 2009).

Benefits of ESS include:

It improves the tracking of information

Increases efficiency to decision-makers

It filters information for management

Drawbacks

Too detailed and complex to use

Hard to keep current information

Its implementation requires a lot of costs which may be expensive for small businesses.

Supply Chain Management System

Based on the fact that my business involves the production of goods activities such as buying of raw materials, manufacturing, and assembling, shipping, packaging, marketing, collection, billing and after-sale-services, a supply chain management system is necessary. The reason being, SCMS is

capable of handling all supply data transactions right from the origin of every order, real-time inventory, and location assignments, as well as reorder quantities. It is also good for the business because it provides accurate calculation and analysis of inventory on hand and matching them with the orders and outgoing transactions thereby providing supply chain visibility for maximum management of stock (Rainer and Cengielski, 2010).

Benefits

Gives customer hassle-free and satisfactory order processing

It has reliable supply chain forecasting features

Provides efficient ordering, procurement, delivery and controlling functions

Has efficient electronic data interchange features

Drawbacks

The drawbacks associated with SCMS are that it is costly and complex to implement.

Decision Support System

The type of business will also require decision support systems (DSS) to assist management in decision making especially in situations where there is uncertainty about the likely outcomes of their decisions. DSS usually improves decision making speed and identification of negative trends leading to better allocation of business resources in an organization. It does this by analyzing data so that managers can use the information gathered for decision making (Rainer and Cengielski, 2010).

Benefits

Speeds up the decision-making process

Increases personal efficiency

Promotes training and learning

Improves competitive advantages over competitors

Assist in the automation of managerial processes

Speed up problem-solving

Promotes interpersonal communication.

Drawbacks

Implementation cost is generally high

Too detailed and hard to use

Office Automation System

Based on the structure of the business, it will be prudent also to introduce an office Automation System. This is because it will help improve workers' productivity who may need to process information and data. The reason being, OAS assists in collecting, storing and overseeing raw data storage, the electronic transfer of information and management of electronic organization data (OZ, 2008).

Benefits

Speeds up data retrieval

Reduces storage space

Increased efficiency

Drawbacks

Establishment and implementation cost is generally high

Fewer employees are required thereby leading to unemployment

Conclusion

Information is true, a vital resource for an organization since every worker, be it an employee of a lower cadre or senior manager needs the information

to enable them to perform their duties. This informational need can be satisfied by designing the right information system to the right employees. As for my chosen business, it will be in order to consider putting in place the Transaction processing System, Executive Support system, Supply Chain Management Systems, and Decision Support System and Office Automation System.