Improved Decision Making with Information Systems Assignment

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Information systems:

Walmart makes use of multiple information systems in order to stay a competitive company in its market.

Ex: Management Information Systems, Decision Support Systems, and Transaction Processing Systems

Each system is implemented in order to make processes easier to manage and to gather data that can be used to improve processes. This improves the customers' experience when interacting with Walmart as well as improving the backend.

Management Information System (MIS):

This system makes it easier for managers to make informed decisions on the market and to make educated operational decisions.

Can show what items are selling/trending at certain times.

Inform management on what prices products should be.

MIS is useful in trying to track customer spending patterns. This can aid in reaching a supply and demand balance. Decreasing the likelihood that items go unsold or are overproduced. At the same time placing items at the forefront that are trending to achieve more sales.

Transaction Processing System (TPS):

TPS is used in order to automate the massive amounts of transactions that are conducted across their stores. TPS organizes the transactions that take place making it easier to see what items are selling.

This can also be helpful in knowing what items are going to need to be restocked and produced.

TPS also makes supply chains operate more efficiently

Decision Support System (DSS):

Similar to MIS this further gives data that supports the decision-making process within the business.

The data collected can help managers make highly informed decisions based on data that has been collected over time. Giving Walmart a competitive edge over other competitors that aren't able to do this as efficiently.

The Benefits of Using Information Systems

Better pricing- using data to see what items are selling and what items aren't. This can help determine if the prices of items should be changed. This can ensure that items get sold based on whether customers are buying the items at a certain price. Additionally, offers the ability to check what the items have been sold for in the past and at other companies.

Reduce cost- Using information systems can reduce cost by analyzing data to determine what items are being overproduced/ what items are not selling.

The Benefits of Using Information Systems

More efficient supply chain - Prevents overproduction and prevents stores from receiving an abundant amount of products that they can't sell. Makes sure that stores are stocked based on data of sales at each store.

Educated decisions - Using the data that is collected and presented to higher-ups they can make more informed decisions. This can be about prices or determining what stores are performing well. Allows higher-ups to have data to back their decisions rather than making changes without anything to back them.