

MANAGEMENT INFORMATION SYSTEMS PLAY AN IMPORTANT ROLE IN COMPANIES

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Abstract

This research aims to find out that management information systems play an important role in companies that have progressed to become an important part of the company or organization. Apart from that, management systems play an important role in business, in an organization or company it will not run smoothly if there is no proper information. Information systems with the aim of increasing productivity and effectiveness. This research also uses qualitative research methods to understand research procedures by utilizing descriptive data in the form of written or oral statements. Information systems are a collection of methods that can make companies more competitive and get better information to make decisions. Management information systems play an important role in the dissemination of data within a business. Information for business does not only come from within the organization but also from outside. The creation of management information systems makes it easier to meet the information needs of organizational decision makers and other users. Human work can be replaced by technological advances. As a result, a secretary must continue to learn to understand technology which greatly helps organizations in their operations. Information is an important element that must be addressed immediately. Companies need accurate information to make decisions and find solutions to problems.

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I. Introduction

The role of information in human life is very important. Information can be both useful and dangerous. Organizations can suffer from inaccurate or unclear information, whereas clear information will generate benefits. Information plays an important role in daily activities. Likewise, if an organization does not have adequate information, its operations will not run smoothly. To keep up with increasingly advanced developments, technology is also increasingly advanced. The term “management information system” also emerged as a result of technological advances. This system really determines the flow of information within the organization. Every employee in the company can find and obtain information easily thanks to this system. This system development is useful for meeting the information needs of each functional unit at all levels of the organization. Organizational plans differ at each level. Each information need is met by this management information system. In addition, this system can help organizations provide information to solve problems. This system helps in problem solving by providing the information necessary to make good decisions. The development of this management information system provides great support to meet the information needs of decision makers and other users in the organization. The development of this technology provides a new awareness within organizations – awareness that implementing this system in the world of work is very important. The main aim of implementing this system is to obtain perfect information and assist managers in making decisions.

II. Research Method

Research Framework

This research uses qualitative methods to understand research procedures by utilizing descriptive data in the form of written or verbal statements made by the people or actors being observed.

Method of Collecting Data

The data in this research is based on observations of data that has been observed by obtaining data sources in the form of activities or phenomena.

Data Collection Technique

This research collects data using observation techniques to solve research problems by searching for information and observations in the form of activities, events and so on.

Data Analysis Technique

This research uses data analysis techniques such as analysis, interpretation, and triangulation to arrive at a conclusion using this analysis method.

Using software for problem tracking, the management information system fulfills its function. At this point, activities look for opportunities and problems in the organization's internal and external environment by filtering them. According to Mahyuzir (2004), management requires the following components in order to identify opportunities or problems related to information systems:

1. The database consists of:

- a. community database;
 - b. environmental database;
 - c. competitive environment database; And
 - d. organization's internal database
2. Search and processing, which includes:
- a. a custom structured search
 - b. ongoing structured search
 - c. unstructured unique search; Management information systems must specifically be able to provide direct feedback on data to perform unstructured searches.
3. Reports that include:
- a. direct output to software at the design stage;
 - b. design decision statement;
 - c. a statement regarding the decision-making steps that must be taken;
 - d. statements of potential solutions or opportunities without indicators of future action. During the problem-solving stage, opportunities and problems will be identified, which will initiate the next stage of analysis and decision making.

III. Results

The Role Of Management Information Systems In Decision Design

Designing the decision role of a management information system, as stated by Kristanto (2006), involves the use of software to facilitate the following activities:

1. Software for modeling situations is software that helps people understand problems. Software for statistical and regression analysis, simple correlation, and sample selection, for example, is available.
2. Feature analysis software is supported by:
 - Software as a tool for creating solutions and models
 - in-house developed software for retrieving databaseBoth these software are useful for generating concepts to solve current problems.
3. Software for comparing various models developed with the existing database in this information system is software for completing feasibility tests.

The Role of Management Information Systems in Selection Decisions

The existence of a decision model that can be used to develop alternatives based on established criteria shows the role that management information systems play at the stage of selecting alternative methods for solving problems. At this point, statistical tools and analysis decision models, sensitivity analysis, and selection procedures provide support. In addition, the arrangement of alternatives presented is used by decision makers to select the final solution.

In conclusion, McLeod and Schell (2004) stated that the supporting components of management information for decision making are as follows:

1. Comprehensive basic capabilities for retrieving data from databases

2. software
3. software for work
4. statistics and analytics
5. basic model that includes software for:
 - a. a development model
 - b. decision model
 - c. decision support

IV. Discussion

People want their needs to be met quickly due to technological advances. Poor transfer and exchange of information will occur. People who do not get information on time will be left behind by others. Likewise with business. Information is an important element that must be addressed immediately. Companies need accurate information to make decisions and find solutions to problems. Information requirements vary depending on the level of management. To achieve this, we need a system that makes it easy for managers to store and find the required data. The term "management information system" emerged along with the development of technology, especially computers. Organizations can effectively meet the various information needs of every level of management thanks to this system.

This information system is then defined as a collection of interconnected subsystems that are combined into one unit, interact and work together in a certain way to carry out data processing functions, receive input in the form of words and process them, produce output in the form of information as a basis for making useful decisions and has real value that can be felt as a result both at that time and in the future, supports operational, managerial and organizational activities, and utilizes various existing and existing resources. available for function This system is a collection of systems designed to make the collection, storage, and retrieval of information easier for management. To make it easier for users to find the information they need, the data that has been entered into this system will be stored neatly.

Information for business does not only come from within the organization but also from outside. Companies usually store information in the form of data when they store it. This system will ensure the security of this data. Management information systems help managers in problem solving, design creation, understanding, and selecting appropriate solutions during decision making. Decision making will be simple thanks to the data in this system.

When seeking to understand a problem, the system looks for opportunities and problems in the organization's internal and external environment by filtering them. When designing a solution to a problem, these systems try to use software to help understand the problem by creating a simulation model. this stage, the software also helps find solutions, and in the final stage, the software helps test whether the problem can be solved or not.

Decision models that can be used to develop existing alternatives based on established

criteria show the role that management information systems play in the problem-solving phase. At this point, statistical and analytical tools decision models, sensitivity analysis, and selection procedures provide support. selection procedures, analysis and sensitivity analysis. Managers only need to choose the best solution because this system has provided these alternatives, making it easier for them to make decisions.

V. Conclusion

New knowledge is also emerging at a greater rate with the development of the current era. The availability of cutting-edge technology is proof of this development. The existence of a management information system that helps businesses in making decisions is one thing that can be observed. Tracking issues is made possible by this system, which also helps select actions and test their feasibility. The creation of this technology has the potential to replace human jobs. As a result, a secretary must continuously learn to understand technology, which greatly helps organizations in their operations.

VI. Reference

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