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Management of Information Systems

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Management of Information Systems

Technology advancement has changed everything in the world, from how people play, work, and operate their business. While business operations handle diverse information, technology has eased data collection and analysis hence increasing the speed with which managers make informed decisions. Moreover, in business operations, different information systems have been developed to cater to diverse activities. Despite these computer-based systems leading to the development of e-business, managers must consider several factors that will enhance the management and operation of these systems. This paper will focus on factors to be considered by companies in the support and management of information systems as well as the challenges and opportunities managers face in achieving business goals while managing the information systems.

Considerations for Support and Management of Information Systems

Business operations have changed due to technological advancement. Currently, the use of e-business has supported the use of information systems in business. E-business has resulted in people performing their business operations in the house through a company's network. Examples of e-business operating today include email marketing and human resource online tools such as online job boards and systems that gather and maintain employee data (Kollmann, 2019). Therefore, the information system involves a unified set of workings for gathering, storing, and processing data and providing acquaintance and information. Notably, companies should develop consideration to support the information systems because of the vast benefits, including management of their operations, relations with suppliers and customers, and gaining competitive advantage.

Moreover, companies need to create support for an information system by focusing on the current state of information management to avoid failure of the implementation system. The evaluation of the organization's current process will enable information technology experts to develop viable systems that will help the company. Also, providing enough resources, such as setting up the system's budget, will allow easy development of a system full of the required features (Cassidy, 2016). Communication with the employees about the adoption of technology plays a critical role in the success of implementing the information system because those are the individuals who will be using the system. Other support of the information system includes continuous advertisement, development, collecting feedback on how the system operates as well as getting views about the system from both customers and employees (Cassidy, 2016). This will allow the company to adjust the information system based on changes as well as evolving requirements.

Information system management in the organization plays a vital role in the success of the system and the fulfillment of the intended purpose of the system. Therefore, companies need to consider several things during the management of the information system to avoid issues such as overwhelming data breaches and government authorizations. By developing a strong administrative structure that will manage the system's complexity, management will be done well. Several steps need to follow when developing a supremacy structure. The first step is to create organizational values for the company since it will be the foundation of the information system's development. The next step is to interpret the procedures to the information system so that the system's management follows the exact guidelines developed. Besides, to get the best management team, companies need to join members from different organization dimensions, including senior members of the firm, authorized and essential business connections of the firm,

and individuals representing the information technology experts (Pearlson et al., 2019). While different divisions use the information system in the organizations, the company needs to include all the divisions in the management of the system as well as building the relationship. The divisions involved include human resources, communications, marketing, accounting, and public relations.

Challenges and Opportunities Managers Face During the Management of the Information System

The implementation of information systems was due to ease of business operations and quick attainment of the goals. However, managers are faced with many challenges when managing these information systems and technologies to meet business goals. One of the challenges is attracting and retaining talented employees (Laudon & Laudon, 2015). For the past few years, information technology has encountered significant growth hence outpacing the number of individuals entering the field. As a result, company managers have encountered a problem getting individuals who are skilled enough to manage information systems and technologies. Similarly, most of the technological expertise required includes database administrators, information technology managers, programmers, and developers (Peppard & Ward, 2016). Despite many organizations moving to cloud software, a shortage of talented employees continues to impact business operations because a lack of information technology experts that will control the technology applications will lead to delays or failure to achieve business goals.

Another challenge employees are facing is keeping up with the new technology. Change is a critical aspect of the technology field; thus, the information systems being used now will not be the same as those to be used in the next ten years. Hence, managers need to keep on

upgrading to the new systems or even replace the software application to remain competitive in the market and achieve their goals efficiently. This process makes company managers undergo a lot of spending because they will need to invest in new information systems. Besides, managers need to educate and inform their employees to adjust to the current system (Laudon & Laudon, 2015). For instance, moving from the traditional system, there was a need to train employees to enable them to adjust from a paper-based model to computers. For that reason, to allow managers to be more productive, there will be a need to train them again or provide with required resources.

On the other hand, despite the many challenges accompanied by the management of information systems, they also come with opportunities. One of the opportunities is having real-time data since all organizations' divisions are integrated, making all data up to date. Furthermore, the integration of systems eliminates paperwork, which might result in the duplication of data, leading to errors (Peppard & Ward, 2016). This information is critical in the decision-making process. Making informed decisions is very important because they can either break or make organizations. Additionally, having information systems allows accessible communication among employees and customers, which provides a competitive advantage to the company (Peppard & Ward, 2016). Customers will be attracted through efficient business operations due to accessible collection and access to recent information and having an inclusive company data.

In summary, having focused on factors to be considered by companies in the support and management of information systems as well as the challenges and opportunities managers face in achieving business goals while managing the information systems, it is evident that the management of information systems is a critical task in every company because traditional

business operations are fading away due to the emergence of e-business. Therefore, companies need to consider factors such as employees, resources, and financial requirements to manage the system efficiently. Similarly, company managers are faced with extreme challenges in managing information systems and technologies towards achieving business goals. Some of the challenges faced include getting talented employees and retaining them and keeping up with new technology because of the ever-changing nature of software applications and related technologies. Notably, the information systems also have opportunities accompanied by them, including having real-time and up-to-date data for easy decision-making and seamless communication, and efficient business operations, providing a competitive advantage.

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