

Education Management Information System and Digital Transformation

Maulana Malik Ibrohim, Dian Hidayati

Ahmad Dahlan University, Indonesia

Abstract

In this paper, the idea of education management information systems and how they relate to digital transformation will be discussed. It is very important for educational institutions to develop a management information system (MIS). Important to implement as far as administrative needs and people's needs demand, administrative data frameworks provide precise and ideal data that are expected to work with direction and critical thinking that empowers the implementation of arrangements, controls and functional capabilities to actually run. Qualitative descriptive methods are used in scientific writing. The study shows that the development and management of an organization's driver's license can effectively and efficiently result in decisions that are not only quick and accurate but also in line with organizational best practices. Data has become an important asset for keeping an eye on associations today. Literature review is used in this research method. The results in this paper find that essential contemplation and dynamic methodology in instructive authority are excellent and fit the hypothesis.

INTRODUCTION

Patterns of decision-making by management at the operational level, technical implementers, and leaders at all levels, as well as by management information systems, have changed significantly. The decision-making role of managers has also changed as a result of these developments. They are required to always get the most accurate data for decision-making purposes.

Management patterns, especially in the field of coaching, are administrative exercises that are basically dynamic cycles and these exercises require data. A management information system (MIS) provides managers, including education managers, with the data they need. In particular, systems that regularly provide information to managers. Monitoring and evaluation of activities and expected results are based on these data. Dr. Murniati AR, M.P., and Dr. Nasir Usman, M.P., emphasized that vocational education has a direct relationship with the industrialization cycle, especially in terms of its ability to meet the needs of a skilled and reliable workforce. strength and have fantasies of serious concern for weighty new developments.

For this situation, the Administration Data Framework (MIS) greatly assists students in completing industrialization with handling. Students will find it easier to find out about their school if they have a driver's license. Leadership

Information Structure Preparation is a combination of HR application and information development to select, store, process and recover data to help the dynamic cycle in the school area. This is information that can be legitimate as exact information or real or real information. Educational institution pioneers can use PC-managed information as educational information to help improve and navigate programs, and influence IT progress to further develop executive learning and education

Management Information System (MIS) is very helpful for students in completing the industrialization process. With a driver's license, students will find it easier to obtain information about the school where they study. The Training The Executives Data Framework is a blend of HR applications and data innovation to select, store, process, and recover information to help dynamic cycles in school areas. These are data that can be justified as empirical data or actual data or facts. Leaders of educational institutions can use computer-processed data as educational data to support program development and decision-making, and leverage IT advances to improve learning and education management.

The principal basically processes information. Because one of his duties as a resource person. At first, instructive innovation was seen only as part of the implementation of educational programs in the classroom. While the new origination that will be used requires

instructive innovation as information even from the stage of preparing educational programs. Thus, the type of educational innovation to be applied must be considered since the preparation of educational programs. Innovation decisions in schooling will open up opportunities for the introduction of new types of selected organizations that provide learning positions. The development of the rules for the use of innovation in schools, among others: must be maintained in similarity with existing institutions and innovations, can encourage the progress of innovation and science, and can encourage efforts to work on the nature of schooling. self. Consequently, with the use of innovation in training with everything in mind, there will be a major shift in educational and learning communication between learning assets and learning entertainers.

RESEARCH METHODS

In this study using a literature study research approach. Literature studies in this study data were collected based on literature reviews from journals, books and reinforced using observation. All data collected is then arranged in such a way that draws conclusions

RESULTS OF RESEARCH AND DISCUSSION

Basic Concepts of Management Information Systems

According to Murdick that (2019: 102), a Management Information System (MIS) is a group of people, a set of guidelines, and instructions for data processing equipment (a set of elements), selecting, storing, processing, and retrieving data (operating data and goods) to reduce uncertainty in decision making (seeking common goals) by generating time-based information for managers to use most effectively. According to Wahyudi Kumorotomo & Subando Agus Margono (2001), SIM is a data processing system that will be used by an organization. Most people think of computer systems when they hear the word SIM. Regarding the driver's license, it existed before

the creation of computers. The use of the term driver's license in the literature is not comparable. Management Information Systems, Management Information Systems, Information Processing Systems, or Information Systems alone are all synonymous with SIM in English. Given the assessment of some specialists as mentioned above, it is quite possible to consider that the notion of driver's license is a framework expected by an association to provide significant data to achieve hierarchical goals.

Transformation System in SIM for Education Management Needs

The turn of events and the current framework board require contributions from many groups within the organization, compared to their work and inclusion in the past. With the increasing trend of associations with sophisticated innovations, including educational associations, data frameworks within associations can include a wider reach to the general public, other government organizations, and even data on recent political events. One of the reasons why data frameworks play such a large and powerful role in the association is because of the larger capacity of PC technology and the lower cost of using this PC technology.

Further developed capacity has resulted in areas of strength for organizations that associations can use to get data quickly from Various territory in the country and to control activities that are not limited to existence. The acumen and form of activity of the organization have changed as a result of such networks. The most widespread and largest organization used is the web.

The Internet is used by almost everyone in the world, whether they work in science, education, government, or business to exchange information or run a business. The use of the internet makes it easy to process and disseminate information on education-related topics in the field of education.

Information System Problems in Education

According to Reisnic (2022: 97), when people think of school and BELAAR, They generally have questions about what information is generally important to learn? How do instructors transfer information to students in the most effective way? In addition, what is the most effective way to convey information that is easy to understand?

Meanwhile, according to Karsidi (2020: 188), the most pressing issues facing Indonesian education are improving its quality, ensuring that all students have access to educational opportunities, and ensuring that education is relevant to national development. This issue requires a solution other than the one that is being used. It is generally expected that the utilization of information systems in education can achieve the following: a) have the option to disseminate data generally, consistently and quickly. (b) may assist, supplement and replace instructor duties as necessary. (c) be able to uphold local learning exercises and receive local support. (d) can expand various resources and open doors to learning potential. (e) can make learning more interesting. f) can save costs

The role of SIM in the decision-making of the field of education

When instructions obtain them and have information to act, the instructive organization is expected to make decisions about accessible capacity and liability towards choices taken with predetermined techniques. At a basic level, the head of the instructive foundation always seeks wise behavior in action. However, due to the limitations of the leader's cognitive abilities, information, and values, it is necessary to obtain information regarding alternative options and the associated consequences. Alternatives are chosen, and the results are viewed, so that it is clear whether the goal is achieved or the result is achieved. This interaction is the step that begins to arrive at a decision that leads to other options.

For rational decisions to be complete, educational institutions must have the ability to collect and process appropriate information online. The limits of instructive associations are usually covered by planning and implementing

rules and schedules by improving and directing objective decisions on how to behave. Furthermore, the way of behaving remains predictable and highly planned

The Influence of Digital Transformation in the World of Education

Education in building and framing human resources as a whole. Education is believed to be able to produce quality and civilized human resources. Therefore, the world of education must be able to adapt to the times, especially with ongoing technological changes, both teachers and students must be able to adjust in order to be appropriate and fair. As a pioneer of national progress, education must blend with the times and components of the modern world or must be able to adjust to the demands of the times. Of course, this must be resolved in order to answer the elements of such rapid progress. In order for a nation to adapt to change and lead the country in a better direction, it must be able to provide the best education to the next generation. Tremendous progress can help adjust to the increase in automatic change currently taking place in the preparation room. Rule development will definitely work with developing experience and can help dispel the idea of teaching. Therefore, modernized changes significantly affect the improvement of the universe of instructions and the idea of actual arrangement.

Therefore, in today's advanced era, it is very important to understand and implement the smart use of innovation as an effort to adapt to computerized changes, especially during the ongoing pandemic and amid demand and rapid mechanical improvements which certainly greatly affect the nature of training. in time of ongoing disruption. Ini. Humans seem to be encouraged to continue to develop their skills in order to follow the progress brought by the ongoing industrial revolution. This is what underlies the advanced changes to various everyday problems including school. The school universe is a world that allows things to happen, specifically personal change, information, character building, and one's ability to create.

Learning media has become more diverse as a result of digital transformation, making it easier for educators to access the content they need to teach and making it easier to apply the basic skills in question.

Schools also need to continue to adapt in order to compete in the industrial world, so that the application of digital transformation in education is also a form of habituation of students to technology that will continue to advance in the future. So it can be said that education is not only about the substance of the material provided, but also about increasing the potential and adjustment of students to new things that will be faced when they enter society.

CONCLUSION

The conclusion of this paper is that Administration Data Framework (MIS) is a development of data frameworks that are usually used by formal hierarchical substances, organizations, etc., which are computer-based and have the ability to transform data into series. The data is in line with the manager's expectations. An organization or business might use a driver's license as information to make decisions. There are additional terms for SIM, such as "Data Framework", "Data Handling Framework", "Data Framework and Independent direction". Data can make it easier for organizations to know what has happened before, now, and in the future. This data can be accessed as occasional reports, exceptional reports, and results from numerical models.

Executive data frameworks (MIS) can designate association or organization data that sometimes does not conform to ideal requirements or data that is stirred up within the organization or association. Management based on systemic information, perfect data processing with advanced tools, and system troubleshooting are the goals of management information systems (MIS). This is the purpose of MIS

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BIBLIOGRAPHY

- Adisel (2020). Kerangka Data Pembelajaran Dewan. Penyelarasan: Bee, R., dan Bee, F., 1999: Jurnal Administrasi dan Manajemen Pendidikan, 2(2), 105-110. <https://doi.org/10.31539/alignment.v2i2.900>
- Mengawasi Data dan Wawasan. Trowbridge: Cromwell Press.
- Anastasia Lipursari. (2013). 'Tugas Pelaksana Data Frameworks (MIS) di Bidang Navigasi,' Buku Harian STIE Semarang, 5 (1). 26-37
- Fibriany, F.W. (2016). Implementasi sistem informasi manajemen dalam proses pengambilan keputusan departemen SDM. Buku Harian Kemanusiaan Skyline, 16(2).
- H. A. Simon (1984): Menetapkan Pilihan Administrasi: Pekerjaan insting dan perasaan, Landasan pimpinan dewan, 1(1). B. S. Sulasmono, hlm. 57-64 Pemecahan Masalah: Arti Penting, Definisi, dan Varietas. 155-166, Satya Widya, 28(2).
- Najamudin, M. (2016). Lembaga pendidikan Islam dapat menggunakan sistem informasi manajemen untuk mengambil keputusan. 104-122, TADARUS, 5(1).
- Ottih, L. O. (1995): Sistem Informasi untuk Manajemen: Metodologi terpadu New African mendistribusikan Co. Owerri Ltd.
- Palumbo. D.B. (1990). Bahasa Pemrograman/Pemikiran kritis Eksplorasi: Memeriksa isu-isu

terkait. Audit Eksplorasi
Instruktif; musim semi. Vol. 60
(1), hlm 65 –89.

Thadi, R. (2020). Peninjauan Korespondensi
Ikatan Bantuan Ilmiah di IAIN
Bengkulu. 23(1) dari Jurnal Riset
Komunikasi