EDUCATION MANAGEMENT SYSTEMS

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Abstract - The higher education system strives to make every possible aspect of study better by incorporating technology and digitalization into the process. As we all move towards personalization and user experience, the education industry can do the same by implementing learning management systems for various schools and programs in school. In this age where knowledge comes to the fore, the importance of knowledge is emphasized once again and the education system can use student knowledge to become more effective and enrich the body. However, this is only possible if the data is stored in a unified manner.

The concept of e-learning is not new in education. However, the COVID-19 pandemic has increased the need for schools to support technology systems to support learning. The need for schools to use online platforms to provide solutions to their students is increasing as the pros outweigh the cons. Simply put, e-learning is learning or teaching through digital resources such as software programmers, mobile devices, and the Internet.

Key Words: support technology, e-learning optics, digitalization, software programmers, mobile devices

1.INTRODUCTION

People's activities have changed dramatically since computers entered people's daily lives. Education is not immune to this phenomenon. Many forms of e-learning have been developed using the Internet and other technologies. Alkhattabi, Neagu, and Cullen (2010) argue that this model improves teaching and learning in universities, especially in developing countries. Researchers such as (Hansson et al., 2009; Alexander, 2001) have explained the role of information and communication technology (ICT) in improving the quality of education. There are many factors that can contribute to the success of computer-assisted instruction. Among these factors, the interest and positive attitude of teachers and students in a new information technology teaching method is one of the most important (Alhomod and Shafi, 2013; Sela and Sivan, 2009). When fully implemented, ICT will have a positive impact on the implementation of online learning in higher education, such as the thesis process. When implemented well, information technology improves the quality of final documents submitted by undergraduate, master's and doctoral students (Aghaee and Hansson, 2013).

Many colleges and universities in developing countries, especially Rwanda, still have teaching and learning systems that lack IT support (Sife, Lwoga, and Sanga, 2007; Rubagiza, Were, and Sutherland, 2011). In addition, e-learning technology has been used in higher education for many years, but some of it cannot meet the needs (Guri-Rosenblit, 2005). Academics and others in the Rwandan community also say the quality of these papers from undergraduate and graduate students is not good. This problem arises especially from the fact that, according to higher education policy, the state wants research to improve people's lives. The reasons for the poor performance of research students are thought to be a lack of basic resources for students and supervisors, less time for supervisor-to-supervisor supervision, and a lack of protection against plagiarism (Hansson et al., 2009).

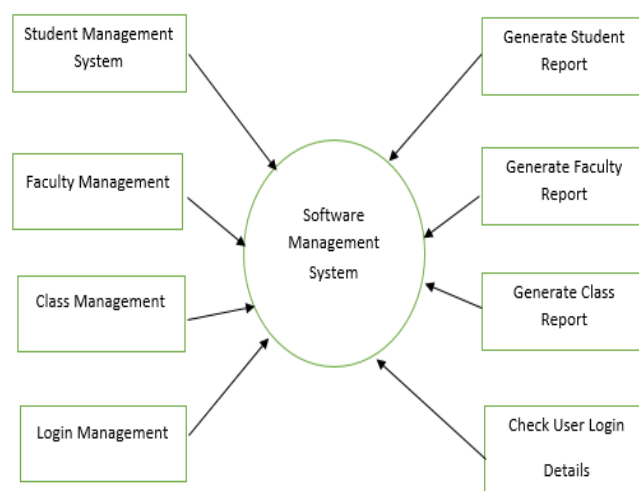## 2. METHODOLOGY

Following method are using for proposed work,

Fig 1 : Block diagram "Activity Diagram For Advance Education System"

E-learning exploits Web technology as its basic technical infrastructure to deliver knowledge. As the current trend of academic and industrial realities is to increase the use of e-learning, in the near future a higher demand of technology support is expected. In particular, software tools supporting the critical task of instruction design should provide automated support for the analysis, design, documentation, implementation, and deployment of instruction via Web. Where as individuals working alone online tended to be less motivated, perceive lower levels of learning, and score lower on the test of mastery. In CSCL, researchers usually distinguish two types of interactions between learner- tutor and learner- learner. The first one, synchronous interaction, requires that all participants of interaction are online at the same time. Examples include Internet voice telephone, video teleconferencing, text-based chat systems, instant messaging systems, text-based virtual learning environments, graphical virtual reality environments, and net based virtual auditorium or lecture room systems. Synchronous interaction promotes faster

problem solving, scheduling and decision making, and provides increased opportunities for developing.

3. LITERATURE REVIEW

YU Hai-jie[1]

In research on the effectiveness of e-learning, some reasons for e-learning students' dissatisfaction have been investigated. This study surveyed 424 college students to obtain their feedback on the effectiveness of e-learning. The report's findings show that motivation and focus on learning are important factors that influence e-learning goals and effectiveness. Individual performance alone is the determinant of results. However, the study did not provide data to demonstrate this limitation and provide evidence in the survey or case study. Learning management for healthcare systems can also be used to target teachers and students.

Toshiyuki Yasui [2]

In this study have mentioned different types of education where e-learning can benefit health and education in remote areas. Increasing digital literacy and the need for e-learning infrastructure are considered good measures to achieve e-learning goals. However, this study did not use multiple tests or analytical tools to validate the reported results.

Mr. Andrew [3]

This study sought to explore the relationship between e-learning and student empowerment. This study used a survey to which university students responded and used various methods, such as interpersonal relationships, to understand the effects of research and create relationships between different variables and different types of research. The findings show that e-learning has a positive impact on student motivation. However, this study has many limitations due to being in a school and not using interviews; therefore, the findings are not supported by actual evidence from face-to-face interviews or international audiences.

Mo Mansouri [4]

This study shows various factors that make e-learning effective in terms of disseminating knowledge. According to the report, one of the features that make e-learning suitable for the changing environment, especially in developed countries, due to the change in technology, is that the cost of course changes is low and course changes can be made quickly.

Martin Mabeifam [5]

In this paper they manage teacher management and student management.

Muhammad Ali Khan [6]

In this paper they are used this software for To identify the information technology facilities available in the schools.

Yanti Tjong [7]

In this paper they built Learning material repository and easy access to references, Online Assessment announcement.

3. CONCLUSIONS

1) Lack of data arrangement that is record by using manual system and using a lot of paper to record the student information, student result and performance
2) The manual system is hard to search and update about the student information, result and performance.
3) The manual system is not providing the security of the academic information that might be lost.

REFERENCES

1. [1] Toshiyuki Yasui , Seiko Shirasaka, and Takashi Maeno," Systems Analysis of SDM Graduate Schools" 014 IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) October 8-11, 2014. Qingdao, China.

[2] Kun Liua , Jinmin Jiangb , Xiaohan Dingc , Hui Sund," Design and Development of Management Information System for Research Project Process Based on Front-end and Back-end Separation" 2017 International Conference on Computing Intelligence and Information System

[3] Yuanhui Guan1 ,Weihua shi2, Desheng Wu ," The Design and Development of A School File Management System for Standardized" 2012 International Conference on Computer Science and Electronics Engineering School of Management Science and Information EngineeringJilin University of Finance and Economics Changchun 130117, China.

[4] YU Hai-jie, LI Xiang-yang," Enterprise Software System Development Based on Management Pattern Components", School of Management, Harbin Institute of Technology, P.R.China, 150001

[5] Toshiyuki Yasui,Seiko Shirasaka, and Takashi Maeno," Establishment of school database management system based on VB and MapX." 2014 IEEE 17th International Conference on Intelligent Transportation Systems (ITSC) October 8-11, 2014. Qingdao, China

[6] Mr. Andrew Kinder, Prof. Michael Henshaw, Prof. Carys Siemieniuch," A Model Based Approach to System of Systems Risk Management". 2015 10th System of Systems Engineering Conference (SoSE)

[7]Mo Mansouri, Brian Sauser," A Typology-based Approach to Adopting Effective Management Styles for Enterprise Systems". 2010 IEEE International Systems Conference.

[8] Martin Mabeifam Ujakpa; Mutalya N. Mutalya; Jude Osakwe; Gloria Iyawa; Emilia N. Shililifa," School Management Information System (SMIS) for the Elite College". 18 August ©2022 IEEE

[9] Muhammad Ali Khan Nagar1 , Liaquat Ali Rahoo 2 , Hafiz Abdur Rehman3 Sadia Arshad," Education Management Information Systems in the Primary Schools of Sindh a case study of Hyderabad Division" 2018 IEEE 5th International Conference on Engineering Technologies & Applied Sciences, 22- 23 Nov 2018, Bangkok Thailand

[10] Yanti Tjong, Lianna Sugandi, Alifah Nurshafita, Yulia Magdalena, Clara Evelyn, Novita Sari Yosieto," User Satisfaction Factors on Learning Management Systems Usage" 978-1-5386-5821-5/18/$31.00 ©2018 IEEE 3-5 September 2018, Bina Nusantara University, Jakarta, Indonesia 2018 International

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