

DIGITAL ERA - OPPOTUNITIES AND CHALLENGES

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With the continuous development of technology, digital transformation is the trend of society especially in education. The application of technology in education plays a huge role creating a turning point in the development of education and many new, smarter, more effective and cost-saving educational methods as well. Today, the trend of digital transformation in education has had a profound impact on people.

1. What is Digital Transformation?

Digital transformation is "a change in the way an organization operates to improve the quality of products and services by exploiting the application of technology and data". For higher education, this goal is to improve the effectiveness of governance, improve the quality of training, and serve the development of the country. In essence, digital transformation does not change the core values or model of a higher education institution, but transforms core operations through technology and digital platforms, and seizes opportunities that they bring. In other words, digital transformation is the intersection between technology and training strategy.

Currently, digital conversion applications are applied in three main forms:

- o Technology application in teaching, learning, testing and assessment including digital chemistry materials (electronic textbooks, electronic lectures, e-learning lecture warehouse, multiple choice question bank), digital library, virtual laboratories, deploying online training systems, building virtual universities (cyber universities).

- o Technology application in management: digitizing management information, creating interconnected large database systems, deploying online public services, applying 4.0 Technologies (AI, blockchain, analytics, etc.) data analysis, ..) to manage, operate, forecast, support decision making quickly and accurately

- o Technology application in the classroom: Teaching tools, facilities

2. The situation of digital transformation in Sao do University

In the face of the strong digital transformation trend in the world in general and Vietnam in particular, Saodo University has quickly transformed, turning challenges into opportunities for development, defining transformation as an inevitable way to the future of education. The school has gradually invested and developed supporting platforms for professional and academic activities in the system. A training management system has been built and operated on a school-wide scale allowing learners to know the training program framework, students to register for courses, view class schedules,

view study results, and pay tuition fees. online, digitizing multiple-choice question banks and online multiple-choice exams, e-learning lectures... However, network infrastructure, IT equipment (such as computers, cameras, printers, scanners), transmission lines, Internet services) are not synchronized, still fragmented and not connected in the whole system.

- The problem of building digital learning materials such as e-books, e-libraries, e-lectures, e-learning software, simulation application software, scientific research topics have not been done much. really support in administration and management and have not met the needs of learners during the COVID-19 pandemic.

3. Some general solutions to promote digital transformation in Sao do University

1. It is necessary to raise awareness for lecturers and school administrators to understand the importance of digital transformation.

2. Complete synchronous network infrastructure, practical information technology equipment for teaching - learning,

3. Promote the development of digital learning materials (for teaching - learning, testing, assessment, reference, scientific research), forming a digital data warehouse, open shared learning materials, international linkages, meet the needs of self-study, lifelong learning,

4. Deploy an educational social network with unified control and orientation, creating a digital environment for connection and sharing among schools, families, teachers, lecturers, and students; develop online courses.

5. Train and foster a contingent of managers and teachers with the necessary IT knowledge and skills to operate in the digital environment and meet the requirements of digital transformation.

6. Strengthen international cooperation and integration in training. International cooperation and integration create opportunities for students to participate in exchange programs or study abroad and have the freedom to develop personally.

Digital transformation in education is a process of changing the method of carrying out traditional education with a modern educational method, including facilities and educational methods, teaching methods, management methods, etc. educational philosophy, making the most of technology towards a high-quality education. Therefore, implementing a reasonable digital transformation to quickly improve the quality and effectiveness of training is very important for the University in the current period.