

THE HIGHER EDUCATION IN DIGITAL WORLD

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ABSTRACT :

New emerging digital technologies such as artificial intelligence, virtual reality, augmented reality, cloud computing, blockchain, robotization the internet of things big data etc. have produced a powerful disruptive effect in almost all areas of our existence and have radically changed the way we live we work learn or relax. Without consciously realizing it, everyone is adapting to the digital era. As nothing 'escape' the all encompassing digital transformation, higher education follows track too. Higher education Institutions are going through major changes in their education and operations. several influences are driving their major changes. Digital transformation, online courses, digital- Navy students, operational cost and micro and nano degrees are just some examples of these influences. Instead of using open and paper students now a days use various software and tools to create presentation and project when compared to a stack of notebooks, and iPad is relatively light. when opposed to weight book suffering an e book is easier. This method increasing interest in research. This paper is brief about the need for Digital technology in education and discuss major applications and challenges in education.

KEYWORDS: *Digital technology, digital classroom, education, students and techniques*

Introduction: -

In the second decade of the 21st century higher education institutions have witnessed a digital transformation. it is a fundamental and required procedure for companies that prefer to be leaders of transition and be highly competitive India industry. Along with the development of digital technology digital platform Have become essential tools for human survival in areas such as communication support product manufacturing process support and the seamless provision of service free from the limitations previously imposed by different time zone and countries. The internet is a prime example– anyone can use the internet to exchange and find information anytime and anywhere. as a result, it has become a basic necessity for everyone living in the present era. It is also the main reason why Google, Microsoft open content alliance and other large companies are investing heavily and working closely with libraries to digitize printed sources. Digital transformation involves the conversation of all kinds of information into a digital language. However, this is not the same as converting a whiteboard into a projector for a book into a PDF, these are examples of change using digital tools and not digital transformation. after all digital transformation concern the ability to integrate and utilize digital technology, we didn't our daily lives.

Recently digital transformation has attracted worldwide attention. Its development potential has a significant impact on products innovation process and business models. Increasing digital technology allows for generalization of data that can later be used as a decision-making tool. Thus, the increasing adoption of digital technology also can lead to program improvement across different industries, the emergence of new quality methods and communication through the digital world.

Education has become the main target for the development of digital transformation, moving in line with the development of the education system. An education system based solely on face-to-face learning can thus use digital transformation to switch to one based on distance learning.

Digital transformation represents both a challenge and an opportunity for the education sector. Three factors influence the digital transformation of the education sector: students, teachers, and educational institutions. Digital transformation in education

involves not only the use of digital devices for learning but also entails a change in the learning system.

METHODS: -

Since the term was first coined in the 1990s, digital transformation has come to be understood as a systematic change that involves four entities: human, hardware, software, and infrastructure. Therefore, it is necessary to conduct an exhaustive literature review to understand it.

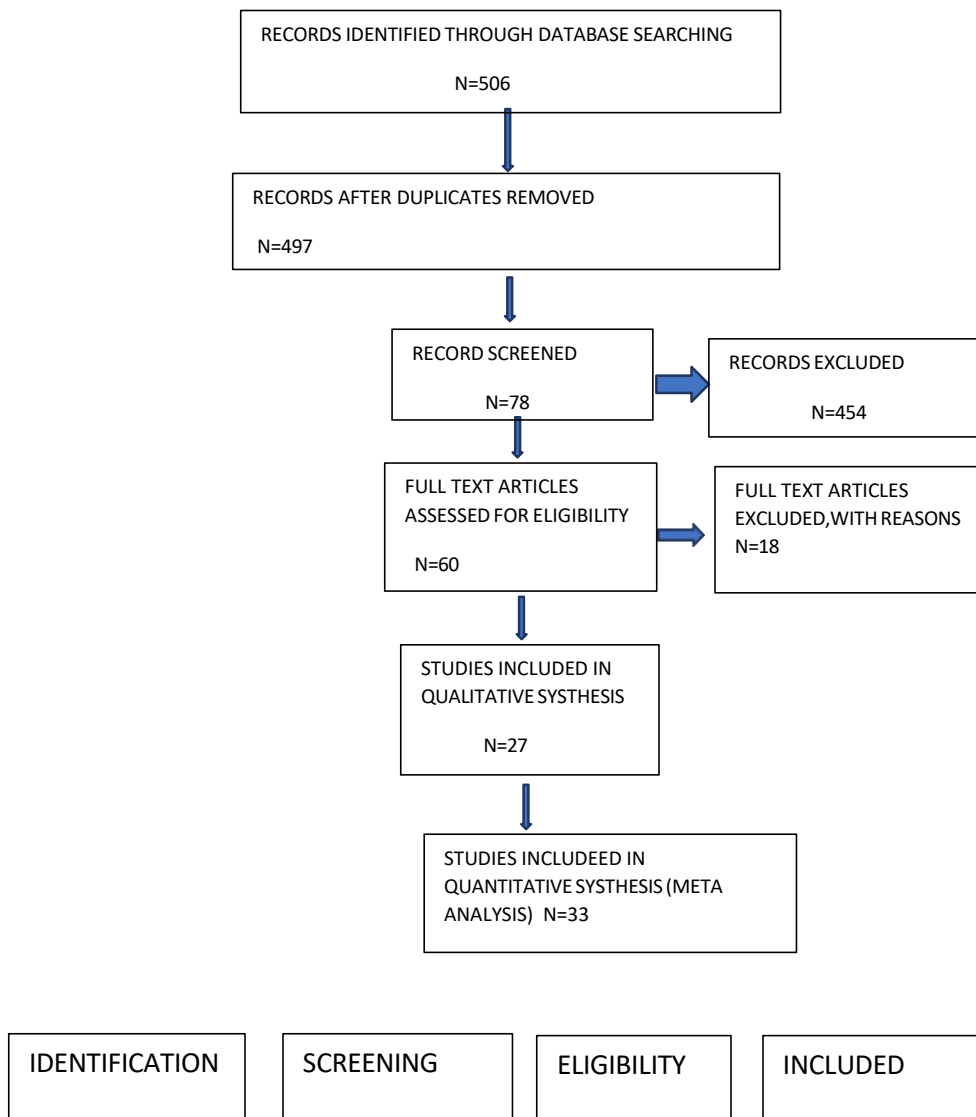
This study was conducted using a systematic literature review framework and followed the **PRISMA** approach to article selection. The Scopus database was used with the following keywords: TITLE-ABS-KEY (digital and transformation) and TITLE-ABS-KEY (education). These searches aimed to find articles that pointed directly to digital transformation in education.

PRISMA stands for Preferred Reporting Items for Systematic Reviews and Meta-Analyses. The PRISMA statement consists of a 27-item checklist and a 4-phase flow diagram. The flow diagram depicts the flow of information through the different phases of a systematic review. It maps out the number of records identified, included, and excluded, and the reasons for exclusion.

The PRISMA flow diagram visually summarizes the screening process. It initially records the numbers of articles found and then makes the selection process transparent by reporting on decisions made at various stages of the systematic review. Whether the review is limited to randomized controlled trials or includes other types of research.

The PRISMA statement superseded the earlier QUOROM standard. It offers the replicability of a systematic literature review. Researchers have to figure out research objectives that answer the research question, state the key words, a set of exclusion and inclusion criteria. In the review stage, relevant articles were searched, irrelevant ones were removed. Articles are analysed according to some pre-defined categories. The PRISMA statement was instructed to

authors for 27% of journals, 50% internal medicine journals and 25% speciality medicine journals. These results showed that the uptake PRISMA guide lines by journals is still inadequate although there has been some improvement over time.



PRISMA FLOW DIAGRAM FOR ARTICLE SELECTION

1) Students’ perceptions of digital transformation implementation

Table One(1) content 6 themes related to perception of students when facing digital transformation. we choose 6 themes based on the pros and cross as prescribed by students who have experienced digital transformation in education. the 6 themes are learning equipment 4% sale paste learning 17% individualisation 15% flexibility of learning 13% openness to new teaching concepts 10% and student teamwork 8% selfish learning was found to be the most powerful theme .

Table 1 :summary of student's perceptions

THEME	NUMBER OF ARTICLES
Learning equipment	3
Self-paced learning	10
Individualisation	9
Flexibility of learning	8
Openness to new teaching concepts	6
Students' teamwork	5

An essential aspect of implementation digital transformation in education is the availability of learning tools, which are required to change the learning system face to face learning to distance learning. livariet al. stated that some students had difficulty according the internet device and online application– specially students in remote areas. Students in remote areas have more limited access to electricity, internet connections and technology facilities than students in the capital city. This limitation means that students in remote areas are unable to participate in learning become they cannot go online.

In self-paced learning opportunities Students abilities are influenced in implementing digital transformation. Korepin et al. found that internet users aged 18 to 24 years use the internet to learn independently. Digital transformation in education makes students feel happy and enable them to learn independently through their experience. Students can regulate their study time and develop appropriate learning patterns.

ii) Teachers' preparedness to embrace digital transformation —

Table two (2) contains 4 themes related to teachers' preparedness to embrace digital transformation. We choose four themes based on teacher's preparations and the problems associated with dealing with digital transformation in education. The four themes are adapting to new technology 15% ,learning content 22%,Visionary teaching strategies 27%, and skill and competence 20%.

Table 2: summary of teacher preparation

THEME	NUMBERS OF ARTICLES
Adapting to new technology	9
Learning content	13
Visionary teaching strategies	16
Skill and competence	12

While table 2 shows the four types of preparation for teachers when facing digital transformation adapting to new technology, learning content, visionary teaching strategies and skill and competence- the most popular theme was visionary teaching strategies.

Teachers are the trigger of developing the digitalization of services and teaching. Universities are advised to employ many competent teachers in order to provide education more effectively. The development of digital media poses a challenge for teachers, especially with increasingly rapid development of technology. Teachers must learn how technology is used and how to integrate it into learning content.

iii) Educational institutions to adopt digital transformation:

Table 3 contents 6 themes related to the readiness of educational institutions to adopted digital transformation in education. We chose 6 themes based on Institutions preparations and digital transformation problems. The 6 themes comprise a new curriculum 23% developing a training program 7% ,creating and Institute educational platform 18%, managing IT infrastructure 28%, data management 13% and funds 5%.

Table 3: Summary of Institutional preparation

Theme	Number of articles
New curriculum	14
Developing a training program	4
Creating and Institute educational platform	11
Managing IT infrastructure	17
Data management	8
Funds	3

School must Undertake a digital transformation, where the initial stage of digitalisation learning involves the implementation of digital technology into curriculum document. The curriculum is a document that describes all learning process in schools. Curriculum development required soft professional skills and cultural conformity to each society. Children can be protected from the negative impacts of technology by achieving the correct balance between technology and the human approach.

Conclusion: -

In recent years digital transformation has become a popular topic in various fields of life ,with education a prime example. We discussed students perception and the preparation of teachers and Universities, must undertake in readiness for Digital transformation.

Students as the primary beneficiaries of learning must expect the Advent of digital transformation in their schools.

In terms of this limitations this article does not generally discuss the problems encountered in implementing digital transformation. However, we did Identify certain issues including the lack of competent human resources funds and insufficient IT equipment. The implementation of digital transformation required schools to upgrade their conventional learning media to digital media. Teachers must also master emerging new technologies. Training is a key tool in overcoming teacher's reticence to implement technology in their learning. The main barrier is that teacher training and upgrade to IT infrastructure required both time and money.

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