

A Study on Transformation of Education Sector through Digitalization

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ABSTRACT - Digitalization is the latest wave of innovation that is connecting people all over the world. Digitalization is a converging of Information technology, telecommunication, internet and other related technologies. Transformation and telecommunication have been supreme in education sector with extensive change was made in this era. Technology has made everything much uncomplicated and rapid, in this scenario of digitalization; it is an essential for the education sector to adapt new technologies for learning. Digitalization brings in a more practical perspective of tracking students' performance. In this scenario, a digitalization affords a safe mode of education which is clear and responsible. Through digitalization students can improve in their progress. Educators from different categories of all level to understand the importance of digitization. In this current scenario, digitization are making more attractive in education sector which are directly influencing student education.

Keywords: Digitization, Education, Innovation, Students, Stakeholders

I. INTRODUCTION

This is the stage of progressive development where technology is taking over every niche and corner. Digitization permits for personalized education because students can adapt alternative method for their education. The educational perspective, students' capabilities and learning speed of every student can be generated. It creates a platform where students can adapt communication skills, allowing students to capture more advanced automation for their education as well as permit to them to track their performance and recognize areas of their improvement. Digitalization allows visual tools like videos; graphics can be used to help students for better understanding of elearning. It creates a platform on several mobile devices to interact directly with study material. It is a boon for students as well as teachers and trainers in explaining and performing the difficult tasks.

Digital education is actually a consequence of the past several years, although in different forms it already existed earlier. the modern device means the transformation of information are necessary for its development. This type of education would not be possible without rapid development of computers or technology and the Internet. Digital learning is any kind of learning that is accompanied by technology makes effective and efficient use of technology. Digital learning means to enhance the learning and teaching experience rather than traditional methods. Digital education is pleasure for students learning and particularly it is very effective for child learning as the innovative audio-video feature boosts the cognitive elements in a child's brain. The motion pictures involved in digital learning makes it more practical, applicable and interesting to student's life. Through the digitalization it can verify the effectiveness of digital learning and it was important that to recognize the various ways in which digital learning can take place.

REVIEW OF LITERATURE

Online Collaborative Learning (OCL)

II.

It proposes a modern learning theory with such a framework that takes into account the universality of the Internet and the societal shift toward collaborative learning. It features the academic growth rather than the normal teaching approach. The main outline of Online Collaborative Learning (OCL) which renders a pattern of education in which students are encouraged and supported to work together toward knowledge. To innovate or to explore the many ways to innovate, seek to understand, therefore, stimulate a sharp solution-finding rather than presenting literature statements. This education method is collaborative so that students are expected to work effectively through it. A constructive approach points to the value of educators as an essential drivers for the OCL process. Above mentioned approach can encourages student's awareness through real-case scenarios and also encourages curiosity and discussions that support their independent learning. Similarly, the term participatory pedagogy represents the convey of educational pattern that collaborate the instruction with a net-worked and connected education. The results mentioned above ends in a promotion of the student's engagement and their

enthusiasm to focus on enhancing their theoretical and practical transmission of knowledge.

- Higgins,S., Xiao,Z., and Katsipataki,M. 2012 " the impact of digital technology on learning: A Summary for the Education Endowment Foundation"
- Archer,K., Savage,R.,et al. 2014 "Examining the effectiveness and efficiency of technology use in classrooms: A tertiary quantitative analysis"
- Aslıhan (2016) "Digital learning methodologies" Project based-learning; Problem based learning; Digital stories; Online learning environments; Digital Moments; Technology integrated teaching methods; Digital storytelling; Educational games; Authentic learning.

OBJECTIVES OF THE STUDY

- To analyse the required information for students to understand the digitization.
- To study the learning environment through information and communication technology.
- To study the effectiveness and efficiency of digital education system.
- To analyse the innovative teaching practices and learning.
- To study the career development of the students.
- To analyse the education system through multiple information and communication technology approaches.

III. RESEARCH METHODOLOGY

Primary data has been collected by surveying the questionnaire to students. The paper follows both quantitative and qualitative data. Random sampling technique was used to collect primary data and it has been captured from 30 respondents. These respondents are the students of the different colleges. Respondents were encouraged to fill the questionnaire which had 10 questions based on the transformation of education through digitalization.

DATA ANALYSIS

The Use of digital education well in college



Particulars	Respondents	Percentage
Online courses	5	16.66
Use of multimedia	13	43.33
Digital textbooks	7	23.33
Create communities(online)	5	16.66
Total	30	100

Enjoyment using digitization in the classroom

Particulars	Respondents	Percentage
Yes	17	56.66
No	6	20
Undecided	7	23.33
Total	30	100





Particulars	Respondents	Percentage
Yes	23	76.66
No	7	23.33
Total	30	100



Digital education helping for innovative learning



Particulars	Respondents	Percentage
Strongly agree	6	20
Agree	19	63.33
Don't know	5	16.66
total	30	100



Using digitized education inside the classroom

Particulars	Respondents	Percentage
Yes	19	63.33
No	11	36.66
total	30	100



Practically understood

Particulars	Respondents	Percentage
Strongly agree	4	13.33
Agree	18	60
Disagree	5	16.66
Strongly disagree	3	10
total	30	100



Exploring the topics

Particulars	Respondents	Percentage
Strongly agree	5	16.66
Agree	20	66.66
Disagree	4	13.33
Strongly disagree	1	3.33
total	30	100



Career development in digital skills

	Particulars	Respondents	Percentage
	Agree	_21	70
	Disagree	មព្រួe	10
	don't know	6	20
1	Total	30	100



Expand the learning environment

Particulars	Respondents	Percentage
Yes	28	93.33
No	2	6.66
total	30	100





Effectiveness and efficiency of education

Particulars	Respondents	Percentage
Strongly agree	9	30
Agree	17	56.66
Disagree	4	13.33
Strongly disagree	0	0
total	30	100



Creating communication between teachers and student

Particulars	Respondents	Percentage
Strongly agree	5	16.66 Research :
Agree	9	30
Disagree	11	36.66
Strongly disagree	5	16.66
Total	30	100



IV. FINDINGS

- Majority of the students are enabled about teaching uses of information and communication technology.
- Majority of the students are in line with digital education and its effectiveness.
- 63% of students are inclined towards innovative learning through ICT (information and communication technology) platform.
- Majority of the students finds multiple ICT approaches effective in their education system.
- 63% of the students are more satisfied using digital education
- Most of the students are understood that the digitized education system is very useful for practically than theoretically.
- Majority of the students are enabling digitized education that was exploring the information through ICT.
- Students are saying that digitized education will improve career development using digital skills.
- 93% of the students are inclined towards learning environment will expand through information and communication technology.
- Majority of the students are expressed their views on digitized education will increase effectiveness and efficiency of education system.

V. CONCLUSION

Today most of the learning styles have been converted into Digital education system. Digital education also extends through social networks. Here the survey result showed the Effect of our education site through information and communication technology. Majority of the students are more willing to use digitized education system in the classroom. The digitized education system is the key to taking advantages of all of the affordances and minimizing all of the limitations that digital education brings to children and their education, whether it is knowledge based or practice based. This is almost majority of the students spent by them completely engaged in a form of digital technology.

Teachers are using digitization for their teaching practices and digital technologies create a platform for improve the efficiency and effectiveness of education system through information and communication technology. .

Technologies have great potential for knowledge dissemination, effective learning, and efficient education services. Yet, if the educational policies and strategies are not right, and if the prerequisite conditions for using these technologies are not met concurrently, this potential will not be realized.



ICT enable the transformation of teaching, research and education processes of students at all different levels. It allow teachers and students are contributing their education perspective value to the education fraternity. In the education sector, Information and communication technology is having a huge impact on schools and colleges, so they are introducing the ICT as an area of study. Students can explore the information through information and communication technology. Digitization can bring the students attention for their education and it can create an attractive awareness regarding practical as well as theoretical knowledge in the student mind.

Digital education can develop a student's communication using technology. Educators are becoming innovator using information and communication technology. Thus many universities and colleges prefer to use information and communication technology for development of their student knowledge and also they have to increase education system very effectively and efficiently. Through digitalization can improve the students' enhancement as well as students' performance and digital education is very effective learning for students. Digitization can encourage teachers as well as students for improving their knowledge.

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