

Impact Of ICT on Student's Learning

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Abstract

The emergence of ICT has fundamentally changed the entire world rapidly on not only the business and governance but also in the field of education. While the world is moving towards the digital media, the impact of ICT in learning has simultaneously increased. The use of ICT not only improves classroom learning, but also provides the facility of e-learning. Higher education system have grown exponentially in the last five decades to meet for all the demands of quality education for all. ICT powers our access to information which enables new forms of communication and technology and also serves many on-time services in the spheres of commerce, culture, entertainment and education. ICT also allows for the creation of digital resources like digital libraries where the students, teachers, professionals can access research material and course material at any time. The study focuses on various impacts of ICT on learning process and explores various potential developments.

Keywords: Information and Communication technology, learning process, e-learning

Introduction

Information and Communication Technologies (ICTs) are referred to as the varied collection of technological gear and resources which are made use to communicate. They are also made use to generate, distribute, collect and administer information. ICT is a force that has changed many aspects of the way we live ICT consists of hardware, software, networks and media for collection, storage, processing, transmission and presentation of information as well as related services. Higher Education system have grown exponentially in the last five decades to meet for all the demands of quality education for all. ICT powers our access to information enables new forms of communication and serves many on-time services in the spheres of commerce, culture, entertainment and education. ICT also allow for the creation of digital resources like digital libraries where the students, teachers and professionals can access research material and course material at any place at any time.

Objectives of the study

- i. To analyze the impact of ICT on students learning.
- ii. To determine the impact between accessibility of ICT resources on students learning.

Statement of Problem

Information and Communication Technology enhance the scope of education by facilitating mobile learning. It positively affects all the stakeholders of education. It also aids to improve the effectiveness of education. ICT facilitates research and scholarly communication. During the current Covid situation, there is a drastic change happen in the education, ICT enables the learners to the scope of education. So, the present study focuses on the impact of ICT in students learning process and also find out the effects of accessibility of ICT and their ability on learning.

Review of Literature

Sumitra Pokhrel and Roshan Chhetri (2020) conducted a study on “Impact of ICT in Covid 19 Pandemic on Teaching and Learning”. They observed that in the case of developing countries, suitable platforms for different class levels of higher secondary, middle and primary education need to be explored further. The need for developing tools for authentic assessments and timely feedback is found to be another area of study. Shivangi Dhawan (2021) made a study on “Online Learning”, A panacea in the Time of Covid – 19 crisis, “The study reveals that to find new solutions for the learning problems, that might bring in some much needed innovations and change. This pandemic has also taught that students must possess certain skills such as skills of problem solving, critical thinking are most important for the adaptability and survive especially during this crisis.

Research Methodology

For the present study data has collected primary and secondary sources. Primary data has collected through structured questionnaires from the college students in Thiruvananthapuram district for studying the impact of ICT in learning process and their accessibility of ICT resources. Secondary Data has obtained from Journals and Books. There are one hundred and fifty samples are chosen and Convenient sampling method has been adopted for analyzing the data.

Analysis of the study

In the present study, opinion about the impact of ICT on students learning has been analyzed with the help of five variables mainly Accessibility of Information, Stimulate logical thinking, Helps learning more interesting, Helps in self-learning and To learn topics beyond curriculum. Likert scale have been used to analyze the data and the results are displayed in the below table.

Table 1:1 Impact of ICT on students learning

Sl No.	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total	Rank
1	Accessibility of Information	35	30	20	35	30	150	IV
		175	120	60	70	30	455	
2	Stimulate logical thinking	40	25	35	20	30	150	III
		200	100	105	40	30	475	
3	Helps learning more interesting	20	35	28	37	30	150	V
		100	140	84	74	30	428	
4	Helps in Self-learning	55	40	20	15	20	150	I
		275	60	60	30	20	545	
5	To learn topics beyond curriculum	46	38	22	20	24	150	II
		230	152	66	60	24	532	

Source: Primary data

The above table depicts that the ICT helps in self-learning has secured the first rank whereas the factor that ICT helps learning more interesting secured the least rank.

Table 2

In the present study regarding factors that are influencing accessibility of ICT resources has been analyzed using variables such as computers and laptops, Smart Phones, Social Media, Educational Softwares and Online Educational Platforms. Likert scale have been used to analyze the data and the results are displayed in the below table.

Factors influencing accessibility of ICT resources

Sl No.	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total	Rank
1	Computer & Laptops	56 280	44 176	32 96	10 20	8 8	150 580	II
2	Smart Phones	60 300	52 208	10 30	20 40	8 8	150 586	I
3	Social Media	48 240	44 176	20 60	18 36	20 20	150 532	IV
4	Educational Softwares	35 175	41 164	17 51	38 76	19 19	150 485	V
5	Online Educational Platforms	53 265	50 200	21 63	19 38	7 7	150 573	III

Source: Primary data

The above table shows that the accessibility of smart phones has secured first rank whereas the accessibility of educational software has obtained least rank.

Suggestions

- Proper steps should be taken by the management to promote online educational software.
- The colleges should provide training to teachers regarding ICT based programmes.
- Regarding the ICT on social media, the most interesting aspect is connected with learning, so students can take any free courses from most famous universities.
- Colleges need to invest more in technology related activities that makes to solve the accessibility problems and to make learning more interesting.

Conclusion

The implementation of ICT brought a tremendous change in higher education. ICT is among the latest innovations that has made a remarkable change in the modern world. It is particularly important in the field of education, since it has created such platforms and opportunities. There is need to offer full support to students access of ICT as it has the potential to improve their academic performance.

References

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