

Ict in Teaching Economics

Yuldasheva Saodat Khalmurzayevna

PhD, professor in Tashkent state university of economics, department of Audit

Fayziyev Shakhobiddin Nuriddinovich

PhD, professor in Tashkent state university of economics, department of Audit

Shayakubov Shakabil Karimovich

PhD, professor in Tashkent state university of economics, department of financial analysis

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The aim of the study was to ascertain Economics students' perceptions about the state of the use technology in the teaching of Economics in selected in Tashkent state university of economics. The study was a descriptive type which employed the survey design. Respondents of this study comprised 150 students from Tashkent state university of economics. The data were analyzed using frequency and percent ages, mean and standard deviation, and independent sample t-test statistical techniques. The findings of the study revealed that technological tools such as computers, presentation software and projectors, can be employed in the teaching of Economics. Again, it was found that Economics teachers rarely make use of available technologies in the teaching of the subject. Further, students were also found to exhibit positive attitude when technology is used in teaching. Finally, the study revealed that there was no significant difference in the SHS Economics students' perspectives when technology is used in Economics lessons based on gender. It was recommended that Tashkent state university of economics should organize seminars and in-service training for Economics teachers as way of exposing them to the types of technology and how to use them in teaching.

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Introduction

The use of technology in education has rapidly expanded in many countries and is now seen worldwide as both a necessity and an opportunity for improving and enhancing the education offered to citizens across the globe. Technology has been regarded as one of the building blocks of modern society, and has

been considered as one of the indices that was used to access a society's development. This is evident by the various technologies, being used by developed countries like United States of America and United Kingdom in communication that has transformed their economies.

The application of ICT in education has become an indispensable tool in global economic transformation and integration. The global knowledge now comprises diverse technologies featuring computer networks. These revolutions, according to Ogwo have automatically changed the image and the direction of teaching and learning in this contemporary world especially in the developed countries of world. ICT has touched every profession, vocation or occupation and has impacted positively in ways of doing things in organizations and society at large. Of immense importance is the aspect of the use of certain applications like film strips, computers, internet, presentation software (PowerPoint) which has brought about speedy, timely, and efficient information processing which is very significant for day-to-day study of Economics as well as decision making.

The role ICT plays in widening access to education to a wider section of the population at all levels of education has been recognized as a key priority area under the Education Reforms.

ICT in Tashkent state university of economics is therefore seen as an epitomized version of the ultimate goal of transforming the educational system by the Ministry of Education and its sector stakeholders. It is intended to be a guide by which ICTs can be exploited in an efficient and coordinated effort to support the education sector's own goals and operations, as well as within the framework of the national development initiatives.

In the beginning of the implementation of ICT in the country, there were optimistic beliefs about profound changes in teaching and learning practices among both educational researchers and policy-makers. Because of the increasing amount of technology integration in the teaching and learning process, more and more studies focus on examining 'how people learn with technology'.

Shawn asserted that the 21st century goal of education is the mastery of information, embedded knowledge and understanding and advancement of the use of technology in society. Economics as a subject and course aligns itself with the use of technology in the teaching and learning process. On this note, Jean opined that effective use of ICT can support and alter teaching and learning process in many subject areas. There is no doubt that technology can be employed in teaching Economics.

Review of Related Literature. Due to the rapid changes and advancement in technology, there are a host of technological tools available for teaching. There are different kinds of technological tools that are useful for teaching. Internet, interactive digital television, video, web-based instruction, computers, video conferencing, word processors, spread sheets, statistical packages, databases, projectors, audio resources and presentation software can be used in teaching.

Ocak and Akdemir conducted a study on science teachers' use of computer applications. The findings of their study showed that an improvement in the computer literacy of science teachers tend to increase rate at which they use computer and consequently increase their integration of computer applications as an instructional tool. The most frequently used technologies in classrooms were Internet, email and educational software, Compact Discs (CDs).

Again, a study conducted by Yusuf, Bashir and Dare on assessment of the availability, utilization and management of ICT facilities in teaching English language in secondary institutes. The results of the study indicated that there is a scarcity of ICT facilities in secondary institutes in Kaduna as there are only very few of such facilities available in most of the institutes visited. This implied that ICT facilities were not readily available in institutes.

Also, teachers did not have enough computers, no interactive boards educational software or multimedia facilities. In some institutes, only projectors and e-libraries were available.

Rampersad conducted a study on how students' interest, motivation and engagement in Modern Studies were affected by the integration of technology. The results of the study showed that the use of technology helped students to recall lessons, it created a conducive environment for learning and it also captured the attention of students. Again, students developed interest in the lesson and actively involved themselves in the teaching process. However, the absence of technology would have a negative impact on students' attentiveness and their desire to participate in a lesson. Turan opined that students showed positive attitude toward the use of technology in teaching. The use of technology in teaching and learning stimulates the interest of students.

Rafaei asserted that the use of ICT in the teaching and learning of Economics in secondary institutes enhances collaborative and establishes rich network between students. Additionally, the use of ICT in teaching and learning can help improve memory, retention and increase motivation among students.

The reviewed literature clearly shows studies on the types of technology that can be used in teaching, the extent to which technologies are used in the teaching and learning process, and also the perceptions of students when technology is used in teaching.

Statement of the Problem. The use of technology in teaching and learning has rapidly become one of the most important and widely discussed issues in contemporary education policy. A lot of efforts and numerous resolutions have been made by policy makers concerning ICT to make teaching and learning easier. Despite the several attempts to shift from the conservative method of teaching and learning and the introduction of various policies to be used in the teaching and learning process, it seems that, studies on the use of ICT in teaching and learning process appears to have concentrated on other subject areas with little attention in Economics as a subject at the senior high school level.

Nji and Idika conducted a study on the utilization of ICT in teaching and learning of Economics in secondary institutes. The results of the study showed that teachers and students had low utilization of ICT in teaching and learning. However, in their study they failed to look at the perceptions of students on the use of ICT in teaching and learning.

In the conducted a study on the use of technology in the teaching of History. The findings of their study revealed that technological tools can be employed in teaching History. History students portray positive attitudes in class when technology is used in teaching.

It appears the various studies were conducted in different subject areas and also the one in Economics failed to look at the perceptions of Economics students on the use of technology in teaching Economics. The question is what is the state of the use of technology in the teaching of Economics? There is the need to find out the state of technology use in the teaching of Economics. This study therefore adds to the existing body of knowledge already amassed in this area of research conducted in other teaching and learning contexts.

Purpose of the Study. The purpose of the study was to examine the perspectives of SHS Economics students about the use of technology in the teaching of Economics. Specifically, the study is intended to: 1. find out the types of technology that can be used to teach Economics at the SHS level? 2. ascertain the extent to which SHS Economics teachers use technology in teaching Economics? 3. determine SHS Economics students' perspectives when technology is used in Economics lessons? 4. ascertain whether there is difference in the SHS Economics students' perspectives when technology is used in Economics lessons based on gender.

Research Question. 1. What are the types of technology that can be used to teach Economics at the SHS level? 2. To what extent do SHS Economics teachers use technology in teaching Economics? 3. What are SHS Economics students' perspectives when technology is used in Economics lessons?

Methodology. Research Design. The research design adopted for this study was the descriptive survey design. Descriptive survey research design enables a researcher to obtain the necessary data on the variables from a representative sample of the population in order to describe the situation as it exists. The choice of this design was further informed by the assertions Akinkuolie that it typically utilizes a questionnaire to determine the opinions, perspectives, conceptions, beliefs, facts, attitudes, preferences, and perceptions of persons of interest to the researcher. The descriptive survey design was therefore considered appropriate for this study since it is relevant in examining the perspectives of Economics students about the use of technology in the teaching of Economics.

Population. The population of the study comprised all SHS Economics students Tashkent state university of economics. The target population of the study was Economics students in Tashkent state university of economics. However, the accessible population was SHS 2 Economics students from three selected Senior High Institutes. The Economics students were all SHS 2 Economics students selected irrespective of their programme of study and gender. **Sample and Sampling Procedure** The sample size was made up of 150 SHS 2 Economics students. The simple random technique was used to select 150 students for the study.

Procedure for Data Collection. An approval letter from the heads of the selected institutes was used as evidence of permission to administer the research instruments in their institutes. The questionnaire was administered to Economics students of the selected SHS. The questionnaire was administered by two research assistants. The research assistants assured the respondents of complete confidentiality, distributed the questionnaire to the respondents, guided them through how to respond to the items and collected them within 10 to 15 minutes. **Data Analysis Procedure** Data collected were coded and refined with the help of SPSS. Research question one was analyzed using frequency and percentages. Also, research question two and three were analyzed using means and standard deviations. The research hypothesis was analyzed using independent sample t-test. **Presentation of Results Research Question 1:** What are the types of technology that can be used to teach Economics at the SHS level? This research question was aimed at finding out the various types of technology tools or devices that could be used to promote the teaching of Economics.

Discussion of Results. The first research question of this study was to find out the various types of technology tools or devices that could be used to promote the teaching of Economics. The respondents (Economics students) indicated that computers, presentation software and projectors are the major types of technologies that can be used in teaching Economics. However, students acknowledged that radio, tape recorder, film strips and television/video and internet cannot be used to teach Economics. The implication is that Economics students are probably not aware of these technologies as having the potential of enhancing the teaching of Economics. The results of the study are in sync with that of Fisher and Amengor who stated that computers, projectors, and presentation software can be used in teaching.

Research question two sought to find out the extent to which SHS Economics teachers use technology in teaching Economics. Results of the study showed that Economics teachers rarely make use of available technologies in the teaching of Economics. This may be that these technological tools are available in the various institutes. This finding rates with the findings of Adebi-Caesar who opined that teachers rarely make use of computers in the teaching process. Further, Ayebi-Arthur, et al., echoed that majority of the

teachers had access to the internet but hardly used it.

Research question three was meant to ascertain the Economics students' perspectives when technology is used in Economics lessons. The findings of the study revealed that Economics students' have positive perception towards the use of technology in the teaching of Economics. This implies that Economics students' support the use of technology in teaching Economics and also, they have positive attitude towards it thus more technologies should be used in the teaching of Economics. This result is consistent with the findings of Turan who stated that students showed positive attitude toward the use of technology in teaching. Again, the findings are in harmony with the findings of Gragert, Haddad and Drexler, and Rampersad who emphasized that the use of technology in teaching stimulates the interest of students. The research hypothesis sought to find out whether there is difference in the SHS Economics students' perspectives when technology is used in Economics lessons based on gender. On the basis of gender, results of the study could not show any statistically significant difference in the SHS Economics students' perspectives when technology is used in Economics lessons. The null hypothesis was consequently upheld. The implication is that both male and female Economics students have positive attitude towards the use of technology in the teaching of Economics hence more technologies should be provided to the various senior high institutes.

Conclusion. The study was intended to explore Economics students' perceptions about the state of the use technology in the teaching of Economics in selected Tashkent state university of economics. The findings of the study revealed that technological tools such as computers, presentation software and projectors, can be employed in the teaching of Economics. Again, it was found that Economics teachers rarely make use of available technologies in the teaching of the subject. Further, students were also found to exhibit positive attitude when technology is used in teaching. Finally, the study revealed that there was no significant difference in the SHS Economics students' perspectives when technology is used in Economics lessons based on gender. It is recommended that Tashkent state university of economics should organize seminars and in-service training for Economics teachers as way of exposing them to the types of technology and how to use them in teaching. Also, the Ministry of Education and GES should provide technological resources needed by institutes.

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