Impact of Technology Assisted Education for Improving Learning Skills

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Abstract- This paper takes an initiative to show how the technology and technology based system and approach towards education has impacted learning any language as well as acquiring linguistics skills. To attain effectiveness in learning and acquiring the language related skills & awareness, a number of methods are being used but those methods without technologies are rarely successful to the beginners and adult learners. Mostly, technologies in education such as Computer Assisted Language Learning (CALL) & Mobile Assisted Language Learning (MALL) have kept widely influenced to the Technology Assisted Education (TAE). TAE has a close relationship with modern science and technology in this regard. Not only inside but also outside the classroom, Teaching associated with TAE helps instructors and the young and the adult learners using the MALL technology. Smart Information technologies have made the classroom educative, skillful and informative. TAE makes both the teachers and the students skillful in the regard of language learning by smart-innovative and modern technologies. It teaches them how to manage the time; to get information and to earn knowledge. At last visualization adds a new era in the language learning system.

***Keywords*:** Acquiring, Change, Informative, Impact, Learning, Technology, Visualizing, TAE

I. INTRODUCTION

Growing invention of modern science, nowadays, technology plays very crucial roles in all fields such as academic, business, politics, and inter-intra personal/national relations. The technology opens the door of various branches of knowledge. Whenever technology associates to educational program, acquisition of language learning becomes easier for the young and new learners. Computer alone with projector makes a cheerful educational environment inside and outside the classroom. This is useful to the instructor in teaching and it is also for learners in the practicing. Time being, one cannot find a single person who has no association with technology. Some of them are using technology- listening songs, watching videos- just to avoid boredom and some of them are using the same technology to acquire language knowledge. Acquisition of language became essential when the people wanted to be civilized, banishing their own barbaric culture and some nation felt its necessity to show control over less powerful nation. In this civilized world, people are acquiring language by using technology, not to attract the people, but they are using technology acquiring actual language.

Technology is upgraded very rapidly time being and new product of technology brings revolutionary change in the modern world. It does not mean that the old technology has been banded for the new technology. The new items have just replaced the old one. It has to confess that we cannot use all of inventions of modern technology to learn language. We can only use such technology that is related with language. Technology Assisted Education (TAE) is mostly designed for the non-native speakers of the target language. In this regard, there are mainly two major useful technologies which are very closely connected with language learning: Computer Assisted Language Learning (CALL) and Mobile Assisted Language Learning (MALL). Using these technologies, our young learners and migrating workers are learning language or acquiring language and contribute to the development of the economical growth. English is an internationally recognized language.

"Spoken by about 470 million people throughout the world, English is the official language of about 45 nations. Because English in so widely used in international business, the ability to communicate effectively with power and confidence is a valuable asset, whichever career one may choose, English language skills has a direct impact on the success in the global corporate environment." (Dr. Shilpi: 2012)

II. LITERATURE REVIEW

The above quotation shows the importance of learning language to the development of individual so that he/she can contribute his/her labour to the economy of the country. If a

person wants to migrate to another country, he/she learns language from a reputed organization. But sometimes it is not fruitful because of the absence of technology.

Technology in education crosses the world horizon. In traditional learning what difficulties a learner faced, in the assist of TAE those difficulties are overcome by a click of an electric mouse. Technology makes a learner beneficiary. Not only they can learn language but they can judge their learning themselves by using CALL. Computer Assisted Language Learning makes a remarkable friendship with learners in the sake of acquiring language. Where traditional learning was four skills based: Reading, Writing, Speaking, Listening; but TAE works with seven basic skills in language learning: Reading, Writing, Speaking, Listening, Visualizing, Correcting and Repeating.

CALL makes learning popular to the young learners in preliminary education level. Basically the learners are in the age of 4 to 10. CALL helps them to learn a lesson by visualizing basis. Visual learning is not forgettable as the film *Titanic*. The sinking history of the 'Titanic' in the Atlantic Ocean is not remember able to the audience because better ships are available nowadays, but the sinking Titanic captured the mind of her audience because of the visualizing love affair between Jack, a hero and Rose, a heroine. Likely, when a learner sees the image of the action word, he/she captures the same word by sign. After signifying the image, a learner signified the product or the image. Language can be learnt and acquiring by imitating sign.

"A sign is not only a sound-image matter but also a concept". (Saussure: Course in General Linguistics).

Thus he divided the sign into two components: the Signifier (sound-image) and Signified (Concept). In the supporting of this concept, the perfect example of visualizing learning is the learning of dumb men. They only see the gestures of fingers and understand the indication of target.

Similarly, Computer Assisted Language Learning teaches learners a visual and informative education. In addition a learner can see the movement and style of the target person whom he is imitating to learn. A classroom teacher teaches his students comfortably and is able to give more information at a time using projector alone with computer where in traditional teaching method, teachers teach them orally or applying blackboard writing. In this system, students did not get more information and the communication between teacher and student sometimes communication broke down. Now, understanding the use of TAE, teacher-student interaction builds up and erases the barriers as well as difficulties in the classroom. Visual reading system helps the students of a classroom to learn proper pronunciation. When a teacher pronounces a sentence, the learner cannot clearly recognize the tone of

voice and cannot see the movement of the organs. Definitely, the learning will be less effective. At the same situation, if a teacher uses CALL, the learner can get the things related to acquiring correct language. So the barrier of pronunciation will be removed by CALL. Additionally, a teacher will be able to show the use of grammatical part and the function of it in a sentence visually so that a learner cannot forget the structure of such grammar and the teacher can suggest the learners to make some sentences using the same pattern which will increase vocabulary power of a young learner.

"Education implies today not only a singular, computational use of new technologies, but the promotion of engaged peer interactions with a shared computer activity. The interdependence of communicative interaction new technologies the development of computer applications, the design of computer-based tasks and focused activity for learners to become critical thinkers and creators of knowledge is a reality of the new educational model." (Zamfir: 2008)

Writing of language is very sensitive for a student in primary level of education because good hand-writing can earn first-class attention to an examiner. It consumes a lot of time when a teacher moves to all student separately for teaching writing. But alternatively a teacher of a class can apply CALL for the same. It will provide two benefits: Listening and Writing as well as it will consume less time and the learner will gain more letters than that traditional system.
Mobile Assisted Language Learning makes people very dynamic where:
"Modern students will require regular updating of their knowledge, skills and competences". (Zamfir: 2008)

For this circumstance, teachers should redesign their provided courses and depend on new instructional methods. Invention of Smart Phones and Android Phones progresses people to a new communicating way in the connection with the world. It has double power; computing and telephoning. Most of the activities what the CALL done, a learner can do the same in the MALL.

"The idea of devices that could combine the powers of computers and telephony was first conceptualized in the early 1970s..[...........]..Significantly, this included many aspects that lie at the heart of modern m-learning: anytime anywhere; interactive; personal; informal; learning through play; collaborative and using dynamic simulations..[.............]..in addition important chronological development has been the evolution of different digital technologies relating to mobile networks during the 15 year period since 2000". (Tim Unwin: 2015)

This invention enables men to develop mobile Apps and these developments of Apps open a door of education. Apps

has become the essential part of human life. Using various apps is the way of getting various information in modern scenario when it is accepted that 'education is information'. A learner can easily access in the foreign schools, colleges and libraries for information. There are many learning apps which serve learners for developing language learning. Some of the apps are translation based and some of the apps are dialogue based. MALL includes reading, writing, speaking, listening and visualizing as well. Learners can learn distance learning through E-mail, Whatsapp, Messenger, Facebook, IMO, Viber, You Tube, Hello English and so many apps. A mobile is very easy to carry for a person and he/she can communicate with other or teachers from any corner for the need of learning. As a learner one can watch target language's movies, in a smart phone or a tablet the learner can use storage to the same movies.

How much MALL effects in learning someone can be understood by this quotation:
"Mobile technologies are playing an increasingly important role in college students' academic lives. Devices such as Smartphones, tablets, and e-book readers connect users to the world instantly, increasing accessibility to information and enabling users to interact with each other. With the reality being thus, using mobile technology for teaching and learning has become a rapidly evolving area of educational research". (Cano: 2014)

Concept of smart classroom has been taken from the concept of Technology Assisted Education (TAE) where technology based education has supplied all support for making a classroom smart and active. Taking with technological advantage, a smart classroom is making teaching and learning a highly productive and informative to the learners.

"Smart classrooms aim at offering a distinguished educational environment which is capable of enhancing the students' learning performance and providing diverse sources of knowledge as well as the needful interactive tools." (Al-Sharhan: 2016)

Forming an interactive and interesting learning environment, a smart classroom may be consisted of some different essential components; such as, interactive whiteboard, multimedia, audio-video elements like data, projectors and recoding systems. These components are form a perspective and innovative smartness. From the above discussion, the effectiveness of swiftly acquiring language depends on the blessing of technology although people had learnt language manually in the ancient era.

To fulfill the competences and development of a target language, some certain ability has to be gained. According to Zamfir, Communication in the mother tongue and digital competence highly appreciated in the modern world. New educational approaches are developed but it remains unknown lacking of digital competence. Nobody could implement the new approaches. So day to day the old method is continuing inside the classroom and outside the classroom for the insufficient of technical knowledge where TAE improves rapidly. The main object of the existence of the Technology Assisted Education is to associate the young and new learners to acquire the competence, skill and knowledge about the target language so that they can seize the jest from that target culture to the development of society, culture, education, economy and politics of a country.

III. ACKNOWLEDGEMENT

IV. CONCLUSION

Now majority of students are using mobile phones. So mobile internet accessing increases alarmingly. Whenever Computer has some applications for education communication such as word processing application, PowerPoint application for presentation and Excel application for data entry; same facilities are available in mobile apps also today. All facilities may be used to education related activities. Information Technology keeping progress in the field of education has invented many educational software and apps.

Modern technology can be considered a powerful wealth of transforming learning. It can make a relationship between teachers and students. Our primary schools, especially private institutions, colleges as well as universities are keeping significant trace in this field for adult learning through technology. Educators must be coworkers in learning, seeking new knowledge and constantly acquiring new knowledge alongside their learners. Taking full benefits of technology in our education system and providing authentic learning experiences, instructors need to use information technology effectively in their practice. When carefully designed and thoughtfully applied, technology can accelerate, amplify and expand the impact of effective teaching practices.

REFERENCES

[1] Aldoodie. Nada., "*Technology Integration and Learning Theory*", Amerian International Journal of Contemporary Research. Vol. 5, No. 6. December. 2015.

[2] Baran. Evrin., "*A Review of Research on Mobile Learning in Teacher Education*". Educational Technology & Society. October, 2014.

[3] Bhattacharya. Dr. Shilpi., "*Soft Skills and English language Teaching: A Tool to Global Placements*". Literati. Vol. XI, Summer. 2012. Raipur. C.G. pp. 65-70.

[4] Cano. V. Esteban., "*Mobile Distance learning with Smartphones and Apps in Higher Education*". Educational Consultancy and Research Center: 2014. www.edam.com.tr/estp

[5] Das. Dipankar., "*Modern Education with Smart Classroom*". RAY: International Journal of Multidisciplinary Studies. Vol. I, No. 1. April, 2016, pp. 67-79.

[6] http://en.m.wikipedia.org/wiki/Signified_and_signifier

[7] "*Reimaging the Role of Technology in Education*". National Education Technology Plan Update. January. 2017.http://tech.ed.gov

[8] Saussure. F. De, *Course in General Linguistics*, French: 1916

[9] Sharhan. A. Salah, "*Smart Classrooms in the context of Technology Enhanced Learning (TEL) Environment: A Holistic Approach*". 2016 www.reserchgate.net/publication/288000218

[10] Unwin. Tim., "*Paper commissioned for the EFA Global Monitoring Report 2015*". Education for All 2000-2015: achievements and challenges. UNESCO. 2015.

[11] Wikramanayake. G.N., "*Impact of Digital Technology on Education*". August. 2005. www.researchgate.net/publication/216361364

[12] Wulystan. P. Mtega., Ronald. Bernard., Andrew. C. Msungu., & Rachel. Sanare., "*Using Mobile Phones for Teaching and Learning Purposes in Higher Learning Institutions: the Case of Sokoine University of Agriculture in Tanzania*". Conference Paper: January. 2012. www.researchgate.net/publication/275340682

[13] Zamfir. Andreea., "*Impact of Using Computer Applications in Education on Teaching-Learning Process*". 7th WSEAS Int. Conf. on Applied Computer & Applied Computational Science (ACACOS '08). Hangzhou. China. April 6-8. 2008.