



Role of ICT in outcomes Based Education

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Abstract

Learning outcomes are skills and abilities acquired shortly after the conclusion of a learning session, which is typically a 14-week semester in Undergraduate Degree Program. Outcomes based education (OBE) focuses on abilities procured by the learners. It assists the progress of learners by creating abilities, impacting qualities, states of mind and determination and expanding expertise. Quality education which empowers the society can be achieved through Information and Communication Technologies (ICT) in teaching learning process to accomplish the concurred learners' level of ability. The rapid increase in student enrolment, knowledge explosion, advances in Information and Communication Technologies (ICTs), globalization, economic restructuring, and financial constraints have all contributed to reforms in higher education. ICT as an artifact an umbrella term, that includes any communication device, such as radio, television cell phones, computer and satellite systems which facilitate information gathering, exchange and makes learning more easy and productive. It also offer students tools for knowledge construction, reflecting, sharing and collaboration in project work, while also connecting to communities, network and resources of their own interest. With globalization, there is a great need for higher education to provide a platform for gradual integration of its degrees with the best available in the world. The implementation of ICT in OBE can effectively accomplish the goals of quality education which is a process that reduces consumption of resources and increases learning outcomes. Quality can be ensured only if institutions can face competition to attract talented students, provide choices and innovate subject combinations. This paper demonstrates the role of ICT to restructure higher education to Outcomes based model and its effective usage to improve quality and accessibility of education.

Key words: accessibility of education, collaboration, project work

I.INTRODUCTION

Information and Communication Technologies (ICT) have become essential elements in each and every activity of life and can contribute to universal access to education, equity in education and the delivery of quality learning and teaching. It has the capacity to enhance, expedite, enrich and develop abilities to inspire and activate learners. It makes learning portrayed by a period

slack between the conveyance of information by the teachers and receiving the information by learners. The different types of ICT products accessible and having pertinence to education are teleconferencing, email, audio conferencing, television lessons, radio broadcasts, interactive radio counseling, interactive voice response system, audio cassettes, CD ROMs and so forth have been utilized for various purposes ICT



facilitates the learners to study and accessible the materials of any subject from any part of the world at their convenient times. It promotes the flexibility for the learners to attend the classes without their physical presence daily to particular institution. It benefits teachers and learners not to reckon on the books or libraries or printed materials and also not to abash when the books get damaged or stolen or unavailable.

ICT yields beneficiary outcomes to teachers and students as follows:

1. Teachers have to update their knowledge in connection with curriculum.
2. They have to take the advice of experts to achieve flexibility in their knowledge.
3. They have to use all resources to learn how to make students more attentive.
4. With ICT teachers help the co-faculty to improve their skills by suggesting ICT materials which are available.
5. It helps to improve the qualities in learners like self-learning, time management, confidence and efficient utilization of resources and it helps in collaborating with different people from different places through learning.

II. Incorporating the ICT to Strengthen Teaching And Learning

Education sector has been influenced by ICTs, which indeed altered teaching, learning and research. Modern world presently supports curricula that advance competency and performance. Curricula are beginning to underscore abilities and to be responsive more with how the content will be utilized than with what the content is. Modern ICT products can contribute stable support to every one of these prerequisites.

ICT has the capability to cater advanced interactive tools for learners to promote their imaginative, physical and

mental abilities. The principle motivation behind ICT "comprises just in the improvement of human mental assets, which permit individuals to both effectively apply the current information and deliver new knowledge"

An unequivocal articulation of learning plan is communicated as a result which reflects the instructive points, purposes and values of the education. It is the procedure to empower the accomplishment of intended learning in various areas of educational modules, teaching, and learning and direction techniques. Information and communication technology is incorporated with the outcomes based education to enlighten aspects of the teaching and learning.

ICT classes must be attended by the both faculty and students in their classrooms or at any other convenient places. Opting and incorporating the relevant information and technologies with in the education system yields the required knowledge and also achieves the throughput of the curriculum. It helps in developing the huge network between different students and faculty members situated at heterogeneous places. By this network rapport students can find different opportunities by different professional members.

ICT in outcomes based education in improving the different teaching methods, different opportunities of learning which strives for the development of quality as the outcomes of the education . This also rehabilitates the good education management. These type of education is added benefits to students by continuously supervising for the development and maintaining the standards of the data collection is



compared to know whether that particular country is meeting with the aims of different nations and also imputing the similar other country standards.

III. Significance of ICT in OBE

Outcomes based education, or OBE, is a student focused way to deal with instruction that highlights on the expected taking in results from affianced learning. It helps to the reasonableness and manageability of the innovation to know the present running technologies in current environment and also to know it's instructive worth in connection to its expense. Grading the capabilities of the learners by conducting tests depends upon their course attended. ICT in Outcomes based Education make student self esteemed and determined towards to the target oriented, accomplishing of the task in brilliant way, makes curious towards their curriculum, and find the better usage of technologies according to the learning environment present running technologies in current environment and also to know it's instructive worth in connection to its expense. Grading the capabilities of the learners by conducting tests depends upon their course attended. ICT in Outcomes based Education make student self-esteem and determined towards to the target oriented, accomplishing of the task in brilliant way, makes curious towards their curriculum, and find the better usage of technologies according to the learning environment.

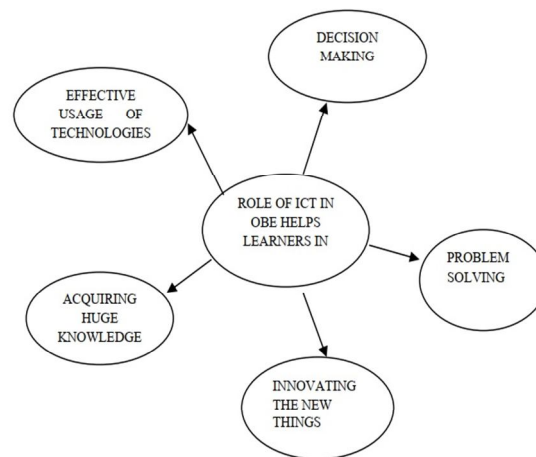


Figure 1: Role of ICT In Outcomes Based Education For Learners

ICT in provides facility to the students that they can access the information rapidly to the curriculum and information out of the curriculum. This integration helps in providing the information and communicates with the learner and analyzes his standard to provide and improve the student capabilities in gaining knowledge according to learner's own interest depicted in Figure 1. ICT in also make analysis of learner background and provides more opportunities to overcome the troubles so that he can enhance himself with knowledge. Different classes are being conducted at different timings so that student can choose the convenient time to build well-formed carrier. Assessment tests are being conducted to know the student capabilities and to grade the student so that improvement measures are taken if necessary or provides further high ranked classes to enhance the learner carrier. It helps in providing the continuous education throughout the lifetime of the individual. It provides extensive qualitative



information for student effective and efficient utilization which is not limited to classroom education but provides worldwide education.

ICT provides an advantage that whenever the student faces a problem away from the institution, it can provide solution by building a rapport between the ICT tutors or professionals or experts. It builds a virtual environment that the ongoing classes are done as if in the physical environment, clarifying doubts and making the learners to be more concentrated, communication not only with the classroom teachers but also with experts all over the world. The students are encouraged in their interested areas through ICT but also help them. Its task is to maintain order concepts to provide the capability developing new innovation by the learners. As it was incorporating the new innovation with existing technologies, developing and securing them is primary duty of each and every learner. The energetic participation through ICT learning by learner must be advised by the teachers. Apart from the region of interest by student it also helps in developing the ethical values, humanity and honest towards the people. By utilizing the resources efficiently and maintaining the good relation with students, teacher can improve their teaching, planning, and assessing knowledge by accurate approaches. The essence learning depends upon the commitment, data acquisition, time management, knowledge sharing and solving the problems in effective manner and making prominent decision and also inculcating the ethical values. Proper utilization of resources and application is achieved only by sustaining the strong bondage between learner and teacher.

ICT also provides esthetical learning where a learner can learn the arts, painting and instruments like violin or guitar. The program can also be designed on how to compose the music while playing violin. Painters who have enthusiasm to learn the painting can exhibit their talent to the world by attending virtual competitions. Comparison and getting new ideas of fine arts can be developed by attending to the different exhibitions conducted online and viewers can communicate with the artists if their need of learning, suggestions or help in making the arts. It also provides the platform for citizens to show their privilege towards their country as they can discuss virtually with the professionals or experts on the basis of the topic, or can provide the best solution for any problem or different plans or any ideas for empowerment of country development. Citizens can advice best solutions through ICT tools for the financial growth of society, recovering issues of the past and current politics, socio problems and measures to be implemented to avoid repetition of identical issues in the future.

Proper utilization of the resources and technologies provided by the ICT helps the learners towards career development. It allows learners not to only to learn the new things but also teaches and enlightens the soft skills on how to communicate with higher officials, team management, time management and how to deliver the speech in precise and concise manner. Distribution of the resources and the valuable information is been delivered to all the group members through social networks or mails. The learners can be attracted towards instructors' research areas by presenting the their work, demonstrating the



benefits, marketing of products and assessing the work of the teammates, giving suggestions, solving the issues raised among the team, along with individual development. To know the issues and finding solutions and how to apply better solution to the problem seem to be very important to the learners. The storage of numerous solutions in public databases which can be made available through ICT products helps many other learners to address the identical issues. Internet can be utilized to connect with specialists and masters of the topic to share their information and experiences to the learners' basic ideas so that they can accomplish educated choices about credible issues. Learners might use information securing apparatuses and programming to gather, investigate and decipher logical or numerical information to bolster their examinations. Depending on the available solutions stored in the online databases, experts advice the best solution for problems and advance the learners' knowledge. Efficient utilization of technology assists for the innovation of new technologies, reception of the well formed information; strengthen communication between learners and experts as well as in socio-economic growth of the country.

IV.CONCLUSIONS

Use of ICT tools in OBE

ICT in Outcomes Based education provides the continuous amassed results of learner's carrier. Establishing the rapport and maintaining it between the experts, researches, tutors, professionals and learners helps in lifetime learning, personality development of the learner. Results enlightening the learners mind to constitute innovative ideas highlight their carrier growth in parallel gratifying

the outcomes of the curriculum. Influence of ICT on education transmission empowers the learners more. It will build adaptability with the goal that learners can get to the training paying little heed to time and geological boundaries. It can impact the way learners are trained and how they study. It would accommodate the rich environment and inspiration for instructing learning process which appears to remarkably affect the learning procedure in education so as to provide new potential outcomes for learners and instructors. These potential outcomes can effect on learner accomplishment and performance. Thus more extensive accessibility of best procedures and best course content in instruction can be unified through ICT that encourages better teaching and enhanced scholastic accomplishment of learners.

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