

Understanding the paradigm shift in teaching and learning

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ABSTRACT

Knowingly or unknowingly the teaching and learning takes place directly or indirectly in different forms (formal, non formal and informal) at different level (primary, secondary and higher education) from ancient to present era. Here the method of teaching and learning knowingly or unknowingly has been changing according to social change. In modern era the teaching and learning takes place with well formulated school environment and it is the primary source to generate skilled human resource. To enhancement of this primary and predominant process it is need of the hour to takeout the paradigm shift in the teaching and learning process.

Keywords: knowledge, environment, generate

Introduction

In this physical and humanistic world changing is the only unchangeable and it takes place in all fields such as agriculture, medicine, industrial activities including teaching and learning process. The people innate trait always seeks new things and adopting the new methods. The inventions make behavioral changes among human being and human beings behaviors leads new inventions too. It is not mean that all invention and its adaptations can make a healthy society. Here need to keep in mind that the healthy new technologies have to adopt and that have to transfer a sustainable humanism. Especially in the field of education to enhance teaching and learning more effective the paradigm shift, adaptation and flexibility is always very important.

Teaching and learning takes place from ancient period and it always transferring knowledge to the next generation. Here, to make the learner comfortable, to enjoy the learning and betterment of traditional teaching and learning the new technology and methodology are need to adopt as paradigm shift. There is lot of factors leads

behind to think about paradigm shift in teaching and learning, it includes Such as globalization, industrialization, population explosion, social changes etc.

A review of growth of technology and learning

Teaching and learning was started from our ancestors and it will continue as long as human being survival in the earth. It is revealed as follows

Phase	Techniques	Inventions
Phase first	Using sound to communicate	Stone tools
Phase second	Adaptation of simples to make meaningful voice/sound	Utilization of fire
Phase third	Gradual development of regional language	Invention of wheel
Phase fourth	Development of epics, inscription as painting and documentation	Used animal and trees, metallic tools
Phase fifth	Innovation in documentations	Pen ,Paper, Type writer
Phase sixth	Innovative reproduction	X-rox machine, T.V, Radio
Phase seventh	Modern technology – ICT	computer, internet, mobile phone, memory device

The technology / technique are reflected in all fields such as Agriculture, medical, physical science and human science, space science etc and it starts when an animal start to wear leaf, animal skin and tried to hide their body. Then started to agricultural activity and learned to generate and utilize fire and invented wheel. From this ancient period still now we have lot of advance technology and it will continue as long as the earth prevails.

In general technology / technique makes human comfortable in all filed and in education it helps in teaching and learning became better than previous acquiesce. To understanding this need some more clarification of Technology in education and Technology of education.

Technology in Education

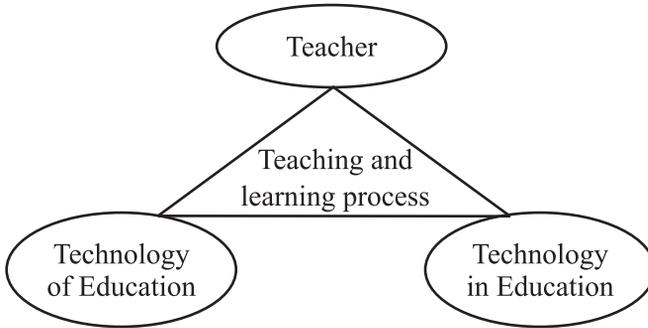
The utilizations of hardware and software products in teaching and learning process are known as technology in education. Such as pen, paper, type writer, TV, radio x-rox machine, teaching machine, computer, mobile, internet etc.

Technology of Education

The method / way of teaching are known as technology of education. It includes both traditional and modern methods such as Speech, lecture method, memorizing, debate, drill, peer tutoring, project, assignment, mentoring, seminar, workshop, field/industrial trip/visit etc.

Understanding the healthy paradigm shift in teaching and learning

The paradigm shift takes place in two ways such as technology in education and technology of education. It can reveals as the following diagram



The technology or technique helps human being to become comfortable. Here have to understand that utilization of technology alone can't be a healthy paradigm shift in teaching and learning process. To reclaim, to revamping, rejuvenating the skills, ethics, social, cultural values, morality, patriotism, empathy it is need of the hour to make assistance of technology in education along with traditional technology of education. It is not meaning that all traditional methods are need to shift but the valuable ancient methods are also need to practice in the modern class room to sustain humanity.

Sum up

The inventions and discoveries will be takes place as long as human being present in the earth. The technological inventions and adaptations of new methods have to enhance humanism and have to make remain human as human being. So any paradigm shift should not allow disseminating or decreasing the humanism. And the paradigm shift should not allow make distance the teacher away from students. It can conclude that any paradigm shift never replace a teacher in teaching learning process.

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