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RESEARCH ARTICLE

AN INSIGHT TOWARDS ICT, PEDAGOGY AND EDUCATIONAL METHODOLOGY IN INDIA.

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Abstract

According to The Organization for Economic Co-operation and Development (OECD), use of ICT (Information & Communication Technology) is there with students. We have to look into the importance of bolstering students' ability to navigate through. It's time for the teachers to get how the children learn and what they learn. The gap felt across teaching and learning should be addressed such that the future generations are blessed with. In this demanding world of productive demands, students KSA (Knowledge Skill & Ability) should be tapped properly to bring the innovative thought process out of their inner core. Pedagogy as a practice, if inculcated in all aspects of studies, India can foresee the thoughts of many visionaries who had dreamt about India. A practice with technology in education may take the system in a streamlined structure. This paper will focus on the importance of handshake of Information Technology with the Pedagogy through some appropriate methods of bridging the needs and demands to bring out the student's potential. Rather dividing the views with respect to Education and Technology, we tend to focus on Educational technologies along with a broader sense with a defined policy, training and education along with theory and practice.

Introduction:-

The Race between Technology and Education is always profound. There is a proportional triangular relationship amongst Industrial revolution, Digital revolution and social pain. A National Skill Development Coordination Board (NSDCB), is also coordinated by the Planning Commission was established in 2008 with a target of skilling 700 million people by 2022. Requirement of skill sets in 2022 in Education sector will be around 17.89% according to AICTE.The technological perspective is interpreted with the educational systems and discussed. It also not necessary always to have teacher-centered class room atmosphere, it could be also oriented towards students. Looking at these aspects we are in a situation to introspect the intersection where technology and pedagogy meet.

Computer technology is simply getting defined as what exactly has got evolved out of applying computer knowledge. The purpose of any technology is to simplify human efforts physically and mentally. It has been claimed that using technology effectively in classrooms has enabled teachers to be more successful and assists students in learning what they need to know to be effective citizens. The good thing is when we incorporate technology in education the learners are getting informed, able to visualize, dream and also to innovate with respect to it in their own way of interpretation.

Plan to Adapt the Technology:-

Some major concerns when we plan towards adapting the scheme are

- How to make students to feel comfortable with technology?
- How to correlate technical aspects with teaching?
- To what extend technology should be incorporated?
- How the technology will be differentiating the style of teachers?
- Problems related to handling class due to usage of technology.

However, most of teachers who practice scholastic methods with variations will be having a common question that how we can define redesigns new ventures with respect to technology. The technology will be giving the degree of edge to the teachers in pursuit of extracting the innovative thoughts and outcomes of the same. When technology seems to be an integrated factor a teacher is able to portrait the reality of the happenings. The system will make the learning approach to be as

- Student centered
- Problem solving
- Interdisciplinary
- Multi-facetted

Constructive Methodology:-

According to skills report there is a gap between demand and supply chain with respect to Industry. Directly teaching methods have a role to take part in that claim. Tapping or invoking talent could be done only when a concept is well communicated, visualized in understanding means then and there comes innovation with respect to implementation of the learnt. Skill shortage is growing epidemic.

"Hide not your talents, they for use were made, what's a sundial in the shade?" - Benjamin Franklin

Put into beautiful words by Mr. Franklin, captures the fact that anything not put into use looses importance. Same can be referred towards implementation of technology towards educational system.

The inculcation of Technology will lead to empowerment of Knowledge, Skills and Ability to handle and solve towards problems. It will further lead to tweak the ability of the children in the following means,

- Critical thinking.
- Independent learning ability.
- Self Improvisation.
- Building Knowledge domain of their own.
- Finding alternate solutions.

Technology a Building Block:-

A Variety of technological components are being used now-a-days like smart class rooms, E-assignments, Information Searches, Computer modeling, Social Engineering, Brainstorming, Editing and Revisions. Teachers use computers as a tool to express their view point and also making students aware of the recent trends and happenings. The system helps in gaining expertise over that concerned area along with the options to learn. The social media could also be used to transform the educational mode viral by making the information tips, handouts get resourced amongst children using the medium.

Using Information Technology we can help students by enhancing their ability with respect to brains cognition capability like left and right oriented approach. The learning orientation can be approached with respect to ordering and perception. It may have their derived approaches also. The trenchancy of an individual is always proportional to the methodology through which knowledge gets digested.

IT and Pedagogy:-

The following factors can play a pivotal role in the implementation perspective of the pedagogy.

- Technologies can focus to stimulate the development of intellectual skills.
- Technologies can contribute to boost knowledge, skills and ability.
- IT will lead to sagacious approaches.
- Willingness to explore new modes and means.
- Approach towards research.

Conclusive Theory:-

Technology, Pedagogy and Education welcome all inputs which amplify what is already done in the field of technology and pedagogy, and which will be of interest to those involved in teaching education. It's time for us to come up with alternate approach which may act as a bridge to fill the supply and demand of a nation. Technology and pedagogy will combine and formulate the igniting minds of our country where there may not be any employability factors accounted for.

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