



Research paper on “Use of Technology and Innovations in Education Sector: A conceptual study”

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Abstract

The education sector is becoming very popular and is having lot of demand and also well set by the students in the present conditions. The courses like traditional, professional other related courses are run by many Institutions in the country. The use of Technology is very necessary in the quality management and improvement of quality in these Institutes.

There is enormous potential for widening access to higher education and increasing the diversity of the student population. Online technologies provide opportunities to learn anywhere, anytime and from anyone. This flexibility is essential for non-traditional learners and will enable a shift change in the engagement of higher education institutions in lifelong and permanent learning and continuing professional development. This will provide an important tool to governments in ensuring a diversity of provision within higher education systems to meet the needs of all learners. It also provides a platform for reaching international markets and complements existing developments in cross-border education. Finally, new technologies can facilitate greater collaboration, both with global partners and at a more local level. Developing educational partnerships is an important element of any education strategy for cooperation with other parts of the world and also provides a mechanism for enhancing educational attainment rates in emerging economies. It's going to be more important to use to deliver quality education in next generation educational Institutes.

Keywords: innovation, technology, management, quality, students, learning, server

1. Introduction

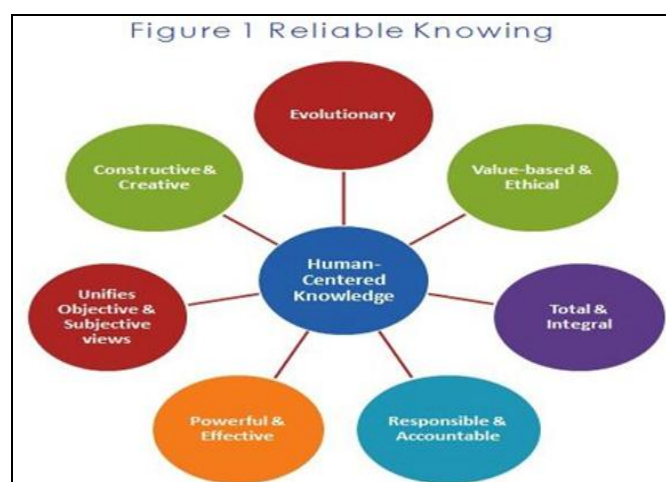
What will hold back the use of *technology* in *higher education* over the next five years?... The report *notes*, however, that while many digital literacy programmes are under way, the challenge “remains thorny” because of the need for more “comprehensive ownership... *Managing* knowledge obsolescence.

The higher education landscape is undergoing significant change as a result of technological innovations. We are witnessing changes in the way higher education is taught and in the way students learn. These new technologies and approaches to education are already having a clear and positive impact on higher education provision. Better quality learning and teaching for both on-campus and online provision, as educational resources from around the globe become more freely accessible and more interactive media for learning are employed. Methods of teaching can be better tailored to individual students' needs and advances in learning analytics are enabling quicker feedback on students' performance.

“Twenty-first century approaches to personalizing learning are founded on the principle that learning happens by doing rather than listening.” It's already seen by student's admission to online and distance learning courses. Some of these approaches are connected to interest-driven learning, in which instruction is personalized by allowing the student to select projects and problems that motivate them, whether it's the chemistry in environmental activism or the physics behind skydiving. Other methods involve the creation of learning

communities that offer small group work and opportunities for teachers to get more deeply involved in understanding the learning needs of their students.

2. Use of Technology in Higher educational Institutes - The Model of Learning by which is knowledge of the learner is enhanced.



Source:- <https://georgecouros.ca/blog/archive>

Fig 1: Reliable knowing

From the above figure 1. We can see how the best learning can take place like creativity, objectives, effective, value

based, ethical and integral with accountability and responsibility will enhance the knowledge of the learner.

3. Advantages of using technology in Higher Educational Institutes

The use of technology will have following main advantages.

- 1) Improvement in quality of learners
- 2) Improvement in teachers quality
- 3) Knowledge generation and dissemination in best way
- 4) Saving time of teachers in preparation of slides and lecture notes.
- 5) Better understanding level for difficult subjects.

5. Innovations and its requirement in Educational Institutes

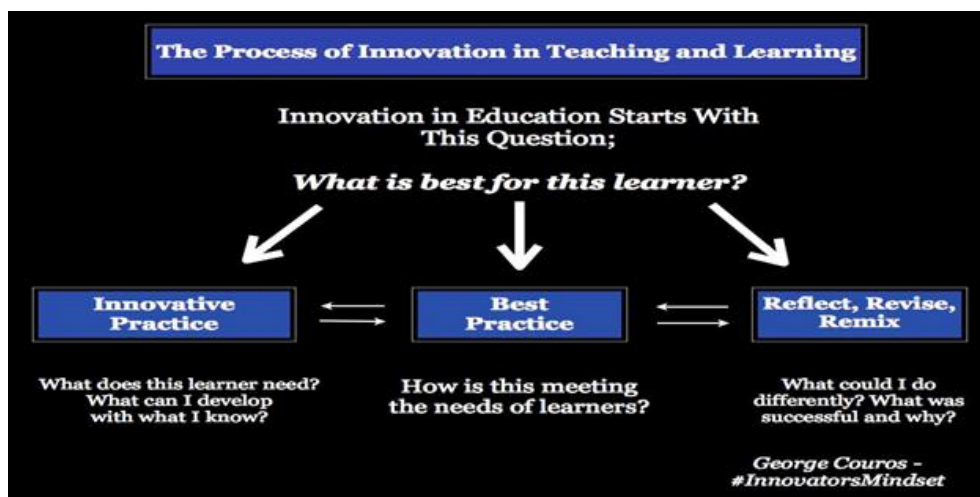


Fig 2: Source:-<https://georgecouros.ca/blog/archives/tag/the-process-of-innovation-in-teaching-and-learning>

As per the above fig 1.2. We can see how the process of innovation in teaching and learning is having effect on each other like Innovative practices should be followed for long time which then becomes best practices. All these should be again revised, studied and improved to make it better over a period of time.

6. Conclusion

The Technology is playing an important role in making the great advancement in companies and industries in this century. The use of technology at educational sector will affect the teaching learning process in positive and in turn improve the quality of students passing out from these Institutes. The Authors have done decent contribution by creating the awareness about this topic to the readers and the stake holders of the education. The innovations and technology only will be key players in coming years and the growth of using advanced technology in education area will be increasing in near future.

7. Acknowledgement

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4. Barriers in use of Technology in Higher Educational Institutes

- 1) Improving digital literacy
- 2) Solvable challenge: those that we understand and know how to solve
- 3) Integrating formal and informal learning
- 4) Achievement gap
- 5) Advancing digital equity
- 6) Managing knowledge obsolescence
- 7) Rethinking the roles of educators

The above barrier can be overcome by proper planning activities of the educational area with dedication and learner centric approach at all levels of education.

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