Learner Centric Innovative Pedagogic Strategies Using Technology

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Abstract

Teaching pedagogy now a days is experiencing a movement from teacher centric approach to learner centric approaches. Bloom's taxonomy is playing a pivotal role in instructional designing and updated teaching methodology developments. This paper is focusing on innovative pedagogogies for equitable education using technologies, as the recent generation is much more tech savvy. Use of EDUTECH will fulfill the objective of equitable learning in recent times.

Keywords- Innovative Pedagogy, EDUTECH, Instructional Design

INTRODUCTION

Teaching is more than just transmitting content and learning is more than just memorizing facts. Learning is about developing one's own understanding of content and integrating it into ones own mental framework. Teaching, then, is about designing activities that will enable this. All of this activity is what I call instructional design. Active learning can be achieved by developing the content focusing more on Learner Centric rather than Teacher centric. It engages the students in doing things for better understanding. There are various technology tools discussed in this paper, to promote innovative pedagogy for in depth learning, better understanding and increasing performance of learners. This paper will serve as a guide for future studies as well as for all academicians in context of out of the box thinking and making learning more interesting among the learners as we are living in the world of AI, ML, IoTetc,.So sticking to stereotype method of teaching can be dangerous in context of learners' engagement and learning objectives.

OBJECTIVES

- To identify few technology driven teaching tools for designing innovative teaching pedagogy
- To provide a reference for equitable education using active learning techniques.

LITERATURE REVIEW

The term "competence" is an evolving concept and therefore has completely different meanings for various individuals. For few authors, competence is outlined as the ability to perform explicit tasks and roles to the expected standards (Mulder et al. 2007) or the capability to accomplish the key activity tasks that characterize a profession to satisfactory standards (Kouwenhoven 2010). Competency-based training (CBT) is associated in nursing approach that enables students to earn qualifications through show of abilities and information in a required branch of knowledge utilizing a progression of painstakingly structured assessments. Under this, understudies step through exams, compose papers, finish assignments, and attempt mechanical assessments. This is as opposed to the conventional framework which places accentuation on hypothetical parts of aptitudes preparing. It is required to upgrade singular industry explicit needs as opposed to the gathering (Albanese et al. 2008; Anane 2013). Competency-based training (CBT) is request driven, and results depend on measures created from industry. Such principles shape the premise whereupon educational programs appraisal and learning materials are planned and created (Marguerite 2014). This methodology guarantees that all the students gain the essential equitable learning, aptitudes, and dispositions or qualities to be fruitful at institution. Under the methodology, every student is surveyed to discover the gap between the abilities they require as depicted in the preparation module and the aptitudes they as of now have. The contrast between the two is the aptitudes gap. A preparation program is then created to enable the student to secure the missing abilities. Following this, gauges are characterized to determine anticipated that word related jobs would be performed in the realm of work. These measures could be gathered into units to frame the premise of confirmation or grants for individuals who have effectively embraced the program. Credit esteems are allotted to units, and this could be founded on the substance and notional time expected to finish the procedure. For learners to be evaluated competent, they have to show their capacity to perform assignments to the standard expected in work (Aboko and Obeng 2015). As per Wu (2013), in the private and open segments,

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competency-based preparing is a prominent technique that focuses on enhancing learning, capacities, abilities, and authoritative execution. Boahin and Hofman (2013) focused on the requirement for scholastic orders to stop mine particular employability abilities required for social and network practice, as a reason for upgrading the employability aptitudes in preparing programs. Innovative teaching pedagogy is the quickest developing model in advanced education today and when a competency program is produced effectively, it makes the open door for the survey on the aptitudes and information the individual in question as of now has while additionally focusing on the abilities that the individual needs to create (Cunningham et al. 2016). In the studies directed by Woodhouse and Rasar King (2009) and additionally Cecil and Krohn (2012), the improvement of CBT content of a program with compelling result appraisal must pursue a progression of steps. These incorporate working with partners to build up the program's objectives as they identify with instructing, research, and administration, making program objectives that assistance disentangle the abilities, integrating and posting center and fixation skills, checking on a rundown for gaps and covers in capabilities by assessing the course learning results and appraisals, building up a quality confirmation process utilizing prospectuses, assessing experiential learning and connected research chances to create abilities at a larger amount, making an appraisal procedure, and recording understudy learning over the dog vinculum and persistent educational modules enhancement dependent on evaluation and assessment discoveries. These means, when pursued, make CBT a favored showing system opposite customary educator focused methodology.

TECHNOLOGY TEAHING TOOLS: MAIN THRUST AREA

In 1956, Benjamin **Bloom** headed a group of educational psychologists who developed a classification system for levels of cognitive skills and learning behavior. The classification system they created is often referred to as **Bloom's Taxonomy**.Bloom identified six levels within the cognitive **domain**, from the simple recall or recognition of facts, as the lowest level, through increasingly more complex and abstract mental levels, to the highest order which is classified as evaluation.

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Suggested Instructional Strategies for Use with Each Level of Bloom's Taxonomy

Considering the Blooms Taxonomy, Instructional designs have been redefined with use of modern educational technology for better and improved teaching pedagogy. There are different teaching tools using technology for effective classroom management, better understanding and fun with learn for better acceptance by the learners.

Using instructional design also helps us make appropriate media and technology choices. It's tempting to use a variety of different technologies just to spice things up but if the technology isn't chosen carefully it can distract, confuse and frustrate learners. By aligning your technology selection to your learning activities and learning objectives you help avoid that, as the rationale for using a particular technology will be clear to the learner.



A few EDUTECH to be incorporated in the Instructional design to make the teaching pedagogy more learner centric are as follows:

- > For QUIZ:Kahoot, Mentimeter, Quizlet, Socrative, Testmozetc,.
- > For SHARING IDEAS: Pearltrees, Popplet, Sticky Mooseetc,.
- ► For RESOURCES:Photostory, Tesresource, Thinglinkerc,.
- ➢ .For COLLABORATION:Edmodo, TeamUpetc,.
- ➢ For VIDEO ASSIGNMENT:EDpuzzle,

CONCLUSION

The following are the advantages of active learning using various tools:

- Student centered: learning new things by experiments through various in--class activities
- Focusing on development of students' understanding and other necessary skill sets; real life problem solving ability, collaborative and cooperative learning strategies
- Learners are involved in action-based learning which will generate motivation among them
- Learners will engage in critical thinking and analytical decision making with better problem solving ability as individual or as a team

This paper is a guide to many stakeholders like students, academicians and corporate trainers who might be benefited. This can be helpful to government also in context of organizing various workshops and seminars on various technology teaching tools on Train the Trainer (TTT) model. Empowered trainers will empower the future of India. We all are living in the era where knowledge, skills and execution of those skills set at right time, at right place are true milestones for the growth of our economy. We trainers, are the makers of India's future. In true sense, we are for national contribution of skill development. We all know that today's youth instantly Google for small problems soon after any session they attend. It is our accountability to implement certain teaching methodologies which may enhance students' interest as well as engagement. There are so many non-lecture methods to enhance students' interest. Students will not attend session just the purpose of completing their studies, but they will be able to understand

the content, will learn new things, will develop skills and then plough back for our dream Skill India." Skilled Youth- Skilled India"

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