COMPARATIVE STUDY ON TRADITIONAL AND MODERN TEACHING MODES INHIGHER EDUCATION

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Abstract: -
 21st century proclaimed as the era of information and communication technology. In today's world, with the development of information and communication technology, everyone is entering an era of change. Without online technology, nobody can imagine their work-life. Online technology plays the most important role in the field of education. As time changes, teaching & learning methods also have changed. Traditional methods of teaching were through oration and memorization techniques, but modern methods use interactive methods. This research paper highlights the traditional to modern teaching transformation, comparative study, analysis of traditional & modern teaching techniques. The major contribution of this research paper is the survey on conventional & modern teaching methods.

Keywords: - Traditional teaching, Modern teaching, Learning, Digitization.

I.   Introduction: -

 As per current scenario, India holds the highest position in education. Digitization is permeating the Indian education system and replacing traditional teaching methods. With modern technology, especially the Internet, education is no longer confined to the four walls of a classroom. Professors must have the ability to meet new challenges arising from ever-changing teaching and learning environment, including the digital transformation of educational institutions [1]. These rapid changes have seriously affect teachers working in the higher education system. Digital skills of the teaching staff can be trained as part of career development programs; participation enable trainers to encounter the increasing needs of the 21st century education of the century [2].

Despite the actual fact that on-line education is growing and evolving rapidly, several issues still not resolved. Therefore, its challenges and issues still be at the guts of interest of practitioners and researchers [3]. At the side of the popularity of on-line education, disadvantages area unit wide mentioned and debated [4,5]. While this is often a subject of criticism, it is unlikely that a full return to standard teaching and learning methods is possible. This inspire researchers and lecturers to stay searching for practices which will be useful

improving on-line teaching and learning in pedagogy [6]. Analysis on the effectiveness of distance learning has relevancy as a result of it encourages quality tutoring and learners to succeed academically. Understanding learner opinion differentiate between conventional and on-line learning challenges which will facilitate, determine student desires and develop ways in which to enhance teaching ways. The key issue of on-line education compared to conventional learning and training measured a lack of communal existence [7].

This research paper is divided in to six sections. Section 1 presents the role of digitization. Section 2 provides reviews & study of various teaching methods, Section 3 discussed teaching modes. Section 4 represents comparative study on the basis of effect of digitization on education sector. Section 5 represents the survey on modern teaching & traditional teaching. Finally, conclusion is presented in Section 6.

II.   Literature survey

This article highlights how modern educational technology can be used to foster progress in quality education, deepen educational reform, nurture creative talent, and sustainably develop talent, discusses the important role of educational quality in modern teaching technology [8].

This study highlights effect of digital transformation and the emerging changes in education sector due to digital transformation [9].

The author mainly focuses on the analysis of teaching methods, from the blackboard and chalk uses in conventional learning to use of presentation software, video, e- board and network resources todays in modern learning [10].

This research project focuses on how to provide digitally transformed education to learners and the different challenges and their possible solutions of digital education in India [11].

This article explored that practical learning or conventional learning method is more effective for the teaching. Literature is also reviewed to find and fill the gaps in the existing literature, which further validates the research. The results will help teachers and school administrators inspire the use of practical learning in the classroom [12].

This study compared learning through conventional and online learning modes in teaching an environmental science course by further assessing gender and class ranking factors. This data

demonstrates the ability to interpret environmental science notions equally for non-STEM majors across traditional and online platforms, regardless of gender or class rank [13].

III. Mode of Teaching

There are two modes of teaching which are discussed below: -

(a) Traditional teaching

In traditional teaching method, teachers teach through practice and rote learning. It is teacher-centered and involves orations and consultations but the problem-solving element is presented and discussed with the trainer; the curriculum, notes and the learner assessments will be taken by the trainer (Cottel & Millis, 1993). The conventional teaching methods discussed below[14]: -

Case studies This will benefit students in terms of developing their skills. This useful tool aided students for simplifying the progression of several significant competencies.

Collaborative Teaching This teaching method develops performance of the student rather than follow up the lectures only. On an ongoing basis, trainers will be able to learn from and with each other.

Homework Through this method, students can enhance their skills by solving intellectual and practical problems.

Pause method This includes intervallic breaks of the trainer for the period of the lecture and students may take part in written or verbal activities which will increase the performance of student.

(b) Modern Teaching

This approach focuses more on teaching the learners how to apply numerous new and creative ideas to improve their intellect and behaviour. Since the previous ten years, the use of high-tech equipment in educational institutions has rapidly increased. There are many contemporary devices that can be used to enhance classroom instruction. The following list of contemporary teaching techniques is provided [15,16,17]: -

Software Programs The greater than before the use of PCs in courses looks like to have a positive effect on saving valuable time, simplifying teaching process and improving the learning

process. Additionally, it helps develop specific skills such as writing, communication, interaction, collaboration, critical thinking, and perception. A variety of software programs are used to teach accounting and can achieve different teaching and learning goals. In fact, computer use is not restricted to software only, but also spread out the internet usage to access learning materials.

Flipped Classrooms Tutors teaching in the lecture hall can engage with the learners in the class digitally, making it easy for each learner to get the valuable input from the teacher. This capability in the digital age has better learners' involvement as it pools different teaching styles. All students receive a world-class education with no geographical limitation that traditional white chalk and blackboard instruction cannot provide.

Audio/Video based learning Audio/Video-based learning as part of digital marketing has grown in the Indian education sector and has made tutoring attractive, enjoyable and exploratory. It enables learning with non-entertainment learning pedigree with creativity, fun and card-based entertainment through great online apps, podcasts, videos, interactive software, e-books and interactive electronic board.

Massive open online course (MOOCS) A MOOC is an online course intended for indefinite enrolment and free access on the web. After US, India is considered to be the largest market for his MOOCs in the world. Since populace in India is enormous so a MOOC is set to revolutionize education for several Indians.

IV Comparative study

This section represents comparison of traditional & modern teaching on the basis of benefits & challenges, discussed below in the table:

	Traditional teaching	**Modern Teaching**
Benefits	• Instant feedback • Interaction between student & teacher • Numerical ability	• Enhanced Teaching and learning • Globalization • No Geographical limitation
Challenges	• Teacher-centered • Time and location constraints • Costly to deliver	• Weakening Writing skills • Increase incidents of cheating • Lack of focus because of intervention

Source: Dongsong Zhang, J. Leon Zhao, Lina Zhou, and Jay F. Nunamaker, Jr., (2004)[18]

V Result and analysis

Figure 5 shows the comparison between traditional & modern teaching. The comparison is done on the basis of the following parameters: Visualization, Understanding/concept building, Numerical ability, User friendly. The response of students, researchers and teachers shown in figure 5. The response was taken over Modern teaching and traditional teaching. From the figure, we can easily see that digitization has majorly effect today's education sector. It is clear that the growth of modern education has increased slightly over time.
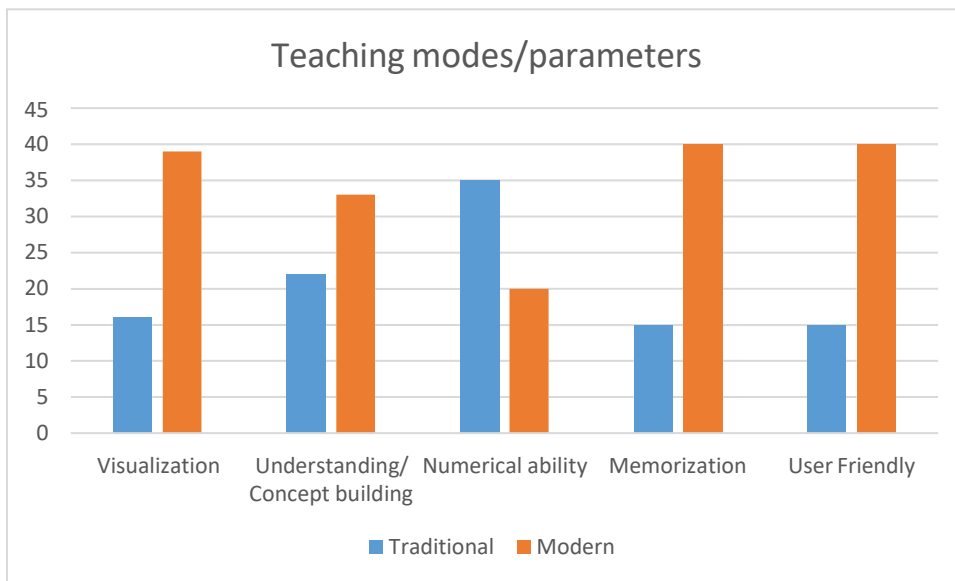

Fig5: Students, researchers and teachers response on traditional teaching & modern teaching

Source: self -proposed

According to the study, the latest educational tool "multimedia" is considered motivating and eye-catching for the teaching While in traditional teaching, the traditional blackboard as a teaching tool is seen as less interesting, does not encourage participation in classroom activities. However, although learners recognize the need for blackboards as they have been the most important teaching material in any classroom, they have fallen out of favour with traditional teaching materials in modern language learning. Of the two educational tools, multimedia is considered the most basic, preferred, and popular among language learners. Learners find that the latest materials are more relevant because modern tools engage students in the classes. It can take the learning experience to a new level and make learning fun and exciting for learners.

VI Conclusion

The research outcomes illustrate that majority of the learners, researchers and teachers who take part in the survey, have adapted to online environs and most would choose to keeping its

essentials in the future, joining lecture hall doings with remoteness learning. Maximum of the defendants found that digital education has no significant drawbacks compared to traditional teaching. Survey responses also indicated that the students perceive teacher as a facilitator of subject-related understandings and consider it to be the main role to perform both in the classroom teaching and teaching online among significant characteristics of online teacher, the defendants also recorded solid computer literateness and capability and wish to include every learner in tutoring practices. At the same time, it is obvious that learners expect their trainer to incorporate professional and positive personal characteristics and skills.

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