

Challenges of Online teaching for Students: An Analytical Perspective in technical education

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Abstract

Online schooling changes all parts of instructing and learning in advanced education. Online teaching is a unique climate whose three significant parts of teachers, students, and content influence one another. Students' troubles include students' assumptions, availability, character, and funding in internet-primarily based publications. Content teaching includes reconciliation of blended media in content material, the process of informative methods in the content material flip of events, and contemplations for the content material flip of events. Advanced education foundations need to pull together on realigning their instructive command to help expand admittance to courses for the 21st-century student through elective means. With the presentation of web-based learning, the whenever mantra taken up by numerous foundations was the initial step to addressing student needs for adaptability; in any case, the decision and assurance of conveyance mode dwell with the organization and course educators. The motivation behind this paper is to analyze the learning obstacles and difficulties of the students in Online classes.

Keywords: Online teaching, Distance Learning, Teaching or learning strategies, Online education, Advanced education, Educators, E-learning, Students

Introduction

Online education has become increasingly popular in most of the country's higher education within the last 20 years. The most superior training agencies believe that this steering method could be primary for the eventual destiny of superior training. The openness of the internet and the adaptableness of online guides have made internet-primarily based schooling a critical piece of superior training (Konetes, 2011).

Numerous quantitative examinations were directed to investigate the character of online publications from special perspectives. The major problem of learning hurdles can be the lack of technology in agencies, institutes, and schools. As a reaction to the converting surroundings wherein the educational sector

operates these days and, in particular, the growing diverse student population, many universities choose flexible shipping in their courses. However, there may be an inclination to be centered highly on technology per se and now no longer at the learning process. Eventually, educational technology itself which nonetheless lingering in the back of cutting-edge evolution in the information technology (IT) industry. Being more task-oriented, educational technologies are opposed to process-orientation and as such now no longer able to effectively assist an included observe process. However, being focused on technologies is more than focusing learning process. Though technology is now an inevitable part of the education system of any Nation.

The complete instructive framework from rudimentary to a tertiary degree has been imploded at some stage in the lockdown time of the radical Covid infection 2019 (COVID-19) in India in addition to throughout the globe. As the COVID-19 pandemic spreads, there was an increasing flow toward teaching on the internet due to the last down of schools, schools, and schools for a countless time body as the primary desire left (Martinez, 2020). Understudies, simply as educators, faced a variety of problems in internet-primarily based choosing up at some stage in this pandemic.

Online training become an educational shift from a traditional approach to the superior method of encouraging gaining from observing corridor to Zoom, from man or woman to virtual, and from workshops to online classes. Subsequently, that is the hazard to noticeably reexamine, patch up and overhaul our training framework withinside the tons inquiring for want of awesome modern-day instances. Casual and non-formal education is moreover incredibly impacted.

Literature Review

Arkorful, V., & Abaidoo, N. (2015) E-learning includes the usage of virtual equipment for teaching and learning. Use of technological equipment to enable beginners' study whenever and anywhere. It includes training, shipping of information, and feedback while motivating learners to have interacted with each other, share and recognize a different point of view. Its fluids conversation by improving the relationships that preserve learning. Despite a few demanding situations mentioned above, the literature has sought to explain the role of e-learning specifically and the way e-learning has made a robust effect on teaching and learning. Its adoption in a few establishments has improved the college and learner approach to information. Wealthy surroundings for collaboration amongst students can varnish academic standards.

Lucking, R., et al (2005) mentioned the significance of the learning concept with a specific consciousness on the academic utility of mobile technologies. This paper cautioned that one manner to apprehend a studying concept is to understand it as a Learner Centric Ecology of Resources. The assets may be deployed

variously to promote and help special sorts of mediations, consisting of the ones the trainer and learner. Techniques are informed with the aid of using sociocultural concept & is used to assemble a framework for the assessment of learning reports which embody numerous combos of people, areas, and information & technologies. The use of the Ecology of Resources framework to assess many learning concepts has proven that technology can be used to offer continuity throughout places: the right contextualization of activities throughout campus & domestic domain, for example, it has additionally supplied evidence to help the usage of technical systems so that students can become aware of methods wherein assets may be adapted to satisfy the desires of a learner.

O'Flaherty, J., & Phillips, C. (2015) explored the idea of a flipped classroom. At a time of increasing cost-reducing measures, it's far visible that universities and workplaces understand efficiencies withinside the flipped classroom. The lecturers additionally see this kind of classroom as a possibility for curriculum renewal and growing a greater student-focused approach. The flipped version can allow instructors to cultivate the crucial and unbiased concepts of their college students and to construct the capacity for lifelong gaining knowledge of, as a consequence making ready destiny graduates for his or her place of job contexts. However, there's a chance that educators renewing their curriculum won't completely recognize the pedagogy of the way to correctly translate the flipped magnificence into practice. The middle capabilities of the flipped gaining knowledge of approach consist of content material in advance, educator consciousness of college students' understanding, & higher-order gaining knowledge of at some stage in magnificence time. Outcomes of imposing a hit flipped elegance method have to take into account powerful student learning that helps crucial thinking and importantly improves student engagement, each inside and outside the elegance.

Montoya, M. S., & Hernández, D (2016) discussed about active learning and flexibility to learn. The outcomes showed that in flexible environments students invert their instances & spaces. The learning surroundings desire to be bendy, permitting college students to satisfy

with friends or connect to their computer systems at any location or time. Many students stated that because of flexibility in learning they have to spend much less than half their time inside the classroom. Then, they favored that the remaining of their studying hours is being allotted especially among the library and off-faculty grounds. Active learning, an academic trend has crucial implications for the usage of area & time for college students learning. For the instructor, it's not enough to genuinely provide evidence in a constrained area and time. They felt it intended to be a student, the scholars used the subsequent words: person, student, acquire, knowledge, learner, power, future & better. In inspecting the pedagogical opportunities that permit mastering to take location at a better level, it'd be exciting to perform research evaluating populations, methodologies & institutions.

Gray, K., & Tobin, J. (2010) detailed the method of imposing a mix of online & face-to-face gaining knowledge of and coaching in medical schooling putting which reviews on the academic effect of this innovation. The online groups produced excessive student scores of the best of learning and coaching & it produced student instructional outcomes that had been equal to the ones from face-to-face-best gaining knowledge of and coaching. Adding to it, the workforce had combined perspectives about the use of Online Teaching. The resulting state that robust incentives are required to inspire the medical workforce and college students to apply new modes of verbal exchange technologies. A multi-channel verbal exchange remarks device would possibly stimulate elevated adoption.

Hirsto, L. (2021) concluded that interest in education should be broadened beyond formal classrooms & that the complete campus, i.e., ought to be taken into consideration as a learning center. Today college students frequently produce other duties, including work and family, that make full-time participation in face-to-face coaching difficult or can be impossible. So, right here demand for greater bendy studying possibilities will become critical which additionally emphasizes the significance of taking part and participating with friends in the use of unique technology or changed timetables. At this stage, the role of ICT comes into play. Users first indicated the want for ICT gadgets supplied through the college and secondly, they

expressed a want for this generation for use to guide coaching in justified methods. Adding directly to it, a few college students are not able to return to campus to take part in face-to-face conferences as conventional full-time college students. So, to fulfill the wishes of those college students' universities have to offer a purposeful getting to know the environment, bendy participation options (time and place) to them. Educators have to increase new face-to-face coaching techniques to permit distance participation & introduce methods to look at online.

Kim, K. J., et al (2005) discussed that students displayed an excessive stage of pride with online learning in the online MBA program. College students additionally included their practices closer to the web learning surroundings. The consequences of the observation found out that the online MBA students examined that the online learning turned into useful context due to the fact the online training layout supplied them with the ability in getting to know and the possibilities for extra interplay with instructors. Adding on to it, the college students showed that the digital teaming reports in the web MBA guides have been useful for them to broaden digital crew skills, that's an essential talent for them to the system to carry out in a more and more worldwide commercial enterprise surroundings. Many scholars additionally indicated that online getting to know may want to likely be extra hard than getting to know in conventional classes. The students identified out that it turned into tough to talk with their peers because of their time region variations & the absence of contacts with a few of the college students in online studying. The college students additionally talked about schedule remarks received from the trainer because the absence of actual verbal exchange with the trainer turned into hard to their online learning.

Objective of the Study

To study the role of challenges of online teaching for students

Methodology

The study is empirical. 200 respondents participated in the study. The data was collected

from them through a structured questionnaire. Mean and t-test application was done to identify the results. The method of sampling was convenience sampling.

Finding of the study

Table 1 displays the gender, where the male respondent is 51.50% and the female respondent is 48.50%. Looking at the Age of the

Respondents, those who are of 15 to 20 years are 29.50%, those between 20 to 25 years are 37.50%, and 25 years & above are 33.00%. Regarding preferred location, Primary Education is 36.00%, Secondary Education is 28.50% and Tertiary Education is 33.00%. Looking at the preferred location, Classroom is 20.00%, Library is 7.50%, Science Laboratory is 16.00%, ICT Laboratory is 22.00%, Multimedia classroom is 19.00%, At home is 8.50% and other locations are 7.00%.

Table1 Respondent's Details

Variable	No. of respondents	Percentage
Gender		
Male	103	51.50%
Female	97	48.50%
Total	200	100%
Students' Age		
15 to 20 years	59	29.50%
20 to 25 years	75	37.50%
25 years & above	66	33.00%
Total	200	100%
Preferred Education		
Primary Education	72	36.00%
Secondary Education	57	28.50%
Tertiary Education	71	35.50%
Total	200	100%
Preferred Location		
Classroom	40	20.00%
Library	15	7.50%

Science Laboratory	32	16.00%
ICT Laboratory	44	22.00%
Multimedia classroom	38	19.00%
At home	17	8.50%
Other Locations	14	7.00%
Total	200	100%

Table2 Role of challenges of online teaching for students

Serial No.	Statement of Survey	Mean Value	t-Value	Sig.
1.	Students complain of lacking motivation due to a lack of interpersonal touch between the students and the teacher in the online classes.	4.98	19.050	0.000
2.	To proficiently learn through an online system requires understanding the workings of multiple software, which presents a huge learning curve.	4.32	9.927	0.000
3.	The physical presence inside a classroom with a teacher and fellow peers often leads to an atmosphere that can't be replicated through virtual means.	4.20	8.264	0.000
4.	With the lack of any accountability in the online teaching method, education quality often becomes compromised.	4.11	6.151	0.040
5.	Low-income families or disabled students face difficulty in benefiting from the use of ICT in schools.	4.12	6.561	0.000
6.	The online courses for degrees are often not accredited and mostly not recognized by the job market or other institutions.	4.76	15.037	0.000
7.	Online classes help teachers to provide reading material, assignments, communication via email, live chats or messages and delivering content by live sessions, presentations, recorded videos or lectures for the students.	3.68	2.232	0.014
8.	Many students are not well equipped with a high internet connection that is required for online learning.	4.30	10.971	0.000
9.	Students lack effective communication skills during online learning.	3.55	0.653	0.258
10.	Students start losing hope once they find difficulty in online learning as it requires motivation to complete tasks and engage students with their learning.	4.22	9.457	0.000

Table2 displays the Mean values for statement for the studying “the role of challenges of online

teaching for students”, looking at the mean scores, the highest mean score is gained by the

statement “Students complain of lacking motivation due to a lack of interpersonal touch between the students and the teacher in the online classes”, the mean score of 4.98,” next statement is “The online courses for degrees are often not accredited and mostly not recognized by the job market or other institutions” has the mean score of 4.76. Mixed learning is also found to be responsible for students’ development as shown in the statement “To proficiently learn through an online system requires understanding the workings of multiple software, which presents a huge learning curve” having the mean value of 4.32. Another concern of online teaching is technical initiatives, “Many students are not well equipped with a high internet connection that is required for online learning” the mean score is 4.30, the statement “Students start losing hope once they find difficulty in online learning as it requires motivation to complete tasks and engage students with their learning” shows the mean value of 4.22, mean value of 4.20 is scored by the statement “The physical presence inside a classroom with a teacher and fellow peers often leads to an atmosphere that can’t be replicated through virtual means”. “Low-income families or disabled students face difficulty in benefiting from the use of ICT in schools” mean score is 4.12. The statement “With the lack of any accountability in the online teaching method, education quality often becomes compromised” shows the mean value of 4.11. The last two statements are in the lowest range, “Online classes help teachers to provide reading material, assignments, communication via email, live chats or messages and delivering content by live sessions, presentations, recorded videos or lectures for the students” mean value of 3.68, the statement “Students lack effective communication skills during online learning” has the mean value of 3.55. The T-value of every statement in the context of the role of challenges of online teaching for students is significant because t-value statements are found to be significant & a positive value also less than 0.05.

Conclusion

This paper ends in the realization that advanced education agencies want to present talented development to educators, education for students, and a specialized assist for the widespread development and conveyance of

online publications to cope with the problems in internet-primarily based training and improve the viability of web-primarily based educating and learning. Advanced training foundations anticipate a focal component in upgrading the character of online schooling through supplying assist for educators, students, and content material flip of events. Learners who enjoy combined learning will see the arena as they are aware of it that is contemplated in the applications where they analyze and could set up crucial thinking abilities to take part in a society where our requirement to create, collaborate and communicate in digitally mediated networks. Teachers, policy-makers, administrators, and teacher training and expert improvement functions now must embed those types of equipment and assets into their thorough practices. To work with collaborating families, researchers, cultural authorities, and all different stakeholders, those corporations can get rid of inefficiencies, reach beyond the separation of conventional classrooms, and form robust partnerships Ing to assist everywhere full-time learning. To create multimodal approaches to cope with accomplishing direction content material objectives for higher mastering consequences may be an advanced plan to manipulate the intricacy of online training. Unflinchingly, the states must assure the accessibility of strong specialized devices, top-notch automated scholarly insight, and superior innovation empowered mastering for understudies to attach the variations that began out withinside the schooling framework. Hardly any method must be accounted to foster such an academic plan that mirrors the discernible change withinside the substance facts and mastering enjoy of understudies simply as empower them to suppose basically.

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