Teacher's Attitudes Towards E-Learning in Higher Secondary

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Abstract: *The rapid integration of technology in education has ushered in a new era of learning methodologies, with E-learning playing a pivotal role in higher secondary education. This research paper aims to investigate and analyze the attitudes of teachers towards E-learning in the higher secondary education sector. The study employs simple random sampling technique survey to gather comprehensive data from educators. The research focuses on understanding the factors that shape teachers' attitudes towards E-learning, exploring the challenges they face, and identifying the perceived benefits of integrating digital platforms into the teaching-learning process. By delving into the individual experiences and perspectives of teachers, this study seeks to provide valuable insights into the dynamics of technology adoption in educational settings. Furthermore, the research examines the impact of teacher attitudes on the effectiveness of E-learning implementation, considering factors such as technological proficiency, pedagogical adaptability, and institutional support. The findings of this study contribute to the existing body of knowledge on E-learning in higher secondary education and offer practical recommendations for educational policymakers, administrators, and teacher professional development programs. Ultimately, this research aims to foster a deeper understanding of the complex interplay between teacher attitudes and the successful integration of E-learning in higher secondary education, paving the way for informed decisions and strategies to enhance the overall quality of digital education in this critical academic stage*

Keywords: E-learning

I. INTRODUCTION

In the swiftly evolving landscape of education, the infusion of technology has become an integral facet of pedagogical strategies. One of the notable advancements in this realm is the emergence of E-learning, a mode of instruction that utilizes digital platforms to facilitate learning experiences. In the context of higher secondary education, where the academic foundation is laid for future pursuits, understanding the attitudes of teachers towards E-learning becomes paramount. The dynamics of education are undergoing a paradigm shift, with E-learning offering a myriad of possibilities to enhance and complement traditional teaching methodologies. As technology continues to permeate various aspects of daily life, educators are presented with the challenge of adapting their teaching approaches to meet the evolving needs of the digital age. Consequently, exploring the attitudes of teachers towards E-learning in the higher secondary context becomes not only timely but imperative. This research seeks to delve into the nuanced landscape of teacher perceptions and attitudes concerning E-learning in higher secondary education. By understanding the perspectives of educators, we can uncover the factors that influence their acceptance or resistance to integrating technology into the teaching-learning process. This exploration is essential for informing educational policies and practices that strive to harness the potential benefits of E-learning while addressing the concerns of the teaching community. The objectives of this study extend beyond a mere examination of attitudes; it aspires to identify challenges faced by teachers in adopting E-learning, delineate the perceived advantages that motivate or hinder technology integration, and shed light on the broader implications of these attitudes for the efficacy of digital education in higher secondary settings. As we embark on this inquiry, it is crucial to recognize that the successful implementation of E-learning is contingent upon the willingness and enthusiasm of teachers to embrace this transformative educational approach. Through a comprehensive examination of teacher attitudes, this research endeavors to contribute insights that can inform educational stakeholders, administrators, and policymakers, fostering an environment where E-learning becomes a catalyst for an enriched and adaptive higher secondary education experience.
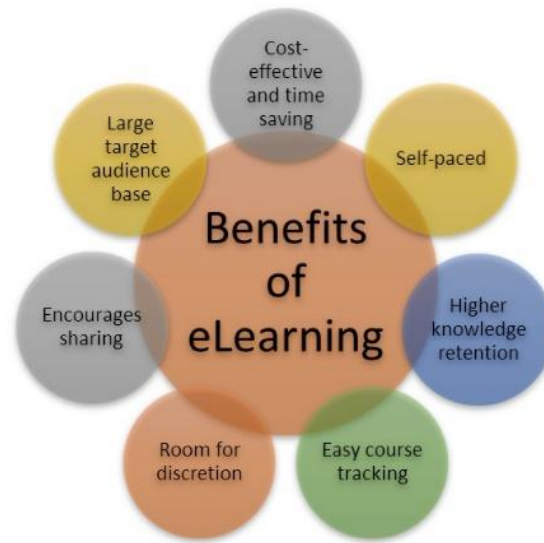
II. BACKGROUND

The advent of the digital age has ushered in transformative changes across various sectors, and education is no exception. In recent years, there has been a notable shift in teaching methodologies, with a growing emphasis on incorporating technology to enhance the learning experience. Higher secondary education, a crucial juncture in a student's academic journey, stands at the intersection of traditional pedagogy and innovative approaches like E-learning.

E-learning, broadly defined as the use of electronic media and technology for educational purposes, encompasses a range of tools and platforms that facilitate remote learning, interactive engagement, and personalized instruction. The rise of online courses, digital resources, and collaborative learning environments has introduced a new dimension to education, challenging conventional norms and offering educators and students unprecedented opportunities for exploration and growth.

In the context of higher secondary education, where students are preparing for higher education or entering the workforce, the integration of E-learning presents both opportunities and challenges. The effectiveness of E-learning is intricately tied to the attitudes and perceptions of the educators who play a pivotal role in shaping the learning environment. Understanding the background factors that influence teacher attitudes towards E-learning is essential for crafting strategies that foster successful implementation and utilization of digital tools in the classroom.

Several factors contribute to the complex landscape of teacher attitudes in the realm of E-learning. These include technological literacy, pedagogical beliefs, institutional support, and the perceived benefits and challenges associated with digital instruction. Teachers, often the linchpin in educational innovation, must navigate this landscape while balancing the demands of a curriculum that is both rigorous and responsive to the needs of a digital-native generation.

The educational landscape is evolving rapidly, and the traditional dichotomy between brick-and-mortar classrooms and virtual learning spaces is becoming increasingly blurred. As we delve into the background of teachers' attitudes towards E-learning in higher secondary education, it is crucial to recognize the potential of technology to enhance educational outcomes and prepare students for a future where digital fluency is a prerequisite for success.

In this backdrop, this research aims to unravel the intricate interplay of factors that shape teacher attitudes towards E-learning, contributing valuable insights to the ongoing discourse on the integration of technology in higher secondary education. By understanding the background nuances, challenges, and opportunities, we can better navigate the path towards a harmonious coexistence of traditional pedagogy and innovative E-learning practices in the critical phase of higher secondary education.

2.1 OBJECTIVES OF THE STUDY

To study the influence of locale, stream and their interaction on attitude towards e- learning (Higher secondary school teachers)

2.2 HYPOTHESIS OF THE STUDY

There is no significant influence of locale, stream and their interaction on attitude towards e- learning (Higher secondary school teachers)

III. DATA ANALYSIS AND INTERPRETATION:

Tests of Between-Subjects Effects

Dependent Variable: Scores

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	325.929[a]	3	108.643	.768	.514	.021
Intercept	2754411.571	1	2754411.571	19477.915	.000	.994
Locale	217.286	1	217.286	1.537	.218	.014
Stream	15.750	1	15.750	.111	.739	.001
locale * Stream	92.893	1	92.893	.657	.419	.006
Error	15272.500	108	141.412			
Total	2770010.000	112				
Corrected Total	15598.429	111				

a. R Squared = .021 (Adjusted R Squared = -.006)

LOCALE

Estimates

Dependent Variable: Scores

Locale	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
RURAL	155.429	1.589	152.279	158.578
URBAN	158.214	1.589	155.064	161.364

Pairwise Comparisons

Dependent Variable: Scores

(I) locale	(J) locale	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
RURAL	URBAN	-2.786	2.247	.218	-7.240	1.669
URBAN	RURAL	2.786	2.247	.218	-1.669	7.240

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

STREAM

Estimates

Dependent Variable: Scores

Stream	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
COMMERCE	156.446	1.589	153.297	159.596
SCIENCE	157.196	1.589	154.047	160.346

Pairwise Comparisons

Dependent Variable: Scores

(I) Stream	(J) Stream	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
COMMERCE	SCIENCE	-.750	2.247	.739	-5.205	3.705
SCIENCE	COMMERCE	.750	2.247	.739	-3.705	5.205

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

It is clear that for locale at degree of freedom $(1,108)$ F value is 1.537 and two tailed significance value is 0.218 which is greater than 0.01 level of significance.

Similarly for stream at degree of freedom $(1,108)$ F value is 0.111 and two tailed significance value is 0.739 which is greater than 0.01 level of significance.

For interaction between locale and stream at degree of freedom $(1,108)$ F value is 0.657 and two tailed significance value is 0.419 which is greater than 0.01 level of significance. Hence it is nit significant at 0.01 level of significance. Hence null hypothesis –

"There is no significant influence of locale, stream and their interaction on attitude towards E- Learning (Higher Secondary school teachers) is not regrated.

Therefore, it can be concluded that locale has no significant influence on attitude towards E- Learning (Higher Secondary school teachers).

Stream has no significant influence on attitude towards E- Learning (Higher Secondary school teachers).

And stream and locale interaction does not influence on E-Learning attitude of higher secondary school teachers.

3.1 MAIN FINDING

There is no significant difference between the teachers of rural and urban areas as well as there is no significant difference between teachers of different streams that is commerce and science.

3.2 EDUCATIONAL IMPLICATIONS

1. The research work is considered worthwhile only if it has some importance for related area. This study has implications for the teacher educators; the teacher educators may be encouraged to make use of the online resources at the institution for their academic and professional development. Efforts may be made to train the teacher educators. Teachers play an important role in the implementation of e- learning in teaching and their attitudes have proved to be significant predictions of technology use in other words, teacher educator attitude towards the use of e-learning for educational purposes is one key factor for the success of the internet. Education is facing the challenge between technological advancement and educational innovations. E- Learning has shown great potential in bridging the gap between these two ends. Since the findings of our study shows the attitude of teacher educators towards e-learning is positive. E-learning development is not just about the technology.

2. Positive attitudes towards e-learning often correlate with increased student engagement. Teachers who embrace digital tools and interactive platforms can create a more dynamic and captivating learning environment, fostering motivation among students.

3. Teachers with a positive attitude towards e-learning are more likely to explore and implement personalized learning strategies. Technology enables the customization of learning experiences based on individual student needs, allowing for a more tailored approach to education.

4. A proactive attitude towards e-learning implies a willingness to continually update teaching methodologies. Teachers who embrace technology are more likely to pursue ongoing professional development opportunities, ensuring they remain adept at leveraging the latest educational tools and platforms.

5. E-learning can break down geographical barriers, exposing students to diverse perspectives. Teachers who view e-learning positively are more inclined to integrate global perspectives into their curriculum, fostering a more cosmopolitan worldview among students.

IV. RECOMMENDATIONS:

1. Recommendations for Further Research Teacher's first-hand experience has a positive effect on his or her use of e-learning environments. Therefore, teachers should be encouraged to try e-learning strategies in their own courses. For example, they could be assisted in preparing e-content for their courses.

2. It is necessary that, in the near future, e-learning environments are to be made popular among college and university teachers in the Indian context.

3. Attitude plays a vital role in using technology as a strong tool for a positive change.

4. As the study was limited in terms of locale and stream, the researchers can compare between more districts or subjects.

5. As the present study was focused on higher secondary school teachers only so, a similar study can be done on college/University teachers also.

REFERENCES

[1]. Dalton HKissaga(2016), Determinants of Teachers' Attitudes Towards ELearning in Tanzanian Higher Learning Institutions. International Review of Research in Open and Distributed Learning Volume 17, Number 5.

[2]. Kisanga and Ireson(2016). Test of e-Learning Related Attitudes (TeLRA) scale: Development, reliability and validity study. International Journal of Education and Development using Information and Communication Technology (IJEDICT), 2016, Vol. 12, Issue 1, pp. 20-36

[3]. Tyagi, P.Teaching as a preferred career choice. Haryana Swarna Jayanti National conference on Teacher: A Reflective Practionar For Quality Education; 2017 May 5-6; Kurukshetra, Haryana.

[4]. Wasserman, E., & Migdal, R. (2019). Professional development: Teachers' attitudes in online and traditional training course. Online Learning, 23(1), 132-143. doi:10.24059/olj.v23i1.1299.

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