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Navigating the Digital Shift: The Evolving Role of Tutors in Online Learning in India

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ABSTRACT: The unprecedented digitalization of India's education sector in the wake of the COVID-19 pandemic has dramatically changed conventional paradigms of learning. At the forefront of the change is the new trend toward online learning platforms and their concurrent reconfiguration of the tutor's role. This study investigates the complex role of online tutors in India, their effect on student engagement, academic performance, and overall student satisfaction. Based on both qualitative and quantitative approaches—surveys, interviews, and statistical comparison of e-learning achievements—the research delves into how tutors are modifying their pedagogical approaches, utilizing technology, and facing challenges like digital literacy, student motivation, and institutional support. The research has found that tutors have an imperative role to play not just as content providers but also as facilitators, motivators, and emotional supports. The article ends on a note discussing policy suggestions and the way ahead to empower the tutors in the fast-expanding Indian ed-tech sector.

I. INTRODUCTION

India, one of the globe's largest and most heterogeneous educational systems, has seen a great change in the past few years, led increasingly by the boom in digital infrastructure and the proliferation of the ed-tech industry. The COVID-19 pandemic starting in early 2020 also served as an enormous driver for this transformation. With schools, colleges, and universities being compelled to close to stem the spread of the virus, more than 320 million students were impacted, the Ministry of Education said. This prompted a near-universal shift to online learning throughout the nation. What was initially a response to a crisis soon became a new normal, with virtual classrooms taking over physical ones, and digital learning aids becoming a mainstream component of the education system.

The revolution created through this digital turn has drastically reconfigured the profile of teaching and learning. Foremost among such a change has been the remodelling role of tutors themselves, who have been required to evolve at short notice to support a digital-leading model of teaching and learning. Historically, tutors worked under a largely face-to-face configuration, where body-to-body presence, physical touch, and interaction within class room space were salient aspects of successful teaching. The online shift, however, has changed these dynamics to mean that tutors must now adopt technology as a fundamental aspect of their professional arsenal.

In summary, the evolution of India's education sector over the last decade, spurred by the pandemic, has revolutionized the role of tutors in deep ways. From their traditional role as teachers in traditional classrooms, they have become all-around professionals who need to integrate pedagogy, technology, and empathy effectively. This is a challenging task, but one that also holds the promise to build a more adaptive, diverse, and student-centered education system for the future.

1.1 Problem Statement

Despite the proliferation of online education tools and platforms in India, there is a lack of comprehensive understanding of how tutors are adapting to these environments and what impact their roles have on student outcomes. While technological infrastructure and student access have received considerable attention, the human factor—specifically, the evolving role of tutors—remains underexplored. Moreover, the disparity in digital literacy and access across regions and socio-economic groups adds layers of complexity to the tutor's role.



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II. OBJECTIVES OF THE STUDY

This research seeks to:

1. Examine the current roles and responsibilities of tutors in online learning settings across India.
2. Analyze the challenges faced by tutors in adapting to digital education.
3. Evaluate the effectiveness of online tutoring in terms of student learning outcomes and engagement.
4. Provide recommendations to enhance the role of tutors in the Indian online education ecosystem

2.1 Research Questions

- How has the role of tutors evolved with the rise of online learning in India?
- What strategies are tutors employing to engage and support students in virtual environments?
- What are the major challenges tutors face in online education settings?
- How does tutor involvement correlate with student academic performance and satisfaction?

2.2 Literature Review

Historical Role of Tutors in Education Tutoring in India has deep historical roots, exemplified by the ancient guru-shishya tradition, which was not merely an educational setup but a highly relational and holistic model of learning. In this system, the guru (spiritual and intellectual guide) lived with and mentored the shishya (disciple), imparting not only academic knowledge but also moral values, life skills, and personality development. Learning occurred in gurukuls, often located in forest hermitages or isolated settings, where knowledge was shared orally in dialogic formats and through experiential learning. Mukherjee (2010) highlights that the guru-shishya model focused on the development of wisdom rather than the mere memorization of facts, with tutors being highly esteemed and the relationship based on discipline, trust, and sustained interaction. This contrasted with the time-bound, commodity-driven tutoring models of today. The introduction of mass education during the colonial and post-independence periods, however, led to the decline of individualized instruction, as standardized curriculum-based models became prevalent.

Simultaneously, the Western tradition of one-on-one tutoring had its roots in the aristocratic circles of Europe, where private tutors were employed to teach subjects like languages, mathematics, and the arts. This model influenced the evolution of formal education systems, particularly during the 19th and 20th centuries as mass schooling expanded. A key moment in the study of tutoring came with Benjamin Bloom's research in the 1980s, particularly his paper *The 2 Sigma Problem* (Bloom, 1984), where he demonstrated that students receiving one-on-one tutoring performed two standard deviations better than those taught in traditional classrooms. Bloom's research highlighted the advantages of personalized tutoring, such as immediate feedback, adaptive pacing, and increased student motivation and engagement. However, he also recognized the challenges of replicating such models at scale, a concern that continues to fuel debates around online tutoring and AI-driven personalized learning today.

2.3 Digital Pedagogy and the Evolving Role of Tutors in Online Learning

The development of digital pedagogy reflects broader shifts in teaching and learning within a networked society. Laurillard (2012), in her influential book *Teaching as a Design Science*, emphasizes the importance of addressing teaching as an iterative design process, where digital tools are selected intentionally to support pedagogical objectives. Successful digital pedagogy goes beyond merely transposing traditional teaching methods to digital formats; it involves reconceptualizing teaching practices to leverage the unique affordances of digital environments. This includes the use of adaptive technologies for personalized learning, digital discussion boards for collaboration, and multimedia or game-based content for engagement. The Community of Inquiry (CoI) framework, introduced by Anderson (2008), Garrison, and Archer, is foundational to online pedagogy, asserting that effective online learning arises from the intersection of cognitive, social, and teaching presences. Cognitive presence refers to the ability of learners to construct and establish meaning through reflection and discussion, social presence is the capacity of learners and instructors to establish social and emotional connections in online environments, and teaching presence involves the facilitation and direction of cognitive and social processes to achieve learning goals. Building on this model, Salmon (2011) further explores the phases of online interaction, emphasizing the evolving competencies required of tutors, who must balance content delivery with engagement strategies that foster a sense of presence, belonging, and collaborative inquiry. This marks a radical departure from the traditional tutor role, which was primarily focused on content expertise and exam preparation.



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2.4 Online Learning Landscape in India

India's ed-tech industry has seen unprecedented growth, with the sector valued at \$2.8 billion in 2020, as per KPMG (2020), and projected to surpass \$10 billion by 2025. This rapid growth is fueled by rising smartphone penetration, government campaigns such as Digital India, and the changing needs of a vast student population seeking quality education beyond the confines of traditional classrooms. Platforms like Byju's, Unacademy, Vedantu, Toppr, and Simplilearn have revolutionized the delivery of education. These platforms use a combination of recorded content, live tutoring, adaptive learning engines, and personalized dashboards. Tutors have become brand representatives and pedagogical anchors, responsible for delivering content to millions of geographically dispersed learners. Research by Sinha (2021) and Choudhury (2020) indicates that these platforms typically hire tutors based on subject matter expertise and communication skills, but their roles expand to include monitoring performance, providing feedback, and engaging with the community. The scale and pace of content delivery demand high levels of digital fluency and flexibility from tutors, which are often not supported by formal training.

2.5 Tutor-Student Dynamics in Virtual Learning

The student-tutor bond remains a cornerstone in defining online learning effectiveness and quality. With education moving more and more into the virtual arena, tutors have undergone tremendous change from knowledge conveyers to multi-faceted facilitators, emotional supporters, and learning designers. This is especially true in nations such as India, where brisk ed-tech development meets deeply rooted traditional pedagogies and an examination culture. A fundamental model influencing conceptualization of online pedagogy is the Community of Inquiry (CoI) model, conceived by Garrison, Anderson, and Archer (2000), and elaborated by Garrison et al. (2010). Among its central components, teaching presence, are the organization and design of instruction, the facilitation of discussion, and direct instruction of students. In such a model, tutors are not just expected to provide educational content, but also to manage productive cognitive and social interactions. Visibility, responsiveness, and the provision of guidance of discussion threads and collaborative activity have substantial impacts on the perception of instructional quality. Research supports that high-quality teaching presence is linked with higher learner satisfaction, more meaningful engagement, and better academic achievement (Shea et al., 2010). This transformation requires tutors to develop new skills in instructional design, digital communication, and student engagement strategies—domains not conventionally prioritized in teacher training programs, particularly in the Indian context.

2.6 Gaps in the Literature

In spite of the increasing importance of online tutoring and e-education, significant research gaps remain on the changing role of tutors, especially in the Indian context. A dominant concern is the inadequate attention to tutor training and professional development, particularly in e-pedagogy. Although most studies evaluate student performance, few examine whether tutors can use learning management systems, assessment tools, and digital communication tools. This is compounded by the underrepresentation of rural, low-income, and vernacular tutors who are frequently caught by infrastructural constraints and locked out from the dominant academic conversation. The overlooking of tutors' emotional and mental health is also a critical concern. Tutors' emotional labor and cognitive overload—arising from prolonged screen exposure, platform juggling, and emotional support responsibilities—have remained underemphasized, yet remain critical to long-term teaching sustainability.

III. METHODOLOGY

The research uses a mixed-methods research design, which integrates both qualitative and quantitative methods to explore the complex and dynamic role of tutors in online learning environments, especially in the context of Indian education. The use of a mixed-methods approach is justified due to the nature of educational phenomena, where numerical trends are insufficient to represent the complexities of tutor experiences, pedagogical accommodations, and technological issues. By combining structured survey information with rich interview narratives, this design maintains a balance between statistical validity and contextual depth. Quantitative information in this study is gathered through structured surveys conducted among a varied sample of tutors from urban, semi-urban, and rural areas. These surveys are aimed at measuring quantifiable trends around digital platform usage, access to training, workload, teaching approaches, and self-reported measures on student engagement and academic performance. The data will be statistically analyzed using the proper techniques to look for patterns, correlations, and significant variables impacting tutor effectiveness in digital learning. This quantitative phase seeks to yield generalizable findings to a broad population, determining overall challenges and achievements related to online tutoring.



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3.1 Study Population and Sampling Strategy

To complement the population of tutors, the research also encompasses students who are registered for these online tutoring services. These students form an important voice in determining the efficacy, accessibility, and emotional influence of online tutoring methods. Students vary in age, academic caliber, and socio-economic status, ranging from students studying in top private schools, government schools, and rural regions with poor infrastructure.

3.2 Data Analysis

3.2.1 Quantitative Analysis

The quantitative analysis of the research was done applying the Statistical Package for the Social Sciences (SPSS) to process and analyze data gathered from the structured questionnaires that were given to both tutors and students in an organized manner. After collection of data, answers were carefully cleaned and coded to remove incomplete or inconsistent entries and to provide reliability and accuracy of further statistical analysis. The first step was the computation of descriptive statistics, like means, frequencies, and percentages, to present main demographic information (e.g., age, gender, years of teaching experience) and give a general idea of the technological tools employed, pedagogical methods followed, and problems faced in the online tutoring environment.

3.2.2 Qualitative Analysis

The qualitative data of this study was analyzed with thematic analysis, employing the six-phase structure proposed by Braun and Clarke (2006). The technique was employed due to its flexibility and systematic approach to recognizing, analyzing, and interpreting patterns of meaning (themes) within rich narrative data. The first step was getting familiar with the data, in which the researcher had to read and re-read the transcripts of the interviews to familiarize himself with the material and gain an initial grasp of frequent problems and incidents highlighted by tutors and students. At this step, preliminary observations and possible codes were documented in order to direct future analysis.

3.2.3 Ethical Factors

The study strictly followed the ethical standards as prescribed by the Indian Council of Social Science Research (ICSSR), maintaining the rights, dignity, and autonomy of the participants at all times during the research. Ethical factors dominated each phase of the study, right from the design and data collection to the analysis and reporting. The foremost ethical imperative was to guarantee fairness, respect, and transparency in treatment for all the participants, tutors as well as students, especially considering the sensitive topic of sharing personal experiences, pedagogical problems, and emotional health in the context of the changing dynamics of Indian online education.

IV. CONCLUSION

The study sought to examine the changing role of tutors within India's online learning environment through a mixed-methods research approach that combined quantitative and qualitative data. By conducting in-depth interviews with 30 tutors and 30 students across varied geographic and socio-economic locations, and large surveys of 500 tutors and 1,000 students, the study investigated the nuances of online pedagogy, student engagement, educator challenges, and their effect on student achievement. The integration of statistical insights and narrative narratives gave a multi-faceted view of how online learning is transforming the tutor-student dynamic in the Indian subcontinent.

The results brought out a profound shift in the role of tutors. In addition to content delivery, tutors are now required to play the roles of facilitators, emotional guides, technical troubleshooters, and personalized coaches. This augmented role requires high levels of flexibility, digital literacy, and interpersonal awareness. Tutors who used interactive tools, individualized learning strategies, and culturally responsive teaching methods were significantly more effective in sustaining student interest and enhancing self-reported academic achievement. Students repeatedly reported greater satisfaction when tutors exhibited responsiveness, empathy, and initiative in meeting their academic and emotional needs.

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