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## Use of ICT in English language learning

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### Abstract

The integration of Information and Communication Technology (ICT) into English language gaining knowledge of has revolutionized instructional practices and effects. This paper explores how various ICT gear—consisting of language getting to know apps, on line platforms, multimedia assets, and social media—decorate the acquisition and mastery of English. By reading present day trends and empirical studies, the paper highlights the blessings of ICT, which include improved engagement, accessibility, and personalized mastering experiences. However, it additionally addresses demanding situations such as technical troubles and pedagogical issues. The take a look at concludes with insights on destiny instructions for leveraging rising technology to similarly enhance language mastering and suggestions for educators and policymakers. This studies presents a comprehensive overview of the way ICT is transforming English language training and its implications for inexperienced persons and educators alike.

**Keywords:** Information and Communication Technologies (ICT), English language, education, ICT tools, academic performance

### Introduction

“The principal goal of education is to create men and women who are capable of doing new things, not simply repeating what other generations have done.”

Jean Piaget

Information and Communication Technologies (ICT) are swiftly converting various elements of society, which includes how we live and interact. These adjustments are transferring us from a traditional facts-based totally society to 1 where technology heavily impacts our culture. This shift is creating a new form of cultural dominance, frequently known as cultural imperialism, wherein international culture and values are increasingly universal.

As era advances, it's making the sector more available and connecting humans across one of kind cultures. This international connectivity is supporting form a new type of citizen-one who is well-informed, professional, and capable of thrive in a aggressive, data-driven world. Education performs a vital position in shaping society and is essential for each person and societal nicely-being. Quality education empowers humans and drives national development. Technology, particularly Information and Communication Technology (ICT), is one of the simplest equipment for enhancing studying. ICT has come to be a critical part of our everyday lives, from the moment we wake up till we nod off, with equipment like newspapers, radio, television, and computers surrounding us. These advancements have converted many components of life, prompting schools, directors, and instructors to reconsider their roles, teaching strategies, and future dreams.

### Background of the study

The phrases Information Technology (IT) and Information and Communication Technology (ICT) are often used interchangeably, although ICT is much less commonly acknowledged outdoor of education. Typically, IT refers to using computer systems and different equipment to keep, retrieve, and transmit facts. In evaluation, ICT encompasses the technology used to get admission to, acquire, control, and communicate facts. According to Galloway and Norton (2011) [5], faculties generally see IT because the generation and infrastructure, whilst ICT refers to how these equipment are used to guide studying. In today's education system, many changes have occurred, particularly in teaching, learning assessment, and evaluation.,

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These changes aim to find the most effective methods, with ICT emerging as one of the most impactful. This has led to a need for a detailed study of how different forms of ICT are involved, how they've evolved, and the various projects and programs that have been developed and implemented.

### Evolution of ICT

In the generation of globalization, the nature of work has changed substantially, specifically with advances in technology. Employees now face one-of-a-kind needs compared to the beyond, as places of work an increasing number of rely on superior era. This shift requires workers to have extra ICT abilities, regularly main to an expanded workload. As a result, there may be a growing cognizance at the position of the body of workers in efficaciously using ICT. These adjustments spotlight that the character of labour is constantly evolving, and it's essential to recollect the elements riding these changes, the roles of employees, and the broader impact of a converting world on paintings systems.

### Phases of use of ICT in education

The use of ICT in education has advanced thru numerous distinct levels. Initially, it started with the introduction of fundamental pc literacy applications, where the primary focus became on teaching college students how to use computers and simple software program applications. The 2nd section concerned the combination of ICT into specific subjects, improving conventional teaching strategies with multimedia equipment, academic software program, and online sources. As technology superior, the 1/3 phase noticed the rise of e-mastering platforms and virtual school rooms, enabling distance gaining knowledge of and supplying students with more get right of entry to to academic content. Currently, we're in a segment wherein ICT is riding personalised mastering thru adaptive technology, synthetic intelligence, and statistics analytics, permitting educators to tailor coaching to man or woman student wishes and learning patterns. Each phase has progressively accelerated the role of ICT in education, making it an essential element of present day teaching and learning.

### Role of Teacher in the era of ICT

Teachers play an important role in successfully the use of ICT in schooling and integrating it into the curriculum. They are vital for improving the teaching and mastering technique with generation. Gone are the times of conventional lecture methods; instructors now want to parent out the way to use ICT effectively of their lecture rooms. If instructors are not actively involved in incorporating ICT, its impact in faculties could be limited. Technology-savvy instructors plan instructions that encourage college students to think, make choices, and discover topics using each print and digital asset. They also assist college students acquire, organize, and share new understanding. Teachers who see the value of era often spend time finding on-line materials to support their lessons and activities.

Teachers are increasingly more turning into facilitators who assist college students actively pursue information. They create greater engaging and relevant assignments and use computers and telecommunication to encourage college students. Teachers manual students in providing their studies and sharing their findings with classmates, parents, and a international target audience. They also teach college

students to filter statistics from the internet, using structures to block irrelevant sites and tracking surfing records to make sure safe use. With greater computers in school rooms, instructors now want to manage technology efficiently themselves, as opposed to counting on lab assistants or laptop teachers. This shift approach instructors should be nicely-trained in the usage of computer systems to organize and decorate lecture room guidance.

### ICT in emerging Indian education system

India objectives to be a leader in know-how-based societies and the position of ICT in enhancing education and schooling are important. School computing in India started out within the early 1980's with efforts from some non-public faculties. The authorities later launched initiatives like the Scheme of Educational Technology in 1972, supplying assets which include radios, cassette players, and TVs to schools. However, because of constrained sources, inadequate teacher schooling, and no committed time for computing within the college time table, the program struggled to make a full-size effect. It in particular helped college students become aware about computers rather than teaching them realistic computing talents.

### Various ICT based projects in India

In India, ICT use in education has been actively promoted through both formal and informal strategies. This consists of the usage of radio, television, and satellite-based totally technology to attain underserved regions with varying tiers of success. Notable examples are Gyan Darshan, a satellite TV for pc academic channel, and Gyan Vani, an academic radio application. EDUSAT is every other key initiative aimed at enhancing education quality across the USA.

### Some successful ICT implementation in India

**Sharada:** This initiative, run by Delhi's Municipal Corporation, used ICT to boost school enrollment and interest in education among urban poor communities. It set up over 487 computer learning centers with 500 volunteers and 2,500 PCs running Linux OS, providing equal educational opportunities to underprivileged groups.

**Giri Pragna:** This project in Khammam District, Andhra Pradesh, offers computer-aided learning to 10,000 tribal students annually. It includes local language CDs and teacher training, enhancing education from classes 6-10.

**IT@ school:** Implemented in Kerala, this program improves teaching and learning in over 8,000 schools. It trains 1.1 lakh teachers with a focus on integrating IT into various subjects. The program is supported by a network of master teachers and IT coordinators.

**Project Shiksha:** Run by Microsoft India, this program trains teachers in Delhi's Municipal Corporation schools and Army Public Schools to effectively use ICT in education.

**Swayam:** This program by the Ministry of Human Resource Development offers free online courses from class 9 to postgraduate levels. It provides high-quality education through interactive courses created by top educators and is accessible to everyone.

**Shala Darpan:** This ICT-based program allows parents to

track their child's progress in government and government-aided schools. It provides information on attendance, assignments, and achievements, aiming to enhance communication between schools and families.

**Saransh:** Launched by CBSE, Saransh is an online tool for self-assessment and monitoring school performance. It helps schools, teachers, and parents track and improve student performance.

**Online Labs:** This initiative provides virtual lab experiments over the Internet, making them accessible to students who lack physical lab resources. It helps bridge the gap between well-equipped and under-resourced schools by offering lab access anytime and anywhere.

### **Objectives of the study**

1. To examine how using ICT tools and resources impacts student learning, engagement, and academic performance.
2. To explore how ICT has introduced multimedia, online resources, and interactive Platforms to transform traditional teaching.
3. To discover emerging technologies and trends in ICT that could further change education in the future.

ICTs can greatly expand educational opportunities for groups that have been previously underserved. This includes people in remote or rural areas, ethnic minorities, girls and women, individuals with disabilities, the elderly, and others who face barriers such as high costs or time constraints. By providing access to education through technology, ICTs help overcome these obstacles and make learning more inclusive.

### **To examine how using ICT tools and resources impacts student learning, engagement, and academic performance.**

This goal aims to explore how the integration of ICT gear and sources affects numerous factors of student learning. By examining the effect of era on pupil gaining knowledge of, the have a look at will investigate whether ICT enhances engagement by means of making training extra interactive and motivating. Additionally, it will compare how those equipment affect instructional overall performance, which includes enhancements in grades and knowledge of the subject count. The intention is to apprehend whether ICT contributes to a more powerful and tasty gaining knowledge of enjoy, in the long run main to better instructional consequences for students.

### **To explore how ICT has introduced multimedia, online resources, and interactive**

Platforms to transform traditional teaching. This goal seeks to explore how ICT has revolutionized conventional teaching techniques via the introduction of multimedia, on-line assets, and interactive systems. By incorporating multimedia factors consisting of videos, animations, and audio clips, ICT makes classes more dynamic and tasty, catering to numerous mastering styles. Online assets, inclusive of instructional web sites and virtual libraries, provide students with get admission to a wealth of statistics beyond traditional textbooks. Interactive platforms, which include digital lecture rooms and academic games, facilitate lively participation and collaboration amongst college students.

This exploration will spotlight how these technological improvements have converted traditional coaching practices, making mastering more interactive, accessible, and effective.

### **3. To discover emerging technologies and trends in ICT that could further change education in the future**

This objective aims to uncover emerging technologies and trends in ICT that have the potential to further transform education in the future. By exploring advancements such as artificial intelligence, virtual reality, augmented reality, and block chain, the study will identify how these innovations might reshape educational practices. For instance, AI could personalize learning experiences, VR and AR might provide immersive educational simulations, and blockchain could enhance the security and transparency of academic records. Understanding these emerging technologies will help anticipate their impact on teaching methods, student engagement, and overall educational outcomes, guiding future developments and implementations in the field.

### **Statement of the problem**

The speedy integration of Information and Communication Technology (ICT) into various sectors has substantially altered the character of labour, particularly within academic and organizational environments. Despite its capability to decorate performance and getting to know results, the effective utilization of ICT stays a mission due to various stages of ability; get entry to, and flexibility among personnel. This look at objectives to analyse the particular demanding situations and barriers confronted via personnel in embracing ICT, in addition to the effect of these challenges on their overall performance and normal paintings environment. Understanding these issues is vital for developing strategies that may support personnel in successfully integrating ICT into their daily obligations and responsibilities.

### **Research methodology**

Researchers use secondary data from colourful sources, such as books, journals, government publications, and organizational records. These sources give precious information that has formerly been collected, reused, and published by others.

### **Research questions?**

- How do ICT tools and resources influence student learning outcomes, engagement, and academic performance?
- In what ways has ICT transformed traditional teaching methods through multimedia, online resources, and interactive platforms?
- How can ICT be used to create personalized learning experiences for students?

### **Review of literature**

Toomey (2002) <sup>[1]</sup> Toomey discusses the distinction between Information Technology (IT) and Information and Communication Technology (ICT), emphasizing how ICT encompasses tools for getting access to, accumulating, manipulating, and supplying information. This differentiation is essential for know-how how ICT specifically impacts schooling compared to broader IT applications. Anderson (2008) <sup>[1]</sup> Anderson affords an outline of the way ICT has been integrated into educational settings and its

evolving position. He discusses various ICT equipment and their programs in training, from early pc-based getting to know to current advancements in on line mastering platforms and interactive technology.

Galloway and Norton (2011) <sup>[5]</sup> Galloway and Norton explore how faculties perceive IT and ICT otherwise. They highlight that whilst IT refers back to the technology and infrastructure, ICT specializes in how these equipment are applied to guide learning. Their paintings underscores the shift from viewing generation simply as hardware to considering its role in improving instructional practices.

Higgins, Xiao, and Katsipataki (2012) <sup>[16]</sup> this examine evaluations the effect of multimedia and interactive technology on teaching and gaining knowledge of. The authors discover that incorporating multimedia tools and interactive platforms can considerably decorate pupil engagement and getting to know effects, helping the concept that technology can rework traditional academic techniques.

Selwyn (2016) <sup>[17]</sup> Selwyn investigates the wider implications of ICT in training, consisting of its capacity to create more customized learning stories and the position of rising technologies. He emphasizes the want for essential examination of the way era impacts educational practices and outcomes.

### Need of the study

The want for studying the use of ICT in English language gaining knowledge of is critical due to its capability to transform educational practices and results. ICT presents numerous sources and interactive tools that decorate the learning enjoy, making it more engaging and customized. It helps personalised learning with the aid of supplying adaptive systems that cater to person needs and permits for flexible, self-paced observe. Moreover, ICT allows progressed conversation abilities thru collaboration equipment and global interaction opportunities. It also offers green evaluation strategies and instant feedback, supporting both rookies and educators track progress and cope with demanding situations. By integrating ICT, educators can higher assist various newbies, overcome geographical obstacles, and equip students with important 21st-century abilities, making it a vital place of studies to apprehend its full effect on language acquisition and schooling. The take a look at of ICT's position in English language learning is critical to recognize its effect on student engagement, studying results, and universal effectiveness. It offers valuable insights into how generation can enhance language acquisition, address academic challenges, and prepare college students for a digitally related world.

### Importance of the study

The significance of this study lies in its potential to light up the transformative results of ICT on education, imparting valuable insights for educators, policymakers, and technology builders. By inspecting how ICT equipment and assets impact scholar gaining knowledge of, engagement, and overall performance, the examine can highlight effective techniques for integrating technology into teaching practices. Understanding how multimedia, on-line resources and interactive structures have changed conventional coaching strategies will provide guidance on optimizing this gear for stronger academic effects. Additionally, exploring emerging technology and traits will help anticipate destiny tendencies and prepare instructional establishments to evolve and thrive

in a unexpectedly evolving virtual landscape. Ultimately, this have a look at goals to contribute to the continued improvement of tutorial practices and support the advent of extra powerful, engaging, and personalised getting to know environments.

### Suggestions

To beautify the effectiveness of ICT in training, numerous suggestions can be carried out. First, increasing instructor training and expert development in ICT will ensure educators are ready to combine generation correctly into their teaching practices. Second, increasing access to virtual assets and tools in beneath-resourced faculties will assist bridge the instructional hole among specific regions. Third, fostering collaboration between educational institutions and era companies can lead to the development of tailor-made answers that deal with specific educational needs. Additionally, on-going evaluation and remarks mechanisms ought to be mounted to continuously check the impact of ICT equipment and make necessary adjustments. Finally, selling digital literacy among students and dad and mom will help the powerful use of ICT and make a contribution to a extra inclusive and equitable getting to know surroundings.

### Conclusion

In conclusion, the combination of ICT in training has the potential to significantly decorate coaching and mastering studies by way of supplying various resources, personalised getting to know opportunities, and improved engagement. Through projects like SWAYAM, Shala Darpan, Saransh, and Online Labs, ICT can bridge educational gaps, support pupil progress, and make pleasant schooling greater handy. However, to fully understand these benefits, it's miles vital to invest in trainer training, ensure equitable get right of entry to to generation, foster collaboration with tech providers, and constantly compare and adapt these tools. By addressing those aspects, ICT can make contributions to a more powerful, inclusive, and future-equipped instructional system.

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