

The Impact of ICT on Developing Reading Skills among Diploma Students

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Abstract

Information and communication technology (ICT) has had a significant impact on modern education, particularly in terms of improving pupils' reading skills. This paper examines how vocabulary, reading comprehension, and engagement might be improved by ICT resources such as e-books, digital libraries, learning management systems, and interactive apps. The study uses a qualitative research design and secondary data from academic sources and peer-reviewed journals. The findings demonstrate that ICT promotes personalized and interactive reading experiences, which increases students' interest and comprehension. However, there are still problems like insufficient digital literacy, unequal access, and digital distraction. The researcher has made an attempt to explore how ICT has impact on reading skills among the Diploma students

Keywords: Reading Skills, Language Learning, Educational Technology, ICT, Digital Learning, E-books,

1. Introduction

Reading is a fundamental language skill that is required for both lifetime learning and academic performance. Information and communication technology (ICT) has recently transformed traditional reading habits by introducing digital tools and platforms that enhance comprehension and engagement. ICT enables a range of reading materials, interactive information, and personalized learning experiences. According to Anderson and Anderson (2017), digital environments allow students to engage with texts in more dynamic and meaningful ways. This paper will examine how ICT devices aid in the development of reading skills is the primary goal of the study.

2. ICT's Contribution to Reading Skill Development

2.1. Interactive Reading. This makes reading more engaging, significant, and learner-centered, ICT is crucial to enhancing reading abilities. Students frequently read just written texts in traditional classrooms, which can occasionally feel challenging or dull. However, the inclusion of images, videos, music, animations, and links makes reading more engaging with ICT. These multimedia elements keep students interested for longer and make it easier for them to comprehend a book. **For Example**, when kids read a story with accompanying pictures or audio, they are better able to tie the text to actual events and comprehend it. In this sense, ICT enhances reading with enjoyment while simultaneously improving understanding.

2.2. Building of Vocabulary

ICT is also highly helpful in building vocabulary. Students can utilize digital dictionaries, translation software, or search engines to rapidly locate definitions when they encounter unfamiliar words while reading online. They are able to read uninterrupted and gain confidence in their ability to comprehend new texts thanks to this prompt assistance. Students increase their vocabulary, sharpen their language skills, and develop into more self-reliant readers over time.

2.3 Personalized Learning

Additionally, because digital platforms can modify reading materials based on the learner's ability, ICT facilitates personalized learning. While advanced students can progress to more difficult passages, students who require

simpler readings can start with simpler materials. Because of this flexibility, every student can advance at their own speed and progressively get better at reading without feeling under pressure.

2.4 Flexibility and Accessibility

Two other important advantages of ICT are flexibility and accessibility. Reading materials are available at any time and from any location. Thanks to smartphones, tablets, laptops, and other digital devices. There are no designated study times or student libraries in the classroom. They can read at home, on the road, or whenever they have free time. Paced learning helps them in different aspects. This easy access encourages regular reading practice and helps pupils form a habit of lifetime learning. For students of all skill levels, ICT eventually makes reading more useful, engaging, and productive.

Learning can be tailored to each student's level thanks to ICT. Depending on a student's performance, some digital platforms can adjust the reading materials' level of difficulty. This enables learners to progressively advance at their own speed.

3. Advantages of ICT for the Development of Reading Skills

3.1 Increases the enjoyment and interest of reading

Students find reading more engaging and engaged thanks to ICT. Learners are kept interested by the vibrant designs, animations, and interactive activities found in digital books, educational applications, and online reading platforms. Students thus have a favourable attitude toward reading and increase their motivation to read on a regular basis.

3.2 Uses audio, visuals, and videos to improve students' understanding

ICT technologies help students grasp the material more effectively by combining text with images, videos, and audio recordings. Comprehension is improved and challenging concepts are made easier to understand with the help of visual and auditory aids. It is particularly helpful for those who struggle to comprehend written texts using only conventional approaches.

3.3 Enhances proficiency with digital tools and computers

Students gain familiarity with digital devices, internet platforms, and computer programs through the use of ICT in reading activities. As a result, they become more proficient in digital literacy and are more equipped to use technology both professionally and academically. Additionally, students learn responsible online information management, access, and search techniques.

3.4 Availability of a variety of reading materials

ICT makes a variety of reading materials, including e-books, online journals, articles, newspapers, and instructional websites, easily accessible. Materials can be explored by students based on their academic needs, interests, and language proficiency. Due to its widespread availability, kids are encouraged to read extensively and expand their vocabulary and expertise.

3.5 Opportunities for self-paced learning

Students can learn at their own pace and comprehension level thanks to ICT. Independent learning is supported by the ability for students to pause, repeat, or revisit reading materials as needed. Students who learn at their own pace experience less stress and progressively gain confidence and comprehension.

4. Challenges and Limitations of ICT in Reading Skill Development

4.1 Technology Distraction and Reduced Concentration

ICT can divert students from their studies even though it makes learning more engaging and dynamic. Students may turn their focus to games, social media, videos, or other entertainment apps while utilizing computers, tablets, or cell phones for reading assignments. Students find it challenging to focus on reading assignments for extended periods of time due to constant notifications and internet distractions. Their comprehension, critical thinking, and general learning skills may suffer as a result. Therefore, to guarantee that ICT is primarily utilized for educational purposes, appropriate supervision and direction by educators and parents are required.

Additionally, pupils who spend too much time on screens may become less interested in reading books, newspapers, or other printed items. Pupils may lose patience for in-depth, in-depth reading and grow reliant on fast digital content. Therefore, sustaining pupils' focus and reading discipline requires a balanced use of digital and conventional teaching approaches.

4.2 Unequal Access to Technology

Inequitable access to technology resources is one of the main drawbacks of ICT in education. Not all students, particularly those who reside in rural or economically disadvantaged areas, have smartphones, laptops, tablets, or reliable internet connections. Because students with more access to technology might gain more from online learning materials while others may find it difficult to participate effectively, this digital divide leads to inequity in learning possibilities. Furthermore, poor internet connectivity and lack of electricity in some regions also limit the effective use of ICT tools. During online learning activities, students without proper digital facilities may feel isolated and less motivated. Therefore, governments and educational institutions should work toward providing affordable internet access, digital devices, and infrastructure so that all learners can equally benefit from ICT-based education.

4.3 Inadequate Training for Teachers

Teachers' technological expertise is crucial to the effective use of ICT in the classroom. However, it's possible that a large number of educators lack the necessary expertise to use digital tools, online platforms, or instructional software. Some teachers struggle to successfully incorporate ICT into their lessons because of this lack of training. Instead of developing engaging and learner-centered activities, they might merely employ technology for simple presentations.

Additionally, when utilizing digital materials in front of pupils, teachers who are not experienced with ICT may feel apprehensive or less confident. Technology-based instruction may become less effective as a result. To help teachers enhance their digital competency and teaching methods, regular seminars, training courses, and professional development opportunities are crucial.

4.4 Over Reliance on Digital Tools

Students' over-reliance on digital aids like online summaries, grammar checkers, translation programs, and spell checkers is another significant issue. While these resources offer rapid support, over use of them can impair students' capacity for independent thought and problem-solving. Instead of honing their own language, reading comprehension, writing, and analytical skills, students could rely on technology.

For example, if students constantly use automatic translation tools, they may not make enough effort to understand the meaning of words or sentences on their own. Similarly, dependence on ready-made summaries may discourage critical reading and interpretation. Therefore, ICT tools should be used as supportive learning aids rather than complete replacements for students' personal learning efforts.

4.5 Data Privacy and Security Concerns

Students' personal information, including names, ages, academic records, surfing habits, and learning progress, is frequently gathered through the usage of ICT and online learning platforms. This data could be misused, shared without authorization, or vulnerable to cyber dangers if it is not well protected. Students' online safety and privacy are seriously threatened by this.

Furthermore, young students might not completely comprehend the dangers of disclosing personal information online. Strong privacy regulations, secure platforms, and cybersecurity safeguards are consequently necessary for educational institutions and technology suppliers to guarantee safe digital environments. In order to preserve digital security and safeguard children's personal information, educators and parents should also teach them how to use technology responsibly.

5. Findings and Discussion

The study emphasizes that by fostering dynamic, learner-centered learning settings, information and communication technology (ICT) significantly contributes to the improvement of students' reading abilities. ICT-based learning, in contrast to traditional reading approaches, makes use of digital resources that actively engage students in the reading process, including e-books, educational apps, multimedia content, online reading platforms, and interactive activities. Students find reading more appealing, pleasurable, and meaningful thanks to these resources. As a result, students are more inclined to engage in reading-related activities, which progressively increases their enthusiasm and self-assurance in reading.

Additionally, ICT greatly enhances reading comprehension and vocabulary. Students may readily comprehend new terms and concepts while reading thanks to online dictionaries, translation tools, voice help, hyperlinks, and multimedia explanations. Images, animations, and videos are examples of audio-visual components that improve students' comprehension of the text's context. Students' comprehension skills are strengthened through interactive reading exercises that foster critical thinking, meaning prediction, and idea connection. ICT also enables students to learn at their own speed, providing them with chances for individual study and repeated practice.

However, appropriate direction and balanced implementation are critical to the usefulness of ICT in reading development. If not closely supervised, an over-reliance on technology may cause pupils to lose focus on critical thinking and in-depth reading. Teachers are therefore crucial in choosing appropriate digital materials, assisting students with their use, and making sure that technology advances learning goals rather than diverts students. ICT should be used in conjunction with traditional reading techniques including textbook reading, class discussions, and teacher-led instruction rather than taking the place of them entirely. A more thorough and successful reading learning environment can be produced by combining conventional and digital methods in a balanced way.

6. Suggestions and Recommendations

- Combine ICT resources with conventional reading techniques
- Train educators and students in digital literacy.
- Guarantee equitable access to technology
- Promote critical reading abilities in online settings
- Keep an eye on and control digital distractions

7. Conclusion

ICT plays a significant part in helping kids become more proficient readers. It gives pupils access to instructional websites, online articles, digital books, and reading applications that enhance the appeal and significance of reading. Through interactive elements like audio, graphics, and tests, these resources assist students in reading at their own speed, comprehending challenging vocabulary, and enhancing comprehension. ICT gives students a more adaptable and interesting reading environment in this way. At the same time, the success of ICT depends on how well it is used in teaching. Technology should not replace the teacher, but should support traditional classroom methods. When ICT is combined with guided reading, discussion, and teacher support, students learn more effectively. A balanced use of both technology and human instruction helps students develop better understanding, interest, and confidence in reading. From a research perspective, more empirical studies are needed to ascertain the actual impact of ICT on reading skills. To find out how ICT affects vocabulary, comprehension, reading speed, and student motivation, future researchers should collect data from classrooms. These studies will provide more proof of its effectiveness and help teachers use ICT more effectively and significantly.

References

1. Anderson, Richard C., and Jane Anderson. *Text Comprehension and Digital Reading*. Routledge, 2017.
2. Carr, Nicholas. *The Shallows: What the Internet Is Doing to Our Brains*. W. W. Norton & Company, 2010.

3. Dalton, Bridget, and C. Patrick Proctor. "The Changing Landscape of Text and Comprehension in the Age of New Literacies." *Handbook of Research on New Literacies*, edited by Julie Coiro et al., Lawrence Erlbaum Associates, 2008, pp. 297–324.
4. Guthrie, John T., Allan Wigfield, and Wen Ya You. "Instructional Contexts for Engagement and Achievement in Reading." *Handbook of Research on Student Engagement*, edited by Sandra L. Christenson et al., Springer, 2012, pp. 601–634.
5. Leu, Donald J., et al. "The New Literacies of Online Research and Comprehension." *Educational Psychologist*, vol. 50, no. 1, 2015, pp. 37–59.
6. Mamurova, S., and M. Rasuljon qizi. "Language Change and Variation across Digital Communication Platforms: Linguistic Analysis of Instagram." *Advances in Science and Humanities*, vol. 2, no. 05, 2026, pp. 54–64.
7. Normurodova, S. "Code-Switching and Translanguaging on Social Media Platforms: Theoretical Foundations and Empirical Insights from Uzbek Context." *The Lingua Spectrum*, vol. 8, no. 1, 2025, pp. 35–41.
8. ---. "Code-Switching as a Marker of Digital Identity: A Sociolinguistic Study of Multilingual Users in Online Spaces." *Zenodo*, 2026, doi:10.5281/zenodo.19663963.
9. Raximova, S. N. q. "Paralinguistic Variation in Uzbek Social Media Discourse: A Study of Digital Language Change." *Modern Education and Development*, vol. 48, no. 1, 2026.
10. Sattar, N. "Digital Dialects: How Social Media Shapes Multilingual Identity and Code-Switching Practices among Urban Youth." *Journal of Applied Linguistics and TESOL (JALT)*, 2025.
11. Shermirzayeva, M. "Code-Switching among Bilingual English Learners in Uzbekistan." *International Journal of Science-Innovative Research*, 2025.
12. Temirova, M. K. qizi. "Code-Switching in Internet Communication." *The Lingua Spectrum*, vol. 1, no. 1, 2026, pp. 118–123.
13. ---. "Variationist Sociolinguistics in the Digital Age: Challenges of Analyzing Online Communication." *Fergana Methodical School*, 2025.
14. Turgunboev, R. I. u. "Code-Switching in Uzbek–English Online Communication: Sociolinguistic Patterns and Implications for Digital Communication." *International Conference on Social Sciences & Humanities*, vol. 2, no. 3, 2026, pp. 40–46.
15. Umurzakova, K. "Linguistic Variations in Social Media and the Digital Environment: A Study on Contemporary Language Practices." *TLEP – International Journal of Multidiscipline*, 2025.