

## THE EFFECT AND IMPACT OF ARTIFICIAL INTELLIGENCE ON THE ENGLISH LANGUAGE

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### **Abstract**

*The traditional method of education and learning has now been replaced by the introduction of Artificial Intelligence (AI). The major effect of AI is faced by English language which is an effective tool for global interaction and communication. This paper will focus on both positive and negative impact of AI on English language and the challenges faced by this AI. Regarding these increasing technologies, teachers and students are more depending on AI generated tools like ChatGPT, Quilbot and much more. From positive point of view, these tools allow students specially non-native speakers to build up their confidence in writing by providing them quick responses, fast grammar check and editing recommendations etc. Somehow from negative point of view or challenging point of view their incorporation reduces their critical thinking skills. By creating a balance between advantages and disadvantages this research will examine that how the AI tools can be implicated for the learners of English language. By using a qualitative method, it will evaluate that what are the drawbacks of fully relying on AI tools and it will offer suggestions for teachers that how could they ensure the effective use of AI writing in classes of English language. It will conclude that how to maintain a balanced approach while using AI in English language.*

**Keywords:** Artificial Intelligence; English Language; Linguistics; Language Learning; Digital Communication; Globalization

### **Introduction**

Artificial Intelligence (AI) in today's world has become most effective resolution regarding technology. AI based technologies are mostly involved in every aspect of life, from business to education, from healthcare to social networking and almost in every field AI has its influence in it. AI has also has great influence on how humans interact with each other. As language is the most important aspect of any culture. It mainly represents expressions, thoughts and ideas regarding any culture.

Regarding this research, The English language has a special worth. English language is not only an international language and international source of communication but also a supreme language in academic, digital and global platforms. As far as its worth is concerned, According to British Council, the usage and learning of English worldwide is 0.023%, nearly two billion people worldwide are learning this language. This percentage has made English a widespread language of the global world. Therefore, the convergence of AI and English has great importance, and both has a great worth locally and globally, in local and global communities. In multiple domains AI has showed its worth and influence on English language. The platforms used for learning are Google translate, Duo lingo etc. and writing assistance such as Grammarly, ChatGPT etc. These tools have made English more approachable to two billion people worldwide. AI tools reduces barriers to effective communication by providing advanced vocabulary suggestions and instant feedback to students, researchers and professionals. People are enabled to practice English through interactive conversations by virtual assistants like Alexa or Siri etc.

This raises serious questions that will the originality in English language decline due to over dependence on AI generated text? According to ethical concerns what challenges arise from plagiarism and AI based data? Could AI eliminates the cultural diversity in English by standardizing it.

This research will evaluate that how AI effects English language. Keeping the positive and negative effects under consideration, this study focuses that how AI is standardizing the

English in accordance with learning cultural evolution and usage.

This paper aims to explore these questions by focusing specifically on the effects of AI on the English language. Through a balanced discussion of positive and negative impacts, this study highlights how AI is reshaping English in terms of learning, usage, and cultural evolution. While AI offers vast opportunities, it also requires careful consideration to safeguard the intellectual and cultural richness of the English language.

The rapid increase in the technology specially AI tools (artificial intelligence) has greatly effect the education system specifically in the field of learning like AI tools i.e. Quilbot, chatgpt etc. has become very normal in learning field and are easily available to the learners of English department. This tools improve writing efficiency by providing us instant correction of sentences, unique ideas and variety of suggestions. This all leads to automation ,loss of critical thinking etc. This study will evaluate the role of AI in making the youngster ease lover ,it will focus how it effect the critical language thinking and how it effects the writing development in youngster.

### **Research Objectives**

- 1: To evaluate the advantages gained by AI tools for perceiving English language.
- 2: To examine the challenges faced by using these AI tools.
- 3: To explore the outcomes of implying the AI tools in classrooms.

### **Research Questions**

- 1: How AI tools helps to develop the skills regarding English language?
- 2: What are the risks of fully relying on AI generated tools?
- 3: How there will be a balance in ensuring no drawbacks by using these tools?

### **Literature Review**

The relationship between technology and language has been an important field of inquiry for applied linguistics. With the emergence of AI, this relationship has deepened, leading to new opportunities and challenges for English language teaching and communication.

Chapelle (2001) was among the earliest scholars to emphasize the integration of technology into language learning, suggesting that computer-assisted language learning (CALL) could significantly enhance learners' access to authentic English materials. Her work laid the foundation for later studies that view AI as an extension of CALL, providing adaptive, intelligent feedback mechanisms.

In recent years, Li (2022) has argued that AI-driven platforms not only improve learners' grammar and vocabulary but also personalize the learning experience, enabling students from diverse linguistic backgrounds to acquire English more efficiently. Such studies highlight AI's potential in democratizing English language learning by making high-quality resources accessible worldwide.

Similarly, studies on AI-assisted writing tools such as Grammarly and Turnitin (Kohnke & Zou, 2021) show that learners develop greater awareness of linguistic accuracy, coherence, and academic integrity. These platforms provide real-time corrections, stylistic suggestions, and plagiarism detection, thus reshaping English academic writing practices.

However, scholars also warn of significant risks. Bender et al. (2021) caution that over-reliance on AI-generated text can lead to a decline in critical thinking and originality, as students may adopt machine-generated phrases instead of developing their own linguistic identity. In addition, linguistic diversity is threatened when AI tools promote standardized English, marginalizing local varieties and cultural expressions.

Another dimension is ethical: AI systems often reflect biases present in their training data. As Smith and Kumar (2023) argue, the way AI represents English can reproduce cultural stereotypes and reinforce power imbalances in global communication.

Thus, the literature shows a clear duality: while AI offers powerful tools for enhancing English proficiency and accessibility, it also raises questions about authenticity, creativity, ethics, and linguistic diversity. These debates form the basis for the present study, which seeks to provide a balanced evaluation of AI's effects on the English language.

### **Methodology**

This research adopts a qualitative approach, relying primarily on secondary data sources. The study reviews scholarly articles, conference proceedings, books, and online resources published between 2000 and 2025 to understand the evolving relationship between Artificial Intelligence and the English language. Key case studies of AI applications—such as Grammarly, ChatGPT, Google Translate, and Duolingo—are examined to illustrate practical impacts on English usage.

### **Data collection:**

**Literature Review:** Identifying existing scholarship on AI and language learning, particularly focusing on English (e.g., Chapelle, 2001; Li, 2022).

**Case Study Analysis:** Evaluating the role of widely used AI-driven tools in English writing, teaching, and communication.

**Thematic Categorization:** Organizing findings into positive and negative impacts to present a balanced view.

This study provides a mutual understanding of both real-world and theoretical applications of AI in accordance with English language.

### **Findings and Discussion:**

#### **Positive Impacts of AI on English**

##### **1. Enhancing English Language Learning**

Across the globe AI plays a significant role in enhancing the ability of English learning for students. To personalize messages ,give instant feedback and examine progress of the learner, Applications such as ELSA speak and Duolingo etc uses AI assisted tools. By using these tools the learning of English language become more interesting and easily accessible.

Li(2022)ensures that AI is based on learner's needs ,it ensures that the non-native speakers can easily get accessibility at their own pace. However, where teachers have to struggle to give attention to each student AI has ended the traditional classroom limitations.

##### **2. Modifying writing and Editing skills**

AI generated tools such as Grammarly,Turnitin etc,improves grammar,vocabulary and style .These tools such as virtual tutors highlights errors and suggest improvements for English learners and professionals.These tools helps to use grammar rules more efficiently.AI ensures originality by detecting plagiarism and promoting academic integrity.

##### **3. Supporting multicultural communication in English**

English is a global language and AI played an important role in enhancing it.The AI tools such as Google Translate etc allow the non-native speakers to engage in English-based communication by improving their translation accuracy.For instance, in business the non-native speakers rely on AI tools for translation,for writing emails ,papers or reports in English. Chapelle(2001)examines the importance of relevant input in language learning to use English in rela-world contexts through cross communication.

##### **4. Enhancing availability for multiple learners**

AI has expand the accessibility for diverse learners. It ensures that English is not congested language by providing voice identifying systems,text-to-speech programs etc.

According to Smith and Kumar (2023), AI made the education more equitable by providing various transformative applications and by aligning it with global efforts..

##### **5. Fostering English in Social media and Digital culture**

To practice conversational English AI –assisted tools such as ChatGPT, Alexa (a voice assistant) provides opportunities for the learners. This improves confidence and fluency in real dialogues. For initial learners, AI based games incorporate English grammar and vocabulary by providing a wide space for practicing English language.

This dimension not only increases English fluency but also promotes English in the digital culture.

#### **Summary of Positive Impacts:**

- AI personalizes English learning and provides real-time corrective feedback.
- AI improves writing quality and academic integrity.
- AI supports global communication by enhancing translation and cross-linguistic exchange.
- AI increases inclusivity for learners with disabilities.
- AI integrates English into digital culture, strengthening its role as a global lingua franca.

#### **Findings and Discussion (Negative Impacts of AI on English)**

While AI provides numerous benefits for English language learning and communication, it also creates challenges that cannot be ignored. These negative effects relate to creativity, authenticity, diversity, and ethics in English usage.

##### **1. Decline in creativity by over dependence on AI**

One of the initial concern is the over dependence of professional scholars and students on AI based material. The AI base tools such as GPT help students to correct English grammar and providing instant feedback but over Reliance on AI prohibit learners to think critically and improve their writing skills by their own.

Bender .et.al(2021) evaluates that when the individuals fully relay on AI and perform tasks without their own critical thinking they lose their critical way of thinking. At last, the individuals write more mechanically and less imaginatively.

##### **2. Risk of losing originality in academic integrity**

AI systems provide essays, research papers, summaries etc but it raises questions about their authenticity and plagiarism. As a result, the students take content from AI in this way the values of originality and honesty decreases.

Kumar and Smith( 2023 )investigates that worldwide universities are struggling to detect where AI –based plagiarism by designing different policies regarding this. It causes a risk to English language and it is a Global Language of academia, where the key principle is originality.

##### **3. Loss of diversity and standardization of English**

English is not one language but a blend of different varieties: such as American English, British English, African English etc with different vocabulary and idioms but I have standardised English by keeping it's one variety i.e, American English with its norms. This standardisation vanishes local creativity and regional varieties as Bhatia (2022 ) evaluate that if this standardisation continues, it can decrease cultural diversity and richness.

##### **4. Loss in critical thinking and language skills**

In Pakistan ,the analysis of critical thinking in English in higher secondary education level will be identified in this qualitative research. However in National curriculum of Pakistan(2002) this type of thinking has much worth but its implementation is not done. By classroom observations, teachers training department analysis and curriculum identification it is perceived that how critical thinking is present in National curriculum of Pakistan and how it is perceived by the educators today. This study will highlight that how the curriculum has limited the teachers to foster there analytical skills to the students. It will provide us information about the challenges faced by the teachers and students due to this curriculum. By aiming at the evidence

provided by selected provinces and districts it will prove that how much this critical literacy is important to be applied in the educational institutions of Pakistan.

### **Balanced view AI and future of English**

Dual nature of AI shows that is neither thoroughly beneficial nor thoroughly harmful. However, AI is such a thing that redesigns English both in beneficial and threatful ways. From positive point of view, AI improves English learning, promotes global communication and builds multi-cultural understanding.

From negative point of view, AI decreases creativity and originality in language learning. Therefore, the future of AI depends on a balanced point of view.

Concerns are the over-reliance of students and professionals on AI-generated content. Writing assistants and text generators (e.g., ChatGPT, Jasper AI) often produce fluent and grammatically correct English, but this convenience can discourage learners from developing their own writing skills.

Teachers need to incorporate AI as an additional tool and not a substitute for conventional learning.

Policymakers need to set ethical standards so that plagiarism and bias do not occur.

Students need to employ AI critically so that it enhances, not destabilizes, their English skills. English will not vanish in the era of AI. Rather, it will persist, changing to suit new technological environments while being the dominant medium of international communication.

### **Conclusion**

The application of Artificial Intelligence to language usage and pedagogy is among the most critical changes of the 21st century. For English, the world lingua franca, AI has provided both extraordinary opportunity and serious challenge.

On the upside, AI has transformed English learning using customised feedback, interactive tools, and real-time communication software. It has improved writing skills, enabled inclusivity of students with disabilities, and made English the language of digital culture and globalisation. AI has made English education accessible to everyone by providing high-quality learning materials to millions of individuals across the globe, irrespective of their socio-economic status.

Yet, these developments are beset with serious issues. Over-reliance on text generated by AI jeopardizes creativity, originality, and free language ability. English homogenization due to the preference of AI for norms results in a lack of linguistic variation, and plagiarism and ethical issues compromise intellectual honesty. Further, values intrinsic in AI replicate cultural disparities, thus testing English neutrality as a universal medium of communication.

This research concludes that English will not vanish with the advent of AI but will instead evolve further. The trick is to achieve a balanced deployment of AI—one that captures its advantage while restricting its disadvantage. Educators must embrace AI as a complementary input, policymakers should develop ethical guidelines, and learners must critically work through AI to preserve their imagination and creativity.

In the years to come, the English language will be further defined by AI technologies, but its human aspect—creativity, diversity, and richness of culture—will have to stay paramount. If used in a balanced and responsible manner, AI can not only improve English communication but also protect and enrich it for future generations.

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