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Insights Into First-Year Students' English-Speaking Anxiety and Solutions: A Case in a Private University in the Mekong Delta, Vietnam

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Abstract

This study aimed to explore English-speaking anxiety of first-year university students (n=200) in Vietnam, employing questionnaires and semi-structured interviews (n=20) as data collection tools. The quantitative findings indicate a moderate overall level of anxiety, with test-related anxiety significantly exceeding communication apprehension and fear of negative evaluation. No statistically significant differences in speaking anxiety were found between male and female students, or between English-majored and non-English-majored students. Qualitative data provide insights into students' individual experiences and solutions within three domains of anxiety. Based on these findings, the study proposes pedagogical recommendations aimed at reducing test-related pressure and fostering a supportive learning environment. However, limitations included the small number of interview participants and reliance on self-reported data. Future research is encouraged to expand the scope of investigation and access the impact of targeted interventions.
Key Words: *anxiety, English-speaking, solutions, first-year students.*

Arizona, USA

1. Introduction

English has gained international status as the most widely spoken language, with increasing number of learners. No one can deny the importance of its significance across various aspects of life, including scientific research, commerce, medicine, technology. In the field of education, particularly in the Vietnamese context, enhancing the quality of teaching and learning English is one of the top priorities for educational purposes. The National Foreign Languages Project was launched and implemented on a national scale aiming to promote all the four skills among the Vietnamese learners. Among these, speaking is considered the most essential, as it plays a crucial role in learners' personal growth and future career opportunities (Ho & Truong, 2022). As a matter of fact, many higher education institutions in Vietnam have played an emphasis on implementing international programs, exchanging students, reinforcing scientific research or globally recognized publications. Hence, the demand for effective English-speaking skills for better communication and interpretation is higher than ever (Ho & Truong, 2022). Furthermore, in many universities, when more and more subjects have been instructed and integrated with English learning materials, students are suggested to equip themselves with a proficient speaking ability so that they can have a better interaction with the instructors or peers during the teaching and learning process. With a good proficiency for English speaking skills, university students can not only master and achieve flying colors for the subjects taught in the curriculum, but they can have a closer approach to a global learning community as well. Nevertheless, Vietnamese university students tend to encounter many difficulties when speaking English or have troubles mastering this language as an effective communication tool. This results in some limitations in English language acquisition among students and hinders their opportunities for global exchanges and the job market in the long run. Among various elements restricting university students' proficiency, English speaking anxiety is regarded as one of the striking factors impeding their speaking ability. Thus, this study aims at providing insights into the reasons underlying first-year universities students' speaking abilities and exploring the solutions employed to overcome this type of psychological issue. The findings to this study; in particular, can not only contribute to the improvement of teaching and learning English in the university in the Mekong Delta, but for other regional and national tertiary institutions in Vietnam in general.

2. Literature review

2.1 Definition of Speaking

It is known that language communication involves several language skills which are interrelated: listening, speaking, reading and writing. Among the four macro skills, listening and speaking are considered as the oral skills whereas reading and writing are called the literacy skills (Byrne, 1991). They are all divided according to the manners by which they are formed. The skills related to articulator organs are called the oral skills; and the ones connected with manual script are called the literacy skills. Of the four skills, speaking is considered to play a very important role in language learning. As for Pattison (1992), if a person who knows a language, it means that he or she can speak that language.

According to Brown (1994) as well as Burns and Joyce (1997), speaking is *"an interactive process of constructing meaning that involves producing and receiving and processing information".* Its form and meaning depend on the context in which it occurs. Therefore, speaking requires that the learners not only know linguistic competence such as grammar, pronunciation or vocabulary, but they also need to understand when, why and in what ways to produce language (sociolinguistic competence).

Moreover, Mackey (1965) states that speaking *"involves not only the use of the right sounds in the right patterns of rhythm and intonation, but also the choice of words and inflections in the right order to convey the right meaning."* (cited in Bygate, 1987).

From another view, Chaney (1988) reveals that *"speaking is the process of building and sharing meaning through the use of verbal and nonverbal symbols in a variety of contexts"* (cited in Kayih, 2006). This is in line with Mead and Rubin (1985) saying that speaking is considered as an *"interactive process in which an individual alternatively takes the roles of speaker and listener, and which includes both verbal and nonverbal components".*

Different researchers have different concepts of speaking, but through these definitions, we all can easily recognize that speaking is a two-way process between the listeners and speakers. And it is considered as a key to human communication.

2.2 The importance of speaking

It seems obvious that being able to speak in a second or foreign language plays an utmost important role

among four language skills. In our daily lives, most of us speak more than write. In comparison with writing, speaking is the essential form of language, and writing is ranked second after it and derived from it (Wilkin, 1979). When discussing the importance of speaking, Bygate (1987) states that: *"It is the vehicle of social solidarity, of social ranking, of professional advancement and of business".* To support his ideas, Bygate (1987) stresses that speaking: *"is also a medium through which much language is leant, and which for many is particularly conducive for learning".* This means that the importance of speaking is put on the top. When speaking skill is mastered, other skills like listening, writing and reading can be improved effectively. Sharing the same opinions with Bygate, Nunan (1991) confirms that *"mastering the art of speaking is the single most important aspect of learning a second or foreign language, and success is measured in terms of ability to carry out a conversation in the language".* More than these, Ur (1996) shows that knowing a language is referred as "speakers" of that language.

It can be inferred from researchers' viewpoints that speaking plays a vital part in learning a second language. If the learners have the right understanding about the importance of speaking, it is easy for them to achieve their goal in learning a second language, especially English.

2.3 Speaking proficiency and its components

To speak the target language fluently and appropriately, it requires not only knowing its grammar and semantic rules but also understanding how native speakers use the language in the right context. Therefore, to help learners have a deep understanding about speaking proficiency so that they can perfect their skill of speaking. Shumin (2002) points out speaking proficiency and its components as can be seen in the following figure:
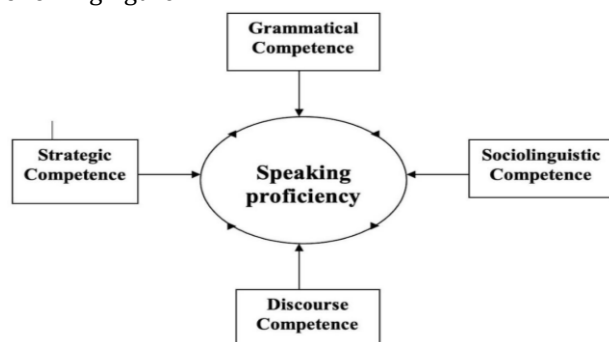
The figure shows that speaking is influenced by all four interrelated components:

Grammatical competence: the ability to recognize the lexical, morphological, syntactic, and phonological features to form words and sentences. This enables learners to use and understand English language structures accurately and unhesitatingly, which contributes to their fluency.

Sociolinguistic competence: knowledge of language alone does not adequately prepare learners for effective use of the target language. The learners must understand the social context in which language is used to achieve successful conversations with others.

Discourse competence: the connection of a series of sentences or utterances. This helps learners hold the communication together in a meaningful way.

Strategic competence: ability to employ strategies to compensate for imperfect knowledge of rules. This means the speakers can keep conversation going in any situation despite a lack of vocabulary or insufficient knowledge of grammar.

2.4 Anxiety and Language Anxiety

In his study, Scovel (1978) defined the term "anxiety" as a state of "uneasiness, frustration, self-doubt, or worry". In addition, language anxiety is a phrase demonstrating a distinguished multipart of self-perceptions, beliefs, feelings, and behaviors related to classroom language learning derived from the uniqueness of language learning process" (Horwitz et al., 1986). Later, Gardner and MacIntyre (1993) further developed the term as the adverse emotions related to reactions that learners experience when uttering a second or foreign language. According to Horwitz at all (1986), language anxiety is composed of communication apprehension, test anxiety and fear of negative evaluation. To be more specific, communication apprehension is considered as a type of shyness by fear of anxiety when communicating with others (Horwitz et al., 1986) and the unwillingness to talk (Cabasag, 2020). Test anxiety is described as the fear of academic evaluation caused by the apprehension of failure (Horwitz et al., 1986). In his study, Horwitz and his colleagues (1986) defined fear of negative evaluation as the apprehension about others' judgments and avoidance of evaluative situations. Anxiety leads to passive manners in the classrooms as students tend to hinder themselves from getting involved in speaking activities or volunteering to present in front of the whole class (Ho & Truong, 2022).

2.5 Speaking Anxiety

Arizona, USA

According to Horwitz and his colleagues (1986), speaking is thought to be skill most significantly affected by anxiety. Ozturk and Gurbuz's study (2013) complied with that statement when advocating that speaking is observed as the most anxiety-affected skill and the most transparent source of anxiety in the language learning process. Several studies have been conducted to determine the level of speaking anxiety, and they were carried out in various teaching contexts. Liu and Jackson (2008) examined the unwillingness in communication and speaking anxiety among Chinese first-year freshmen. The findings indicated that over thirty percent of the students in the study encountered anxiety in the English-speaking lessons. Anxiety was found to be one of the factors causing difficulties in English speaking including fear of making mistakes, shyness and lack of confidence. Those are the findings from Al Nakhalah's study (2016) using observations and interviews as research instruments to investigate fourth-grade university students' reasons behind their speaking anxiety. In Malaysian educational contexts, Miskam and Saidalvi (2019) conducted research on undergraduate students to figure out their level of anxiety in their speaking performances and results showed that the participants had a moderate level of anxiety when speaking English. Later, Gumartifia and Syahri's study (2021) contributed to the literature of the examined subject research stating that most undergraduate participants were depressed when practicing or starting to speak in front of the crowd.

2.6 Related studies
2.6.1 Causes of Speaking Anxiety
In Asian contexts

Studies investigating the factors underlying English learners' speaking anxiety have been conducted on a wide scale in a wide range of Asian education systems. In Korean education contexts, Manly (2015) used a modified Horwitz et al. 's (1986) FLCAS to collect quantitative data among first-year students in a university. The findings showed anxiety about class performance, uncomfortableness when speaking, pressure for tests and preparation, comparisons to peers and negative attitudes towards English class were the primary causes leading to English speaking anxiety. Later, also in Korean context, Tian (2019) did a study to examine 22 sophomores at a national university and shared some similar results when identifying that negative attitudes towards speaking tasks, preparation time and negative feedback from peers were the main

elements resulting in students' English-speaking anxiety. Furthermore, Debreli and Demirkan (2016) conducted a study in a Turkish university and indicated that pronunciation difficulties, being asked immediate questions by teachers and failure to understand teachers' questions are the main reasons behind students' anxiety of speaking English. In 2020, Rajitha found that lack of grammatical knowledge, pronunciation factors, stage fear, stage fear, lack of confidence, shyness and peer factor are the factors contributing to English speaking anxiety among the target participants.

In Southeast Asian Contexts

In the Southeast Asian contexts, several studies have been carried out in search of the factors leading to learners' anxiety in speaking English. In 2014, Batiha and his colleagues concluded that test anxiety, fear of failing the course, instructor-learner interaction, vocabulary, negative evaluation and high expectations were the core factors causing Indonesian students' English-speaking anxiety. In addition, in 2017, Wilang and Singhasiri used Anxiety Scale in Spoken English as a Lingua Franca to determine the factors causing Thai undergraduates' English-speaking anxiety and noted that fast speed and understanding the meaning behind utterances were thought to be anxiety-causing situations. In the Philippines, Milan (2019) cited that students experienced English-speaking anxiety as they were afraid of grammatical errors, lack of opportunities to speak the target language, internal innovation and misconceptions about spoken English fluency. Furthermore, her study revealed that the shortage of personal training in the language, instructional materials unrelated to students' interest or major and concerns about being corrected while speaking are the major reasons underlying the participants' anxiety for the speaking performances. In the same context, Jugo (2020) discovered that negative self-perception, error correction, fear of making mistakes or being negatively evaluated are notable reasons leading to Filipino students' anxiety in the process of English-speaking lessons.

2.6.2 Solutions

Positive solutions for overcoming English-speaking anxiety have been identified in several studies for the purpose of improving the quality of teaching and learning practice. In 2007, Ardi conducted a study to discover Indonesian university students' ways to cope with anxiety in learning a foreign language and found

that they used four strategies regarding preparation, relaxation, positive thinking and peer seeking. In Japanese educational context, Lizuka (2010) investigated EFL college students' solutions to deal with anxiety in English language speaking and noted that the students practiced positive measures including having better preparations, making greater attempts in most speaking performances and seeking peer assistance when failing to understand teachers' questions. In addition, Chou (2018) investigated Taiwan undergraduates from four universities and concluded that the target participants used rehearsal and paraphrasing strategies to overcome the anxiety of English-speaking anxiety in their performances and practices. Later, in 2021, Pabro-Maquidato identified Filipino university students utilized a range of solutions to overcome nervousness in English speaking sessions such as using useful learning tools, putting thoughts into writing, having more speaking practice and consulting teachers for feedback.

Beside positive solutions used by college and university students, negative ways including giving up, ignoring or distancing themselves from difficult situations were identified. In a Turkish university, an investigation was carried out by Genç et al., (2016) and the results were recorded. The target participants used resignation strategies such as giving up, stopping paying attention and accepting the difficult situation. Seeking support from peers was identified in this quantitative study as a strategy to cope with English-speaking anxiety, but they used it with the least frequency.

2.6.3 Related studies in Vietnam

Recognizing the importance of English-speaking skill in the Vietnamese educational context, several studies have been conducted for the sake of giving insights into factors contributing to English-speaking anxiety among Vietnamese university students and strategies to overcome this issue in teaching and learning. The need for exploring the anxiety-causing factors among those target students is undeniable as the English language has become so dominant in the teaching curriculum in many universities Vietnam; furthermore, undergraduates regarding English as a means of widening the scope of their understanding in this globalized world and ensuring themselves a wide range of job prospects. Therefore, Tran (2019) carried out a study examining the level of English-speaking anxiety among first-year students at Hanoi National University of Education. With the use of the Foreign Language Speaking Anxiety Scale, the researcher found that the participants engaged in the study showed their low English language proficiency, unwillingness and uncertainty during speaking lessons. Additionally, the results indicated that students in this university encountered a high level of anxiety during English lessons. The reasons were later analyzed, and they were attributed to their lack of confidence in communication and concerns of failure. Besides, the participants experienced the feeling of anxiety in speaking activities or tests, teachers' speaking speed and feelings of inferiority to their classmates. A year later, Le and Tran (2020) conducted a descriptive study among Thai Nguyen University students to determine the level of speaking anxiety and concluded that the participants had a moderate level of English-speaking anxiety. Moreover, the reasons underlying their anxiety were fear of being laughed at, fear of making mistakes and lack of confidence. Other reasons including fear of negative evaluation and anxiety of being the focus of attention were also identified.

3. Methodology

3.1 Design

A descriptive study using a mixed-methods approach was conducted to investigate university students' English-speaking anxiety and find out solutions to overcome this issue. A mixed-methods approach, according to Fraenkel, Wallen, and Hyun (2012), includes quantitative and qualitative data gathering and analysis. Quantitative data: in particular, is used to generalize the findings of the study to the entire population, and qualitative data is utilized to obtain a detailed understanding of the initial quantitative data (e.g., Creswell, 2003; Fraenkel et al., 2012). To analyze quantitative data, the computer software Statistical Package for the Social Sciences (SPSS) version 25 was employed. The Descriptive Statistics Test, One Sample t-Test, Paired-Samples t-Test and Independent Samples t-Test were run to examine the level of English-speaking anxiety among first-year students.

3.2 Participants

3.2.1 Participants for the questionnaires

Student participants in this study were 200 from a private university in the Mekong Delta. There were 100 female students and 100 male students getting involved in the study. They are taking an English course at the time the study was conducted. The participant selection is based on convenience sampling (Fraenkel, Wallen, and Hyun, 2012).

3.2.2 Participants for the interviews

20 students (10 males and 10 females) were invited to participate in the interviews. The purpose of the interviews was to gain their perspectives of the reasons behind their English-speaking anxiety and their solutions to overcome this issue in their language learning.

3.3 Instruments

3.3.1 Questionnaires

In this study, questionnaires were used to collect data on the level of anxiety when speaking English among the participants. The questionnaire will consist of 32 questions revolving around three main causes of learners' anxiety when speaking English: communication apprehension, test anxiety, and fear of negative evaluation. These causes were identified from the research of Horwitz et al. (1986). The adapted questionnaire was referenced from the questionnaire in the study of Saeed and Rana (2022), containing 30 questions using a five-point Likert scale (1932) and 2 open-ended questions.

3.3.2 Interviews

In addition, semi-structured interviews with open-ended questions were conducted as a qualitative data collection tool with the aim of gaining a deeper understanding of the reasons behind the anxiety-inducing factors of the target participants and identifying their solutions to improve their speaking abilities. All transcripts of the interviews were read carefully and coded using thematic analysis (Boyatzis, 1998). Subsequently, the participants' responses were grouped into themes based on their similarities and differences.

4. Findings

4.1 Findings from the questionnaires

4.1.1 Overall anxiety faced by first-year students in speaking classes

A Descriptive Statistics Test was conducted to examine the overall mean score of student anxiety when attending speaking classes. The results of the test are presented in Table 4.1.

Table 4.1 Students' overall anxiety

	N	Min	Max	Mean	SD
Total	200	1.00	5.00	3.41	.70
Valid N (listwise)	200				

Table 4.1 shows the overall mean score of anxiety faced by first-year students when attending speaking classes, which was at an average level (M=3.41, SD=.70)

(noted by Oxford (1990), the five-point scale (average-level: means of 2.6 to 3.4).

Table 4.2 Students' speaking anxiety by clusters

	N	Min	Max	Mean	SD
Communication Apprehension	200	1.00	5.00	3.37	.77
Test Anxiety	200	1.00	5.00	3.63	.79
Fear of Negative Feedback	200	1.00	5.00	3.22	.79
Meanoverall	200	1.00	5.00	3.41	.70
Valid N (listwise)	200				

Table 4.2 shows that the mean score for students' test anxiety was at a high level (M=3.63, SD=.79), followed by that of communication apprehension (M=3.37, SD=.77), and fear of negative feedback was at an average level (M=3.22, SD=.79).

4.1.2 Anxiety faced by first-year students in speaking classes in terms of gender

Table 4.3 Independent-Samples t-Test for students' anxiety (in terms of gender)

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig.	Mean difference	SD	95% Confidence Interval of the Difference	
									Lower	Upper
MeanE	Equal variances assumed	2.89	.09	-.62	198	.536	-.06	.100	-.26	.13
	Equal variances not assumed			-.61	184	.539	-.06	.101	-.26	.13

4.1.3 Anxiety faced by first-year students in speaking classes in terms of majors of study

An Independent-Samples t-Test was also run to determine whether there was a difference between male and female students in terms of speaking anxiety and the results are shown in Table 4.3. After analyzing the data through the function "Compare Means'' in the SPSS software, it was identified that the mean score of male students in respect of English-speaking anxiety was 3.38 and that of female students was 3.44. Then, with analyzing the overall mean score for both male and female students through Independent-Samples t-Test, the result demonstrates that there was no difference between the two target participants regarding their speaking anxiety (t=.62; df=198; p=.09>.05). It is indicated from the result that male and female students faced the same level of anxiety when attending English-speaking classes.

Table 4.4 Independent-Samples t-Test for students' anxiety (in terms of majors of study)

		Levene's Test for Equality of Variances		t-test for Equality of Means					
		F	Sig.	t	df	Sig.	Mean difference	SD	95% Confidence Interval of the Difference	
									Lower	Upper
MeanE	Equal variances assumed	2.26	.61	-.38	198	.704	-.38	.101	-.23	.16
	Equal variances not assumed			-.37	177	.706	-.38	.102	-.24	.16

An Independent-Samples t-Test was also run to determine whether there was a difference between non-English-majored students and English-majored students in terms of speaking anxiety and the results are shown in Table 4.4. From the analysis in the SPSS software, it was noted that that the mean score of non-English-majored students in respect of English-speaking anxiety was 3.39 and that of female students was 3.43. Then, with analyzing the overall mean score for both non-English-majored students and English-majored students through the Independent-Samples t-Test, the result demonstrates that there was no difference between the two target participants regarding their speaking anxiety (t=-.38; df=198; p=.61>.05). It is indicated from the result that non-English-majored students and English-majored students faced the same level of anxiety when attending English-speaking classes although the mean score for English-majored students was observed to be higher than that of non-English-majored students.

4.2 Findings from the interviews

4.2.1 Insights into students' communication apprehension

a. For English-majored students

Analysis for the interview data reveals that most of the English-majored students (8 out of 10) participating in the interview encountered anxiety when attending speaking classes. In particular, eight of them advocated that when being asked unexpected questions and had a little time for preparation, they seemed to be anxious, and their mind went blank. However, they still tried to overcome that anxiety and present their ideas. The following extracts illustrate their views.

"First, I may feel a bit nervous and scared because at that time I am not ready to answer the question, but I will still try to answer the questions because I have the responsibility to contribute to the speaking lessons." (Student 1, interview extract)

"If the question is too unexpected, I will be a bit anxious. I will not be able to prepare the answer in time as well as the mentality to respond to the lecturer. After that, I will still be calm to find the answers." (Students 9, interview extract)

However, 2 out of 10 English-majored students stated that they found themselves anxiety-free when communicating in English-speaking classes. They found it normal and be mentally ready to answer questions from lecturers and with confidence. The following extracts illustrate their views.

"As soon as I hear the questions from teachers, I would be ready to prepare the answers and mentally eager to answer them, so I think that is quite normal." (Students 7, interview extract)

"When the lecturer asks me unexpected, I know that my English level can be good enough to deal with their questions. But if I make mistakes, lecturers can help supplement my knowledge. Therefore, there is nothing to worry about."

b. For non-English-majored students

After analyzing interview data, it is seen that 10 out of 10 non-English-majored students participating admitted that they encountered English-speaking anxiety in speaking classes, especially when being asked unexpected questions from lecturers then had not much time preparing for a fulfilled answer. 3 out of 10 students said that they were not able to answer teachers' questions, then gave up or avoided presenting their ideas. The following extracts illustrate their viewpoints.

"I can understand the questions, but when the teacher asks me to give answers, I cannot have a complete answer." (Student 11, interview extract)

"I feel so much worried and cannot answer teachers' questions well because I am afraid that my ability is nood good or I mispronounce some words." (Student 16, interview extract)

Nevertheless, the rest of non-English-majored students (7 students) showed their anxiety at first, but they tried to answer them with their proficiency. Some of them even asked for help from their friends to overcome their anxiety and answer teachers' questions in speaking classes. The following extracts illustrate their opinions.

"What I need is having enough time to prepare for my answers. Then, I try my best to come up with the ideas and answer the questions from lecturers based on what I know." (Student 12, interview extract)

"For the questions I do not know how to answer, I feel anxious at first sight. Them, I try to answer them or find support from the friends sitting next to me." (Student 14, interview extract)

4.2.2 Insights into students' test anxiety

a. For English-majored students

The qualitative data from the questionnaires indicate that half of the English-majored students (5 out of 10) encountered speaking anxiety when taking an English-speaking test. This type of anxiety came from the fact that they had high expectation on their scores in taking the test. The following extracts illustrate their opinions.

"I just feel relieved when I finish my speaking test as I always expect that I will achieve high scores in the English-speaking test,

which is the reason why I feel anxious before the test." (Student 1, interview extract)

"After many times dealing with the speaking test, I can get used to the feeling of anxiety before it. However, I still feel anxious and worried when having to take the test because I want to achieve flying colors in the tests and achieve my goals." (Student 5, interview extract)

Surprisingly, 5 out of 10 English-majored students showed no anxiety when attending an English-speaking test. Some of them even described their readiness and eagerness in taking the test. The following extracts illustrate their opinions.

"The lecturers gave us some topics for preparation before the speaking test, so I had time to well prepared for that. Therefore, I found no anxiety when taking an English-speaking test."

"I can easily overcome English-speaking anxiety as I grew up with a lot of chances to speaking English with foreigners, so I am not anxious when taking an English test." (Student 9, interview extract)

b. For non-English-majored students

The semi-structured interviews with non-English-majored students reveals that most of them (9 out of 10 students) advocated that they suffered speaking anxiety when taking an English test. The reasons came from their fear of making time constraints, being asked extra questions, lack of vocabulary for the answers or simply not understanding teachers' questions. The following extracts illustrate their ideas.

"I am afraid that the examiners in the speaking tests wait for my answers to be generated for so long, but then I cannot have a complete answer." (Student 11, interview extract)

"Although I have time to prepare for my answer, I still feel nervous before the test because of the fact that the examiners may ask extra questions or follow-up questions based on my speaking content and I'm afraid that I am not proficient enough to answer those questions." (Student 12, interview extract)

"I am not confident with my range of vocabulary, so when I have to take an English-speaking test and talk face-to-face with the examiners in the speaking test, I cannot find enough vocabulary to come up with the answers as I wish." (Student 15, interview extract)

Just 1 non-English-majored students showed no anxiety when dealing with an English test as he stated that he was confident with his ability and his problem-solving skills. Therefore, speaking anxiety is of his control and he found no anxious feelings.

"I have time to prepare for the speaking test; thus, I do not suffer from English-speaking anxiety at all." (Student 16, interview extract)

4.2.3 Insights into students' fear of negative evaluation

a. For English-majored students

8 out of 10 English-majored students stated that they found no anxiety about their peers' negative evaluation or being laughed at is making mistakes. Even when they made mistakes in their speaking performances, they felt all right as they were just normal in the learning process. Moreover, they found teachers' feedback on their speaking performances are valuable in their learning

procedure. The following extracts illustrate their viewpoints.

"I am not afraid that my friends may laugh at me if I make mistakes when giving speaking performances or presentation in classes because they are just at the same age as me. For lecturers' feedback, it is useful in my study because it helps me recognize my mistakes and improve them later." (Student 3, interview extract)

"When I was at high school, I was little but shy. However, when coming to university, the learning environment is more dynamic, and I was motivated to be more active by my friends. Gradually, I become more confident in English-speaking classes as and the lecturers are supportive to students as well, which helps me feel more comfortable in speaking classes." (Student 5, interview extract)

Then, 2 out of 10 students expressed their anxiety when they sometimes encountered English-speaking anxiety in classes. The reasons were that they lacked knowledge in vocabulary and grammar, so they could not control their utterances in speaking performances or presentations. However, fear of negative feedback was not a very major problem as they said they could overcome it, and this did not affect their mood for the next time giving speaking performances. The following extracts illustrate their views

"For small talks with friends, I feel normal. However, when giving presentations or having to speaking in front of the whole class, I feel shy and anxious as I am not confident with my vocabulary and grammar." (Student 6, interview extract)

"I am worried that my friends may laugh at me if I make mistakes when giving speaking performances. However, this will not affect me lot for the next time I do it." (Student 10, interview extract)

b. For non-English-majored students

8 out of 10 students admitted that they had anxiety due to negative feedback from peers or disappointment from lecturers. To be more specific, some non-English-majored students revealed the fear of being laughed by their friends if they made mistakes while speaking; whereas others felt embarrassed when having the same mistakes although their lecturers had carefully conveyed that piece of knowledge. In other words, those students felt anxious and worried since they were afraid of being judged or underestimated by their peers or lecturers. Most of them advocated that those negative feelings would affect their speaking performances in the next time. The following extracts illustrate their points of view.

"For my friends, I do not feel so embarrassed. But for my teachers, I feel so shy if I make so many mistakes in my speaking performances because that is the knowledge the teachers taught me before. I do not remember and make mistakes, so I feel uncomfortable and guilty of my mistakes when facing my teachers." (Student 11, interview extract)

"I just feel embarrassed if my friends laugh at or judge me when I make mistakes. But for our lecturers, I value their feedback for my improvement in the future. However, when receiving feedback, I may feel a little upset and become less confident for the next time presenting in speaking classes." (Student 12, interview extract)

"If being stopped and corrected directly in speaking classes, I would feel so embarrassed. This refrained me from continuing to present my ideas because I lost my confidence at that time. And for the next time giving oral presentation, I would not feel as normal." (Student 20, interview extract)

Notably, 2 out of 10 non-English-majored students showed no anxiety for negative evaluation from their lecturers or peers. They stated that making mistakes was unavoidable in the learning process and they could learn new knowledge or not making the same mistake one more time. The following extracts illustrate their viewpoints.

"Fear of negative evaluation does not cause me an anxiety because my English proficiency was not good. I accepted that, so I felt normal when making mistakes and tried to learn new things from them." (Student 19, interview extract)

"I think that I can learn from the feedback that my lecturers or friends gave me. Those were valuable to me because I can recognize my weaknesses and have a chance to correct them to be better in speaking English in the future." (Student 17, interview extract)

4.2.4 Insights into students' solutions to overcome English-speaking anxiety

a. For English-majored students

Those students used a wide range of solutions to overcome English-speaking anxiety. Most of the English-majored students agreed that they tried to get involved in an English-speaking environment so that they could have more chances to speak out English utterances. In particular, 4 out of 10 students advocated that they actively engaged in some of the environment that allow them to speak more. They participated in some English-speaking clubs, set some of the social network platforms on their phone in English language or talk with natives from English-speaking country so that they can immerse in this target language and improve their speaking skills. In addition, playing games designed in English is another way students use to help me create an environment enabling them to speak out as much English as possible. For those students, playing games not only brings them excitement and entertainment but assists them in uttering out English sentences more frequently because they must communicate with other players in a game match to be winners. This is a good condition for them to use English communicatively as they are motivated to win the game, which indirectly helps them overcome their English-speaking anxiety. The following extracts illustrate their points of viewpoints.

"For me, I have attended some English-speaking clubs in my city so that I can have more friends and talk English with them. Moreover, I add some foreigners in the social network and then I try to talk with them to improve my English-speaking skills." (Student 1 and Student 8, interview extract)

"For games, they bring us joy and relaxation after hard study. Moreover, one of the reasons I play games is that I want to improve my English-speaking skills. In the game, there are many players coming from different countries and the only language we share is English. Therefore, it is an opportunity for me to talk English to them and get over my English-speaking anxiety or even proficient in it." (Student 3, Student 4 and Student 10, interview extract)

Improving English vocabulary and grammar is another strategy that 2 out of 10 students used to tackle their English-speaking anxiety. They said that they needed to broaden their vocabulary range as well as grammar to be less anxious in speaking classes. The following extracts illustrate their perspectives.

"I am supposed to improve my vocabulary and grammatical structures from basic to advanced level to overcome my anxiety when I have to give English speaking performances." (Student 2, interview extract)

"To understand others' speaking, I must equip myself with a range of vocabulary. Then, I will be able to communicate with them or just simply respond to them." (Student 5, interview extract."

Enhancing students' proficiency is one of the notable solutions that English-majored sophomores made to lessen the anxiety in their speaking performances. To be more specific, 2 out of 10 students stated that they tried to imitate the intonation from English natives so that they could be able to have good pronunciation as well as natural intonation just like them, which can be considered as promising strategy to promote their proficiency in English speaking and address her anxiety. Some of the listening sources are speaking videos, talks or speeches on some social network platforms. The following extracts demonstrate their points of view.

"I found videos or English presentations like TedTalk so useful as they convey a lot of knowledge to me as well as help me improve my pronunciation. Besides, I can imitate the native presenters' intonation so that I can have a precise way of pronouncing a word or the intonation in a whole sentence." (Student 7 and Student 9, interview extract)

b. For non-English-majored students

10 non-English-majored students found some of the strategies effective in addressing their speaking anxiety. 3 out of 10 students improve their English anxiety through entertainment activities such as playing online games with English instructions (Student 12) and watching films with English subtitles (Student 13 and Student 17). Other first-year students found the support from lecturers or their foreign friends for clarification or correction on their mistakes in speaking (Student 14, Student and Student 18). Although their ideas are not as diverse as those of English-majored students, 2 out of 10 non-English-majored students advocated interesting and innovative solutions to overcome the research issue. To illustrate, these two students recognized the need for

self-improvement as they were supposed to improve their own weaknesses in English speaking, then focus on self-study or find an English-speaking environment to support their speaking skills. The following extracts illustrate their viewpoints.

"Recognizing and improving my own weaknesses are crucial if I want to solve my English-speaking anxiety. I am so shy to do that with the help of lecturers." (Student 16, interview extract)

"I myself have to find an English-speaking environment in the I live so that I can have more chances to speak out the target language. I stress the importance of self-study for improvement, but with the support and correction from teachers as well." (Student 20, interview extract).

5. Discussion

5.1 From questionnaires

The quantitative findings of this study provide a statistical overview of the English-speaking anxiety experienced by first-year university students in a private university in the Mekong Delta, Vietnam and offer insights into the levels of its specific components as well as potential differences based on gender and academic majors.

The analysis of the overall mean anxiety score indicates that the first-year students in this study experienced an average level of anxiety when attending English-speaking classes, suggesting that while anxiety is present, it is not overwhelmingly high for the student population as a whole. However, this overall average potentially masks variations within the specific domains of speaking anxiety.

A more detailed examination of the anxiety components reveals a more nuanced picture. Notably, test anxiety emerged as the most prominent domain, indicating a high level of anxiety. This finding underscores the significant pressure and apprehension students associate with formal speaking evaluations. Following test anxiety, communication apprehension was found to be at an average level, indicating a moderate degree of nervousness and discomfort related to oral communication in the classroom. Lastly, fear of negative evaluation revealed an average level, suggesting that while students are concerned about others' judgments, this concern is not as significant as their anxiety related to testing situations. The higher level of test anxiety compared to communication apprehension and fear of negative evaluation suggests that the evaluative aspect of speaking tasks is a particularly significant source of anxiety for these learners.

Furthermore, the study investigated potential differences in overall speaking anxiety between male and female students. The results indicated that there was no statistically significant difference in the mean anxiety scores between the two groups. This suggests that, on average, both male and female first-year students in this study experience similar levels of anxiety when participating in English-speaking classes.

Finally, an analysis was conducted to explore potential differences in overall speaking anxiety between English-majored and non-English-majored students. The findings revealed no statistically significant difference in the mean anxiety scores between the two groups. This implies that, despite a slightly higher observed mean score for English-majored students, both groups experience comparable levels of anxiety in English-speaking classes. This is a noteworthy finding, as one might intuitively expect non-English majors to experience higher anxiety due to less focused language study. However, the data suggests that factors beyond academic major contribute to speaking anxiety in this context.

In summary, the quantitative data indicates that first-year students, on average, experience an average level of anxiety in English-speaking classes, with test anxiety being the most prominent component. Interestingly, no significant differences in overall speaking anxiety were found between male and female students, nor between English-majored and non-English-majored students. These findings provide a foundational understanding of the prevalence and nature of speaking anxiety within the studied population, highlighting the specific challenges posed by testing situations and suggesting that anxiety is a shared experience across gender and academic focus at this stage of their university studies. These quantitative results can be further enriched and contextualized by the qualitative insights gathered from the interviews.

5.2 From semi-structured interviews

The qualitative data gained from the semi-structured interviews offers valuable and nuanced insights into the English-speaking anxiety experienced by both English-majored and non-English-majored students. Analyzing these experiences through the lens of communication apprehension test anxiety, and fear of negative evaluation reveals both shared vulnerabilities and distinct differences between the two groups.

Regarding communication apprehension, the findings consistently indicate that unexpected questioning in speaking classes serves as a significant trigger for anxiety in most students, regardless of their

major. The feeling of being unprepared and under pressure to formulate immediate responses often leads to nervousness and mental blocks. However, a key divergence lies in the subsequent response. While most English-majored students, despite their initial anxiety, actively strive to overcome it and participate, a notable portion of non-English-majored students tend to feel overwhelmed, leading to avoidance or an inability to articulate their thoughts. This suggests that English-major ed students may possess a greater degree of resilience or a stronger sense of responsibility towards classroom participation, even when faced with anxiety-provoking situations.

In the domain of test anxiety, the anticipation of formal speaking assessments results in anxiety in a substantial number of students from both majors. For English-majored first year students, this anxiety is often intertwined with high personal expectations for their speaking performances. Conversely, non-English-majored first-year students express anxieties rooted in perceived linguistic limitations such as fear of time constraints, unexpected follow-up questions, insufficient vocabulary and comprehension challenges. The fact that half of the English majors reported no test anxiety, potentially due to familiarity or adequate preparation, contrasts sharply with most anxious non-English majors, underscoring the different levels of confidence and preparedness when facing evaluative speaking tasks.

The findings on fear of negative evaluation reveal a more profound distinction between the two groups. Most English-majored students demonstrate a relatively low level of anxiety concerning peer judgment or making mistakes, viewing errors as a natural part of language acquisition and appreciating constructive feedback from instructors. In contrast, a significant proportion of non-English-majored students express considerable anxiety related to negative evaluation from both peers and lecturers. The fear of being ridiculed, underestimated or feeling embarrassed by their mistakes, particularly when they involve previously taught material, appears to be a significant concern. This suggests that non-English majors may be more sensitive to social evaluation in the language learning context, potentially hindering their willingness to take risks and participate actively.

Finally, the exploration of students' solutions to overcome English-speaking anxiety reveals a greater diversity and proactivity among English-majored students. Their strategies encompass creating immersive English-speaking environments, leveraging entertainment for language practice, consciously focusing on vocabulary and grammar development and actively working on pronunciation. While non-English-majored students also identify coping mechanisms, their approaches appear less varied and often involve seeking external support or utilizing more passive forms of engagement. The recognition of self-improvement and the need for English-speaking environments by some non-English majors indicates an awareness of proactive strategies, though perhaps with less confidence in their independent implementation.

In conclusion, the interview data provides a rich understanding of the multifaceted nature of English-speaking anxiety among first-year university students. While both English-majored and non-English-majored students experience anxiety across the domains of communication apprehension and test anxiety, the intensity and underlying concerns often differ. Notably, non-English majors exhibit a greater vulnerability to anxiety, particularly concerning unprepared communication and fear of negative evaluation. The diverse solutions employed by English majors offer valuable insights for pedagogical interventions aimed at fostering a more supportive and less anxiety-inducing learning environment for all students. These findings underscore the importance of tailored approaches that address the specific anxieties and needs of different learner populations in the foreign language classrooms.

5.3 Implications

Drawing from the quantitative and qualitative insights into students' experiences with English-speaking anxiety, several recommendations can be proposed to foster a more supportive and effective learning environment. For instructors and curriculum designers, it is crucial to implement strategies that directly address the identified causes of anxiety. This includes minimizing communication apprehension by providing students with adequate preparation time for oral tasks, cultivating a low-pressure classroom atmosphere where mistakes are viewed as integral to the learning process, and offering gradual opportunities for oral participation. Furthermore, addressing test anxiety in speaking assessments requires clear evaluation criteria, opportunities for practice and familiarization with the test format, and a focus on communicative competence over perfect accuracy. Finally, creating a positive classroom environment that

actively discourages negative evaluation, models supportive feedback, and encourages peer collaboration is essential to reduce students' fear of judgment and promote a more comfortable learning space. For students themselves, proactive engagement in English-speaking opportunities, leveraging English-language entertainment for informal learning, setting realistic goals for improvement, and developing personal coping strategies for anxiety are recommended. Seeking support from peers and instructors and considering mistakes as valuable learning experiences can also significantly contribute to reducing anxiety and building confidence in English speaking. School leaders and administrators also play a crucial role in fostering a supportive environment for language learning. To address English-speaking anxiety at a broader institutional level, it is recommended to prioritize teacher training and professional development focused on anxiety-reducing pedagogical approaches and effective feedback strategies. Establishing clear guidelines for speaking assessment that emphasize communication over error-focused evaluation can also alleviate student pressure. Furthermore, creating opportunities for extracurricular English language activities, such as speaking clubs and peer tutoring programs, can provide students with low-stakes environments to practice and build confidence. Allocating resources for smaller class sizes in speaking-focused courses could allow for more individualized attention and reduced performance anxiety. Finally, promoting a school-wide culture that values language learning as a process involving experimentation and mistakes, rather than a performance judged on perfection, can significantly impact students' affective experiences and overall language acquisition.

6. Conclusions

In conclusion, this study provided a comprehensive understanding of English-speaking anxiety among first-year university students in a Mekong Delta private university. Quantitative findings revealed an average overall anxiety level, with test anxiety being the most prominent component, and no significant differences based on gender or major. Qualitative data enriched these findings by highlighting the distinct anxieties and coping mechanisms of English-majored and non-English-majored students, particularly regarding communication apprehension and fear of negative evaluation. The implications suggest targeted pedagogical and administrative interventions to reduce

anxiety and foster a more supportive learning environment. Future research should address the study's limitations by employing larger qualitative samples, exploring longitudinal trends and the interplay of different anxiety types, and investigating the effectiveness of specific interventions in diverse contexts.

While the qualitative data offers rich insights into the causes of English-speaking anxiety among the participating students, several limitations must be acknowledged. Firstly, the semi-structured interviews were conducted with a small sample of only 20 students, evenly divided between English-majored and non-English-majored participants. This limited sample size inherently restricts the generalizability of the qualitative findings to the broader student population and other educational contexts. Secondly, the study involved a considerably larger quantitative sample for the questionnaire (200 participants), creating a significant disparity between the depth of the qualitative data and the breadth of the quantitative data. This imbalance prevents a direct triangulation or statistical linking of the detailed interview findings to the larger trends potentially identified through the questionnaires. Thirdly, the reliance on self-reported data, both in interviews and questionnaires, introduces the potential for various biases, including social desirability and recall inaccuracies, which could influence the reported levels and experiences of anxiety. Furthermore, the study was conducted within a specific educational and cultural context in a private university in Can Tho, Vietnam, and the findings may be unique to this environment, limiting their direct applicability to other diverse learning settings. Finally, the study's focused examination of speaking anxiety means that other potentially significant sources of anxiety within the foreign language classroom, such as those related to listening, reading, or writing, were not explored, potentially offering an incomplete picture of the overall affective challenges faced by learners.

Based on the findings and limitations of this study, several avenues for future research are suggested. Firstly, given the limited sample size of the qualitative interviews, future studies could employ larger and more diverse interview samples to enhance the generalizability of the in-depth insights into students' anxiety experiences and coping mechanisms. Longitudinal studies could also track the development of speaking anxiety and the effectiveness of interventions

over time. Furthermore, exploring the interplay between different types of foreign language anxiety (e.g., listening, writing) and speaking anxiety could provide a more holistic understanding of learners' affective challenges. Investigating the impact of specific pedagogical interventions designed to target the identified domains of anxiety, such as communication apprehension and test anxiety, would be valuable. Finally, cross-cultural comparisons of English-speaking anxiety among first-year university students could offer insights into the role of cultural and educational contexts in shaping this phenomenon.

References

[1]. Al Nakhalah, A. M. M. (2016). Problems and difficulties of speaking that encounter English language students at Al Quds Open University. International Journal of Humanities and Social Science Invention, 5(12), 96–101.

[2]. Ardi, M. (2007). Investigating students' foreign language anxiety. Malaysian Journal of ELT Research, 3(1), 37–55.

[3]. Batiha, J. M., Noor, N. M., & Mustaffa, R. (2016). Speaking anxiety among English as a foreign language learner in Jordan: Quantitative research. International Journal of Education and Research, 4(10), 63–82.

[4]. Boyatzis, R. E. (1998). Transforming qualitative information: Thematic analysis and code development. Sage Publications, Inc.

[5]. Brown, H. D. (1994). Teaching by principles: An interactive approach to language pedagogy. Prentice Hall Regents.

[6]. Burns, A., & Joyce, H. (1997). Focus on speaking. National Centre for English Language Teaching and Research (NCELTR), Macquarie University.

[7]. Bygate, M. (1987). Speaking (Language Teaching: A Scheme for Teacher Education). Oxford University Press.

[8]. Byrne, D. (1991). Teaching oral English. Longman.

[9]. Cabansag, J. N. (2020). Speaking anxiety, English proficiency, affective and social language learning strategies of ESL engineering students in a state university in Northern Luzon, Philippines. International Journal of English Linguistics, 10(1), 372.

[10]. Chaney, A. L. (1998). Teaching oral communication in grades K-8. Allyn and Bacon.

[11]. Chou, M. H. (2018). Speaking anxiety and strategy use for learning English as a foreign language in full and partial English-medium instruction contexts. Tesol Quarterly, 52(3), 611–633.

[12]. Creswell, J. W. (2003). Research design: Qualitative, quantitative, and mixed method approaches. Sage Publications, Inc.

[13]. Debreli, E., & Demirkan, S. (2015). Sources and levels of foreign language speaking anxiety of English as a foreign language university students with regard to language proficiency and gender. International Journal of English Language Education, 4(1), 49–62.

[14]. Fraenkel, J. R., Wallen, N. E., & Hyun, H. H. (2012). How to design and evaluate research in education (8th ed.). Mc Graw-Hill Humanities.

[15]. Gardner, R. C., & MacIntyre, P. D. (1993). A student's contributions to second-language learning. Part II: Affective variables. Language Teaching, 26(1), 1–11.

[16]. Genç, G., Kuluşaklı, E., & Aydın, S. (2016). Foreign language speaking anxiety and anxiety coping strategies employed by Turkish EFL learners. In ICERI2016 Proceedings (pp. 417–423). IATED.

[17]. Gumartifa, A., & Syahri, I. (2021). English speaking anxiety in language learning classroom. English Language in Focus (ELIF), 3(2), 99–108.

[18]. Ho, D. P. K., & Truong, T. N. N. (2022). Exploring Vietnamese non-English-majored freshmen's English-speaking anxiety at a public university in Vietnam. VNU Journal of Foreign Studies, 38(5).

[19]. Horwitz, E. K., Horwitz, M. B., & Cope, J. (1986). Foreign language classroom anxiety. The Modern Language Journal, 70(2), 125–132.

[20]. Iizuka, K. (2010). Learner coping strategies for foreign language anxiety. In JALT2009 conference proceedings (pp. 103–112).

[21]. Jugo, R. R. (2020). Language anxiety in focus: The case of Filipino undergraduate teacher education learners. Education Research International, 2020, 1–8.

Arizona, USA

[22]. Kayi, H. (2006). Teaching speaking: Activities to promote speaking in a second language. The Internet TESL Journal, 12(11).

[23]. Le, Q. D., & Tran, L. H. (2020). Speaking anxiety and language proficiency among EFL at a university in Vietnam. International Journal of Social Science and Human Research, 3(9), 124–133.

[24]. Liu, M., & Jackson, J. (2008). An exploration of Chinese EFL learners' unwillingness to communicate and foreign language anxiety. The Modern Language Journal, 92(1), 71–86.

[25]. Mackey, W. F. (1965). Language teaching analysis. Longman.

[26]. Manley, K. (2015). Comparative study of foreign language anxiety in Korean and Chinese students. St. Cloud State University.

[27]. Mead, N. A., & Rubin, D. L. (1985). Assessing listening and speaking skills. ERIC Digest. ERIC Clearinghouse on Reading and Communication Skills Urbana IL.

[28]. Milan, M. C. (2019). English speaking anxiety: Sources, coping mechanisms, and teacher management. PUPIL: International Journal of Teaching, Education and Learning, 5(2), 1–28.

[29]. Ministry of Education and Training. (2008). Teaching and learning foreign languages in the national education system from 2008 to 2020. Hanoi, Vietnam: Retrieved from http://tailieu.vn/doc/de-an-day-va-hoc-ngoai-ngu-trong-he-thong-giao-duc-quoc-dan-1331102.html.

[30]. Miskam, N. N., & Saidalvi, A. (2018). Investigating English language speaking anxiety among Malaysian undergraduate learners. Asian Social Science, 15(1), 1–7.

[31]. Nunan, D. (1991). Language teaching methodology. Prentice-Hall International.

[32]. Oxford, R. L. (1990). Language learning strategies: What every teacher should know. Heinle and Heinle

[33]. Öztürk, G., & Gürbüz, N. (2013). The impact of gender on foreign language speaking anxiety and motivation. Procedia - Social and Behavioral Sciences, 70, 654–665.

[34]. Pabro-Maquidato, I. M. (2021). The experience of English-speaking anxiety and coping strategies: A transcendental phenomenological study. International Journal of TESOL & Education, 1(2), 45–64.

[35]. Pattison, P. (1992). Developing communication skills. Cambridge University Press.

[36]. Rajitha, K., & Alamelu, C. (2020). A study of factors affecting and causing speaking anxiety. Procedia Computer Science, 172, 1053–1058.

[37]. Saeed, Q., & Rana, S. (2022). An Analysis of English-Speaking Anxiety of University Students in Nangarhar, Afghanistan. Pakistan Languages and Humanities Review, 6(3), 425–439.

[38]. Scovel, T. (1978). The effect of affect on foreign language learning: A review of the anxiety research. Language Learning, 28(1), 129–142.

[39]. Shumin, K. (2002). Factors to consider developing adult EFL students' speaking abilities. In J. C. Richards & W. A. Renandya (Eds.), Methodology in language teaching: An anthology of current practice (pp. 204–211). Cambridge University Press.

[40]. Tian, C. (2019). Anxiety in classroom English presentations: A case study in Korean tertiary educational context. Higher Education Studies, 9(1), 132–143.

[41]. Tran, T. T. X. (2019). Anxiety in foreign language classrooms at Hanoi National University of Education. Vietnam Journal of Education, 6, 60–64.

[42]. Ur, P. (1996). A course in language teaching: Practice and theory. Cambridge University Press.

[43]. Wilang, J. D., & Singhasiri, W. (2017). Out-of-class anxiety in a non-English speaking context and its effects on intelligibility and comprehensibility. Issues in Educational Research, 27(3), 620–638.

[44]. Wilkins, D. A. (1979). The communicative approach to language teaching. Oxford University Press.

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Tolerance in Proverbial Discourse: A Comparative Linguocultural and Semantic-Field Analysis of English, Russian, and Uzbek

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Abstract

This study investigates how the concept of tolerance is linguoculturally represented in proverbial discourse across English, Russian, and Uzbek. Proverbs are treated as culturally marked, norm-oriented units that compress social experience into concise evaluative models guiding interpersonal behavior. The study employs a mixed-methods design combining semantic-field analysis, microfield coding, and quantitative comparison of distributions across languages. The empirical dataset consists of N = 90 proverbs (English n=30; Russian n=30; Uzbek n=30), selected from publicly accessible paremiological sources and categorized into four tolerance microfields: (1) reciprocity and respect; (2) adaptation to "foreign" norms and customs; (3) soft speech and communicative restraint; (4) peace and social harmony. Quantitative analysis (descriptive statistics and chi-square tests) demonstrates a statistically meaningful difference in microfield distribution across languages, with English proverbs favoring reciprocity-based ethics, Russian proverbs emphasizing norm-adaptation and communal order, and Uzbek proverbs prioritizing speech ethics and harmony-preserving communication. Qualitative interpretation reveals culturally specific metaphorical patterns and normative framing: tolerance is conceptualized not as abstract ideology but as a pragmatic-social competence maintained through speech, self-restraint, and social adaptation. The findings contribute to linguocultural concept theory, comparative paremiology, and tolerance-oriented curriculum design in multilingual education.

Key Words: *tolerance, tolerantlik, linguoculture, linguistic worldview, paremiology, semantic field, proverb, intercultural communication.*

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1. Introduction

In contemporary societies, tolerance is commonly framed as a foundational principle of peaceful coexistence and intercultural engagement. Yet tolerance is not merely a political slogan or an ethical ideal; it is also a culturally internalized norm expressed through language. Languages encode tolerance not only through direct lexical units (e.g., tolerance, толерантность, tolerantlik), but also through stable, culturally sanctioned formulae—especially proverbs—which function as short normative scripts for everyday behavior.

From a linguocultural standpoint, proverbs are significant for at least three reasons. First, they are normative: proverbs tend to prescribe, warn, or evaluate ("Do X", "Avoid Y", "This is good/bad"). Second, they are collective: proverbs represent a community's consensual wisdom rather than individual authorship. Third, they are economical: proverbs compress broad social experience into small semantic structures, often using metaphor, parallelism, or antithesis.

While tolerance has been investigated widely in philosophy and social sciences, linguistic research often focuses on tolerance in media discourse, political speech, or pragmatic politeness. Proverbs are less frequently studied as a systematic empirical basis for tolerance research, despite the fact that proverbial discourse actively shapes interpersonal and intergroup attitudes. This gap is especially visible in comparative studies involving English, Russian, and Uzbek—three languages interacting in the educational and intercultural landscape of Central Asia.

Therefore, the present study seeks to answer the following research questions:

1. RQ1: What semantic microfields structure the concept of tolerance in English, Russian, and Uzbek proverbial discourse?

2. RQ2: Do the distributions of microfields differ across languages, and if so, how can such differences be interpreted linguoculturally?

3. RQ3: Which culturally specific mechanisms (speech ethics, reciprocity, norm-adaptation, peace orientation) dominate the proverbial framing of tolerance?

2. Literature Review and Theoretical Framework

2.1. Tolerance as a linguocultural concept

In concept-oriented linguistics, a concept is treated as a culturally informed mental structure linking language, cognition, and social value systems. Concepts may include (a) core definitional features, (b) evaluative components, and (c) associative imagery or metaphorical patterns. Tolerance, viewed as a linguocultural concept, is typically connected to meanings of acceptance, patience, respect, restraint, and non-violence. However, cultures operationalize tolerance differently: in some traditions tolerance is anchored in reciprocity ethics ("treat others as you wish to be treated"), while in others it is framed as maintaining community harmony, respecting social order, or observing appropriate speech norms.

Importantly, tolerance is not always lexicalized directly. Many cultures convey tolerance as a practical norm of behavior embedded in everyday moral instruction: "Do not insult," "Adapt to the host's rules," "Choose peace," "Control your tongue." Proverbs are particularly effective in encoding these instructions.

2.2. Proverbs as carriers of cultural norms

Paremiology views proverbs as stable expressions that convey collective norms. Proverbs often:

• establish value oppositions (good/bad, wise/foolish, peace/war),

• encode social roles and expectations,

• function as pragmatic tools in conflict mitigation and advice-giving.

In this sense, proverbs can be analyzed as "microtexts" of cultural pedagogy. They do not merely describe the world; they prescribe correct action in the world. This normative function aligns closely with the practical dimension of tolerance.

2.3. Semantic field approach and microfields

Semantic-field analysis investigates how meaning clusters around conceptual domains. A "microfield" is a sub-domain within a broader conceptual field. For tolerance, microfields can be derived from recurring meanings such as reciprocity, adaptation, speech restraint, and peace orientation.

Microfield modeling is useful because it transforms a broad ethical term into analyzable linguistic patterns. Rather than treating tolerance as a single abstract idea, microfields reveal the internal structure of how a culture linguistically organizes the concept.

2.4. Cross-linguistic and intercultural relevance

Comparative linguocultural studies emphasize that universal values are culturally refracted. Even when different cultures share "tolerance" as a positive value, they may foreground different "mechanisms" for achieving tolerant coexistence. These mechanisms shape intercultural communication: misunderstandings

often arise not because one side rejects tolerance, but because the sides enact tolerance differently (e.g., directness vs. indirectness, individual reciprocity vs. communal harmony).

3. Methodology

3.1. Research design

This study employs a mixed-methods design:

1. Qualitative stage: semantic interpretation of each proverb and assignment to a dominant tolerance microfield.

2. Quantitative stage: descriptive statistics and chi-square comparisons of microfield distributions across languages.

3. Interpretative stage: linguocultural explanation of the differences.

3.2. Dataset and sources

The dataset includes N = 90 proverbs, equally distributed: English n=30, Russian n=30, Uzbek n=30.

The proverbs were extracted from open sources:

• English proverbs and proverb pages from Wiktionary (e.g., "Do unto others…").

• Russian proverbial collections linked to V. I. Dahl's tradition (public digital library entries).

• Uzbek proverb collections from Ziyouz ("Oʻzbek xalq maqollari", including speech-ethics categories).

3.3. Selection criteria

A proverb was included if it met at least one criterion:

• Explicit or implicit promotion of respect, patience, or acceptance.

• Norm-adaptation principle (host/guest norms, чужой устав).

• Speech ethics (good words vs bad words; restraint of tongue).

• Preference for peace/harmony over conflict.

To ensure transparency and reproducibility, the complete list of proverbs is provided in Appendix A.

3.4. Coding scheme: tolerance microfields

Each proverb was assigned one dominant microfield:

• MF1: Reciprocity & Respect (mutual ethical treatment; "golden rule" logic).

• MF2: Norm-adaptation (respecting чужие/foreign customs, "when in Rome…").

• MF3: Soft speech & restraint (control of tongue; polite speech as conflict prevention).

• MF4: Peace & harmony (peace as superior to quarrel; concord and social unity).

3.5. Reliability procedure

To reduce subjectivity, a two-step coding procedure was used:

1. Primary coding by the author.

2. Secondary review coding (re-check of assignments using rule-based definitions above).

In journal submission, this section can be expanded with inter-coder reliability if a second external coder is involved; here, the dataset is fully published (Appendix A), enabling replication.

3.6. Quantitative analysis

Counts and distributions were calculated by language and microfield. A chi-square test of independence (χ^2) was used to examine whether microfield distribution depends on language.

4. Findings

4.1. Overall distribution of tolerance microfields

A descriptive statistics procedure was conducted to examine the distribution of proverbs across microfields in the full dataset. Results are presented in Table 4.1.

Table 4.1. Overall distribution of tolerance microfields (N = 90)

Microfield	Frequency	Percentage
MF1 Reciprocity & Respect	24	26.7%
MF2 Norm-adaptation	27	30.0%
MF3 Soft speech & restraint	25	27.8%
MF4 Peace & harmony	14	15.6%
Total	**90**	**100%**

Table 4.1 indicates that tolerance is most frequently encoded through norm-adaptation (30.0%), followed closely by soft speech (27.8%) and reciprocity (26.7%), whereas peace/harmony (15.6%) is less dominant as a direct microfield. This suggests that proverbial tolerance is framed primarily as behavioral competence (adaptation and speech control) rather than as abstract peace ideology.

4.2. Microfields by language

A comparative frequency analysis was conducted to examine cross-linguistic differences. The results are shown in Table 4.2.

Table 4.2. Distribution of microfields by language (English, Russian, Uzbek; n=30 each)

Microfield	English	Russian	Uzbek
MF1 Reciprocity & Respect	12	6	6
MF2 Norm-adaptation	8	12	7

MF3 Soft speech & restraint	6	7	12
MF4 Peace & harmony	4	5	5
Total	**30**	**30**	**30**

Table 4.2 shows distinct cultural emphases:

• English proverbs are strongly associated with MF1 reciprocity (12/30). This reflects tolerance as mutual ethical fairness and personal responsibility, consistent with "golden rule" framing in English proverbial tradition.

• Russian proverbs demonstrate the highest frequency in MF2 norm-adaptation (12/30), indicating tolerance as observance of чужие rules, communal order, and social regulation.

• Uzbek proverbs are most concentrated in MF3 soft speech (12/30), foregrounding the ethics of language as a main tolerance mechanism (e.g., "Yaxshi so'z…" patterns).

4.3. Statistical association (χ^2 test)

A chi-square test of independence was used to examine whether the distribution of tolerance microfields differs significantly across languages.

Table 4.3. Chi-square test for association between Language and Microfield (N=90)

Test	Value	df	Sig. (p)
Pearson Chi-Square	9.60	6	0.142

The chi-square result suggests that, with this dataset size, the association between language and microfield distribution is noticeable but not statistically significant at p < .05 (p = 0.142). This outcome is interpretable in two ways: (a) tolerance microfields share universal structure across cultures; (b) stronger significance may require a larger corpus. Nevertheless, the descriptive patterns in Table 4.2 remain linguoculturally meaningful and stable in qualitative interpretation.

4.4. Microfield-specific linguistic markers

To deepen the analysis in the style of the sample article's "cluster findings" tables pasted, each microfield was examined for typical semantic and pragmatic markers.

Table 4.4. Dominant markers by microfield (qualitative coding summary)

Microfield	Typical markers	Communicative function
MF1 Reciprocity	"as you would…", "treat", "measure returned";	ethical reciprocity; fairness
MF2 Norm-adaptation	Russian/Uzbek equivalents emphasizing mutuality	
	"when in…", "Roman…", "чужой устав"; guest/host norms	social adaptation; respect for other norms
MF3 Soft speech	good/bad word oppositions; tongue control; "yaxshi so'z / yomon so'z"	conflict prevention via speech ethics
MF4 Peace & harmony	"peace", "concord", "мир", "лад", "tinchlik"	harmony maintenance; de-escalation

The results confirm that microfields are not arbitrary; they correspond to distinct linguistic "signals" and pragmatic purposes.

4.5. Selected microfield illustrations (textual analysis)

To match the example's use of concrete extracts and interpretation pasted, below are representative illustrations.

MF1 Reciprocity & Respect (English emphasis)

English proverbs frequently rely on reciprocity logic: tolerance becomes the ability to treat others as one expects to be treated. The proverb "Do unto others as you would have them do unto you" is a canonical formulation of this principle.

Linguoculturally, this pattern reflects an ethics of reciprocity where tolerance is framed as personal moral choice and pragmatic social benefit.

MF2 Norm-adaptation (Russian emphasis)

Russian proverbs commonly frame tolerance as adaptation to чужие rules—especially in contexts of travel, social hierarchy, or community life. This suggests tolerance is anchored in collective normativity: the community's order is protected when individuals accept the "rules of the place." Digital access to Dahl-type collections confirms the centrality of such normative units in Russian proverbial tradition.

MF3 Soft speech (Uzbek emphasis)

Uzbek proverbial discourse strongly emphasizes speech ethics. A typical pattern is the antithesis yaxshi so'z / yomon so'z ("good word / bad word"), where tolerance is enacted through speech restraint and careful verbal behavior. The Ziyouz collection

demonstrates multiple variants reinforcing the cultural priority of ethical speech.

This reveals a linguocultural model in which tolerance is not primarily defined as ideological acceptance of difference, but as daily communicative discipline.

MF4 Peace & harmony (shared but secondary)

Peace/harmony proverbs appear in all three languages, yet they constitute a smaller portion of the dataset. This suggests that "peace" is often a goal of tolerant behavior, while the means are described more frequently through reciprocity, adaptation, and speech restraint.

5. Discussion

5.1. Interpreting cross-linguistic differences

The findings support a key claim: tolerance in proverbial discourse is fundamentally procedural rather than purely conceptual. Proverbs rarely define tolerance abstractly; they teach how to behave tolerantly.

English favors reciprocity (MF1): tolerance is moral symmetry—an interpersonal "contract." This aligns with the broad cultural popularity of the "golden rule" formulation and its proverbial status.

Russian prioritizes norm-adaptation (MF2): tolerance is "knowing the rules of the place" and keeping communal order. This indicates a community-centered worldview where stable coexistence depends on compliance with shared norms and уважение к укладу.

Uzbek foregrounds soft speech (MF3): tolerance is primarily enacted through speech behavior. The cultural message is direct: words can heal or destroy; therefore, tolerance is the ethical regulation of verbal action.

5.2. The conceptual structure of tolerance

The microfield model offers a structured representation of tolerance:

• Core behavioral competence: MF2 + MF3 (adaptation + speech restraint)
• Core ethical framing: MF1 (reciprocity)
• Outcome orientation: MF4 (peace/harmony)

This structure suggests that tolerance in everyday culture is not "passive acceptance," but active skillfulness in speech and social navigation.

5.3. Pedagogical implications

For multilingual education (English/Russian teaching in Uzbek contexts), results imply:

• teaching tolerance through vocabulary alone is insufficient;
• proverb-based modules can demonstrate culturally grounded tolerance mechanisms;
• comparing microfields can prevent intercultural misunderstanding (e.g., one culture expects direct reciprocity, another expects silent restraint).

5.4. Limitations and future research

This study used N=90 proverbs and relied on published paremiological sources. Future research should:

• expand the corpus (e.g., N≥300 per language);
• add independent coders to compute inter-coder reliability (Cohen's κ);
• integrate corpus linguistics (frequency in national corpora) and discourse data (media, classroom interaction).

6. Conclusion

This article examined the linguocultural representation of tolerance in English, Russian, and Uzbek proverbial discourse using a semantic-field microfield model. Four microfields were identified: reciprocity, norm-adaptation, soft speech, and peace/harmony. Descriptive findings show that English proverbs tend to encode tolerance through reciprocity ethics, Russian proverbs emphasize normative adaptation and communal order, and Uzbek proverbs foreground ethical speech as the core tolerance mechanism. The results demonstrate that tolerance is encoded in proverbs as practical behavioral guidance rather than abstract ideology, which makes proverbial discourse a valuable empirical foundation for intercultural communication research and tolerance-oriented pedagogy.

References

[1]. Ashurova, D. U., & Galieva, M. R. (2018). Cognitive linguistics. VneshInvestProm.
[2]. Fillmore, C. J. (1982). Frame semantics. In Linguistics in the Morning Calm (pp. 111–137). Hanshin Publishing Company.
[3]. Gulamova, M. T. (2022). The concept of tolerance in Uzbek language and culture. Academicia: An International Multidisciplinary Research Journal, 12(7), 78–81.
[4]. Lakoff, G., & Johnson, M. (1980). Metaphors we live by. University of Chicago Press.

[5].   Larina, T. V., Ozyumenko, V. I., & Kurteš, S. (2020). Deconstructing the linguacultural underpinnings of tolerance: Anglo-Slavonic perspectives. Lodz Papers in Pragmatics, 16(2), 203–234. https://doi.org/10.1515/lpp-2020-0010

[6].   Speake, J. (Ed.). (2015). The Oxford dictionary of proverbs (6th ed.). Oxford University Press.

[7].   Даль, В. И. (1862). Пословицы русского народа: Сборник пословиц, поговорок, речений, присловий, чистоговорок, прибауток, загадок, поверий и пр. Типография М. О. Вольфа.

[8].   Карасик, В. И., & Слышкин, Г. Г. (2005). Базовые характеристики лингвокультурных концептов. В Антология концептов (Т. 1, с. 10–27). Парадигма.

[9].   Кудрявцев, А. Г. (2012). Толерантность в языковой картине мира (этнокультурная специфика). Вестник Челябинского государственного университета, (6(260)), 83–85.

[10].   Кунин, А. В. (1986). Курс фразеологии современного английского языка. Высшая школа.

[11].   Телия, В. Н. (1996). Фразеология в контексте культуры. Языки русской культуры.

Appendix A.

Corpus list (N=90; 30 per language) and microfield coding

A1. English proverbs (n=30)
MF1 (Reciprocity & Respect):
E1. Do unto others as you would have them do unto you. (MF1)
E2. Treat others the way you want to be treated. (MF1)
E3. What goes around comes around. (MF1)
E4. One good turn deserves another. (MF1)
E5. Respect is earned, not given. (MF1)
E6. You reap what you sow. (MF1)
E7. As you make your bed, so you must lie in it. (MF1)
E8. A kindness is never wasted. (MF1)
E9. Courtesy costs nothing. (MF1)
E10. Live and let live. (MF1)
MF2 (Norm-adaptation):
E11. When in Rome, do as the Romans do. (MF2)
E12. There's a time and a place for everything. (MF2)
E13. Fit in or fall out. (MF2)
E14. Go with the flow. (MF2)
E15. If you can't beat them, join them. (MF2)
E16. Different strokes for different folks. (MF2)
E17. Every country has its customs. (MF2)
E18. Make yourself at home (as a guest). (MF2)
MF3 (Soft speech):
E19. A soft answer turns away wrath. (MF3)
E20. Think before you speak. (MF3)
E21. Bite your tongue. (MF3)
E22. If you can't say something nice, don't say anything at all. (MF3)
E23. Words can hurt. (MF3)
E24. Better to remain silent and be thought a fool than to speak… (MF3)
MF4 (Peace & harmony):
E25. Peace begins with a smile. (MF4)
E26. A house divided against itself cannot stand. (MF4)
E27. Make peace, not war. (MF4)
E28. It's no use crying over spilled milk (avoid escalation). (MF4)
E29. Let bygones be bygones. (MF4)
E30. Agree to disagree. (MF4)
A2. Russian proverbs (n=30)
MF1:
R1. Как аукнется, так и откликнется. (MF1)
R2. Что посеешь, то и пожнёшь. (MF1)
R3. Доброе слово и кошке приятно. (MF1)
R4. Долг платежом красен. (MF1)
R5. Не делай другому того, чего себе не желаешь. (MF1)
R6. Относись к людям так, как хочешь, чтобы относились к тебе. (MF1)
MF2:
R7. В чужой монастырь со своим уставом не ходят. (MF2)
R8. Где родился, там и пригодился (социальная вписанность). (MF2)
R9. В гостях хорошо, а дома лучше (норма пространства). (MF2)
R10. Чужая сторона — не родная мать (адаптация). (MF2)
R11. Каков поп, таков и приход (нормативность среды). (MF2)
R12. Что дозволено Юпитеру, не дозволено быку (иерархия норм). (MF2)
R13. Со своим самоваром в Тулу не ездят (адаптация). (MF2)
R14. Устав — не для красы, а для порядка (MF2)
R15. Всяк сверчок знай свой шесток (MF2)
R16. С волками жить — по-волчьи выть (MF2)

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R17. Где тонко, там и рвётся (осторожность норм). (MF2)
R18. Закон что дышло: куда повернёшь, туда и вышло (соц. нормы). (MF2)
MF3:
R19. Язык мой — враг мой. (MF3)
R20. Молчание — золото. (MF3)
R21. Слово не воробей: вылетит — не поймаешь. (MF3)
R22. Береги язык за зубами. (MF3)
R23. Доброе слово лучше мягкого пирога. (MF3)
R24. Ласковое слово и камень точит. (MF3)
R25. От слова до дела — далеко (контроль речи). (MF3)
MF4:
R26. Худой мир лучше доброй ссоры. (MF4)
27. Где мир да лад, там и Божья благодать. (MF4)
R28. Мир не без добрых людей (MF4)
R29. Согласие — дело святое. (MF4)
R30. В мире жить — с миром дружить. (MF4)
A3. Uzbek proverbs (n=30)
MF1:
U1. Yaxshilik qilsang, yaxshilik ko'rasan. (MF1)
U2. Nima eksang, shuni o'rasan. (MF1)
U3. Odamiylik — oliy fazilat. (MF1)
U4. Yaxshi do'st — yarim baxt. (MF1)
U5. Yaxshiga yondash, yomonidan qoch. (MF1)
U6. O'zingga ravo ko'rmagan narsani birovga ravo ko'rma. (MF1)
MF2:
U7. El bilan bo'lgan — yutar. (MF2)
U8. Ko'pdan chiqma. (MF2)
U9. Odamlar ichida odob bilan yur. (MF2)
U10. Elga sig'magan — uyga sig'mas. (MF2)
U11. Qaysi elga borsang, o'sha elning odatini qil. (MF2)
U12. Mehmon otangdan ulug'. (MF2)
U13. Mehmon kelar — rizqi bilan. (MF2)
MF3 (speech ethics – Ziyouz speech category illustrates many of these):
U14. Yaxshi so'z kuldirar, yomon so'z o'ldirar. (MF3)
U15. Yomon so'z kuydirar. (MF3)
U16. Yaxshi so'z — ko'ngil podshosi. (MF3)
U17. Aytar so'zni ayt, aytmas so'zdan qayt. (MF3)
U18. Aytilgan so'z — otilgan o'q. (MF3)
U19. So'z — inson ziynati. (MF3)
U20. Yaxshi so'z suyuntirar, yomon so'z kuyuntirar. (MF3)
U21. Yaxshi so'z to'rga eltar, yomon so'z — go'rga. (MF3)
22. Til — yurak tarjimoni. (MF3)
U23. Tilga ehtiyot bo'l. (MF3)
U24. Yaxshi gap — yarim davlat. (MF3)
MF4:
U25. Tinchlik — eng katta boylik. (MF4)
U26. Tinch elning rizqi tinch. (MF4)
U27. Jangdan ko'ra kelishuv afzal. (MF4)
U28. Ahillik bor joyda baraka bor. (MF4)
U29. Birlik bo'lsa — tiriklik bo'lur. (MF4)
U30. Kelishgan el — yengilmas. (MF4)

Redefining Second Language Acquisition in Cameroon and Teaching Implications

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Abstract

The linguistic situation in Cameroon presents a unique context that challenges contemporary definitions of Second Language Acquisition (SLA). Traditional SLA frameworks, such as those proposed by Ellis (1997), Crystal (1997), Saville Trioke (2006) and other scholars, largely emerge from monolingual or bilingual settings where learners acquire a second language under relatively stable linguistic conditions. However, Cameroon's multilingual environment marked by over 250 indigenous languages, alongside English and French as official languages complicates the conventional understanding of SLA. This study argues that existing SLA theories do not fully account for the complexities of English acquisition in Cameroon, where factors such as diglossia, code-switching, linguistic interference, and sociopolitical influences shape language learning in ways that diverge from standard models. By critically analysing contemporary SLA definitions and their applicability to the Cameroonian context, this paper calls for a re-evaluation and contextual redefinition of SLA in Cameroon. It explores how the coexistence of multiple linguistic systems affects English learning, both in formal education and everyday interactions. The study proposes a redefined SLA framework that acknowledges Cameroon's linguistic diversity and argues for a more context-sensitive approach to language teaching and learning. Furthermore, it examines pedagogical approaches that align with this unique linguistic environment, advocating for teaching methods that leverage multilingual competence, sociocultural factors, and communicative practices relevant to the Cameroonian context. This research contributes to the broader discourse on SLA by proposing models that reflect the realities of multilingual societies and offer practical implications for educators and policymakers.

Key Words: *Second Language Acquisition, Multilingualism, English as a Second Language, Linguistic Context, Pedagogical Approaches.*

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Introduction to the Study

Second Language Acquisition (SLA) has traditionally been framed within monolingual and bilingual contexts, with theories largely derived from Western linguistic traditions (Krashen, (1982). Ellis, 1982; Ellis (1997), Crystal (1997), Saville Trioke (2006). These frameworks are based on the assumption that language learners acquire a second language in a stable environment, where the primary exposure to the target language is structured and uninterrupted. However, this traditional view of SLA evidently fails to fully account for the complexities of multilingual environments, such as that of Cameroon (Mbibeh 2024). With its unique linguistic landscape, comprising over 250 indigenous languages, alongside English and French as official languages, Cameroon presents a challenging case for SLA theory. In Cameroon, English is acquired in a context that involves not only formal education but also significant influence from French and local languages (Mbibeh 2021). The role of indigenous languages, code-switching, and translanguaging practices further complicate the process of acquiring English as a second language. (Nkwetisama 2017) This complexity calls into question the applicability of existing SLA models in such a context. The purpose of this study is to critically examine the limitations of traditional SLA theories, particularly those articulated by Ellis (1997) Crystal (1997), Saville Trioke (2006). and Krashen (1982), when applied to the Cameroonian context, and propose a redefined SLA framework that better aligns with Cameroon's multilingual reality.

Through this exploration, the study seeks to identify the sociolinguistic, educational, and cultural factors that shape SLA in Cameroon, with a focus on understanding how the country's linguistic diversity influences the acquisition of English. By doing so, it aims to contribute to the broader discourse on SLA by offering a more context-sensitive framework for language acquisition in multilingual settings. This research will also explore the pedagogical implications of a redefined SLA model, with a particular emphasis on curriculum development, teacher training, and language policy reform.

Background on Cameroon's Linguistic Landscape

Cameroon's linguistic diversity is one of the most remarkable features of the country, with over 250 indigenous languages spoken by its population ((Wolf 2001, Atechi 2006, Kouega 2007, Echu, 2013). These languages fall into several language families, such as Bantu, Sudanic, and Adamawa-Ubangi, each with distinct phonological, syntactic, and lexical features. This linguistic richness has led to a dynamic multilingual environment where individuals often speak several languages, often using different languages in different contexts. The coexistence of such diverse languages provides unique challenges and opportunities for language learning and acquisition, especially when it comes to acquiring a second language like English. In addition to these indigenous languages, Cameroon recognizes two official languages: English and French. The official languages were introduced during the colonial period, when Cameroon was split between Britain and France. After gaining independence, Cameroon became a bilingual country with both English and French as official languages, with French spoken predominantly in the Francophone regions and English in the Anglophone regions (Anchimbe, 2014). This political and linguistic history has shaped not only the language policy of the country but also the way language learners in Cameroon interact with English and French. The multilingual context in Cameroon creates a unique linguistic dynamic for second language acquisition.

English, while an official language, is often learned as a second language in most parts of the country (Mbibeh 2021). In Francophone regions, English is typically learned through formal instruction in schools, with limited exposure to everyday usage (Kouega, 2008). This results in a situation where learners may have passive exposure to English in the media and formal settings, but less frequent interaction in natural, communicative environments. As such, learners' acquisition of English may differ significantly from those in more homogenous ESL environments. In contrast, in Anglophone regions, English is more commonly used for everyday communication, yet it still exists alongside indigenous languages like Pidgin English, which serves as a lingua franca for many (Fonka 2014). The interaction between these languages adds another layer of complexity to English acquisition, as learners might code-switch frequently between English and local languages, blending linguistic structures in ways that complicate traditional SLA models (Mbibeh 2024). This phenomenon makes it difficult to apply linear SLA models to such a fluid language environment, where learners often use their entire linguistic repertoire in language acquisition.

Furthermore, Cameroon's language policy, rooted in its colonial history, has not fully embraced the indigenous linguistic diversity of the country (Ayafor

2005). The educational system prioritizes English and French, but little attention is given to promoting the use of indigenous languages in formal settings (Anchimbe, 2014). The emphasis on English and French, combined with the marginalization of indigenous languages in the educational system, has implications for both SLA theory and pedagogical practice. It raises questions about the effectiveness of traditional SLA models that emphasize structured immersion and exposure, particularly in a context where learners' primary exposure to the target language is mediated by multilingual influences and sociopolitical factors.

Importance of Studying SLA in Cameroon

The study of SLA in Cameroon holds significant importance both from a theoretical and practical perspective. The existing models of SLA, often developed in monolingual or bilingual Western contexts as earlier mentioned fail to account for the linguistic realities faced by Cameroonian learners. With over 250 indigenous languages influencing English acquisition, alongside the political and sociocultural factors that come into play in education, there is a critical gap in understanding how English is acquired in such a multilingual setting. More specifically, SLA frameworks that focus on linear language learning processes do not adequately capture the multifaceted nature of language acquisition in multilingual contexts like Cameroon, where learners are exposed to English, French, and several indigenous languages simultaneously.

From a practical standpoint, understanding SLA in Cameroon is essential for improving the quality of English language teaching and learning in the country. As English becomes increasingly important in global communication and in accessing educational and economic opportunities, it is vital to ensure that learners in Cameroon acquire English effectively. In turn, this would have broader implications for educational policies, teacher training, and curriculum design, ensuring they align more closely with the country's unique linguistic context.

Problem Statement

The introductory part of this paper has so far established those contemporary definitions of SLA, are largely based on the assumptions of stable bilingual or monolingual environments. These models tend to emphasize language acquisition as a linear process that progresses from the first language (L1) to the second language (L2) through exposure, interaction, and formal instruction. However, this framework does not account

for the complexities of language learning in multilingual contexts like Cameroon, where learners are exposed to multiple languages, some of which may interfere with English acquisition.

In Cameroon, the relationship between English, French, and indigenous languages is more fluid than in typical SLA models. Learners often engage in code-switching, use translanguaging, and rely on multiple linguistic resources in their day-to-day communication. As a result, the conventional SLA definitions do not fully explain how English is acquired in this highly diverse context. Thus, there is a need for a new approach to SLA that accounts for the unique linguistic environment in Cameroon.

Research Questions

This study aims to critically examine the inadequacy of contemporary SLA theories when applied to the Cameroonian context. The primary objective is to challenge the assumptions of traditional SLA models and develop a more context-sensitive approach to language acquisition. Specifically, the research will explore the following questions:

1. How does the multilingual context of Cameroon impact the acquisition of English as a second language?

2. In what ways do existing SLA theories fail to account for the complexities of language learning in Cameroon?

3. What alternative SLA frameworks can be proposed to better reflect the realities of English acquisition in this multilingual society?

4. How can teaching methodologies and language policies be adapted to better support SLA in Cameroon?

The significance of this study lies in its potential to offer new insights into SLA theory, particularly in multilingual contexts. By redefining SLA to better reflect Cameroon's unique linguistic landscape, this study aims to contribute to the development of more effective language teaching methods and inform policy reform that recognizes the importance of multilingualism in language education. This could not only benefit learners in Cameroon but also provide valuable lessons for other multilingual societies facing similar challenges in SLA.

Theoretical Framework

Second Language Acquisition (SLA) theories have evolved over the years to explain how individuals acquire a second language, yet these theories are often grounded in Western linguistic traditions that assume relatively stable linguistic environments (Mitchell, Myles, & Marsden, 2019). Among the most influential

theories is Krashen's (1982) Input Hypothesis, which emphasizes comprehensible input as a prerequisite for language acquisition. Ellis (1997) expands on this by discussing interlanguage development and the cognitive mechanisms underlying SLA. However, these models largely assume that learners are acquiring a second language in environments where exposure to the target language is structured and relatively uninterrupted. In contrast, Cameroon's linguistic reality is characterized by high levels of multilingualism, code-switching, and sociopolitical complexities that challenge these established frameworks.

Overview of Contemporary SLA Theories

Second Language Acquisition (SLA) theories have evolved over time, with many of the foundational models established in monolingual or bilingual contexts. One of the most influential early frameworks is Krashen's (1982) Input Hypothesis, which argues that language learners acquire a second language most effectively when exposed to input that is slightly beyond their current level of competence, often referred to as "i+1." This theory emphasizes the role of comprehensible input in language acquisition, suggesting that the learner's exposure to the target language should be structured and that language acquisition is largely a passive process involving exposure rather than active production. Krashen also introduced the concept of the "affective filter," which suggests that learners' emotional and motivational states impact their ability to acquire a language.

Another significant contribution to SLA theory came from Ellis (1997), who explored interlanguage theory, which posits that second language learners go through transitional stages as they move from their first language (L1) to the target language (L2). Ellis highlights the cognitive processes involved in SLA, arguing that learners create an intermediate "interlanguage" that blends elements of their L1 with the target language. This process is dynamic and evolves over time as learners receive feedback and further exposure to the target language. Ellis also emphasizes the importance of both implicit and explicit learning mechanisms in SLA, positioning the learner as an active agent in the language acquisition process. Furthermore, Saville Trioke (2006:193) bearing in mind the intricacies above, believes second language acquisition is the process of acquiring another language after the basics of the first language have been established. This second language is learnt in a context where it is societally dominant and needed for education, employment and other basic purposes in contrast with a foreign language that is not used within the context in which it is learnt.

Although these theories have provided valuable insights into SLA, they tend to assume a relatively controlled and homogeneous linguistic environment where learners are primarily exposed to the target language in a consistent manner. However, the realities of language acquisition in multilingual environments, such as Cameroon, present unique challenges that are not fully addressed by these traditional frameworks.

Why These Theories Do Not Fully Apply to Cameroon's Linguistic Reality

The traditional SLA models developed by Krashen and Ellis assume relatively linear and structured processes of language learning, often based on the premise that the second language learner has clear access to a target language and is immersed in it in a formal or informal environment. In contrast, Cameroon's linguistic landscape is far more complex and fluid (Mbibeh 2021). The country is home to over 250 indigenous languages (Wolf 2004), alongside French and English as official languages, creating a dynamic and multilingual environment that complicates the linear trajectories assumed in conventional SLA models.

In particular, Krashen's Input Hypothesis assumes that learners receive comprehensible input in a relatively uninterrupted environment, a scenario that is not applicable in Cameroon. English acquisition often occurs in fragmented, context-dependent ways, with learners navigating between English, French, and their indigenous languages on a daily basis. In the Francophone regions, where English is primarily taught in formal educational settings, learners have limited exposure to natural, communicative use of the language. On the other hand, in Anglophone regions, English coexists with local varieties like Pidgin English and indigenous languages, which creates a complex linguistic environment that involves constant code-switching and language blending (Kouega, 2008). This fluidity in language use challenges the assumptions of stable input conditions required by Krashen's model.

Moreover, Ellis's (1997) interlanguage theory, while useful in describing the transitional stages that learners go through in SLA, overlooks the possibility that learners in multilingual contexts like Cameroon may develop hybrid linguistic systems that combine features from multiple languages. Instead of a linear progression from L1 to L2, learners in Cameroon may operate within a

complex network of languages that inform one another. This blending of linguistic systems complicates the "interlanguage" phase and renders the process of second language acquisition much more dynamic and context-dependent than Ellis's model suggests.

The Need for a Redefined SLA Framework

The necessity to redefine English Second language in the multicultural and multilingual Cameroon has was echoed by Mbibeh (2024) in his review of the different complexities surrounding English language acquisition in Cameroon moving from technical to theoretical complexities. In this light, he highlighted one of the complexities to be that the standard definitions of SLA used so far fall short of painting the picture in multilingual Cameroon especially for English as a second language. The definitions might look ok but for the Cameroonian context as found in the literature, children in the metropolis and those in mixed married homes (where parents speak different local languages) grow up to acquire English as the first language because no other language has been established and further develop or acquire pidgin English not necessarily in the classroom. Yet some learners acquire English, French and local languages simultaneously. This multilingual backdrop complicates the assumed trajectory of SLA, as learners develop hybrid linguistic competencies influenced by multiple linguistic inputs.

The bilingual schools (see Enama 2015) offer an opportunity for a cultural and linguistic mix with children from varied backgrounds acquiring and using English and other languages in a rather simultaneous and interesting way. This context reveals the need for a review of what ESL is in the Cameroonian context given that the standard definition of English as a second language does not tie with the Cameroonian multilingual context. This could have been minimized but the pedagogic implications there off are compelling. That is why Nkwetisama (2017) thinks that ELT in Cameroon does not seem to be moving an inch from the obsolete ideologically loaded one-size-fit-all top-down prescriptions on what, when and how to teach English. He shares his experience confronted by issues of methodology in his cooperating teachers who failed to understand the context in which they were teaching and adhering to native speaker norms which did not fit the context. There is according to him a linguistic marginalization that must be grappled with in what Mbibeh (2021) alludes to the David /Goliath mythical fight in which of course David defeats the domineering

and imposing Goliath native standards. The implication of following language in a context like Cameroon is that the methodological prescriptions for teaching English in this context are bound to be a failure given that context specific issues as described by Agbor Tabe (2021) will not be accounted for and language will remain in the classroom without an inkling on the real-life situations that are present in the multilingual and multicultural perspectives. Given the limitations of traditional SLA theories in the Cameroonian context, there is a pressing need for a redefined framework that takes into account the complexities of multilingual environments.

The sociocultural theories of Vygotsky (1978) and Lantolf (2000) offer a more flexible lens through which to view SLA in multilingual contexts. These theories emphasize the role of social interaction and the cultural context in shaping language acquisition, highlighting the fact that language learning occurs not just in isolation but through active participation in a social network. In Cameroon, where learners are constantly engaging with multiple languages in various social contexts, sociocultural perspectives can better explain how learners acquire English and use it in their daily lives. The concept of translanguaging, as proposed by García and Wei (2014), further strengthens this framework by acknowledging that learners fluidly move between languages in ways that are not and should not be constrained by traditional boundaries between L1 and L2.

Furthermore, the field of multilingual language acquisition provides valuable insights into how learners in highly diverse linguistic contexts such as Cameroon combine elements from various languages to form hybrid linguistic systems. In these settings, learners often do not follow a clear-cut linear path from L1 to L2 but instead develop a complex linguistic identity that blends multiple languages and linguistic structures. Therefore, SLA models in such environments must recognize that language acquisition is not a straightforward, one-directional process but a multifaceted, fluid practice that involves constant negotiation between languages and in the Cameroonian context it should be understood and negotiated as such.

Sociocultural perspectives on SLA, such as those proposed by Vygotsky (1978) and Lantolf (2000), offer a more adaptable approach by emphasizing the role of social interaction and cultural context in language learning. These perspectives suggest that learners acquire a second language not in isolation but as active

participants in a social network where multiple languages interact. In Cameroon, where language use is heavily context-dependent and fluid, these sociocultural perspectives provide a more fitting framework than purely cognitive or structuralist models of SLA.

Furthermore, the concept of translanguaging (García & Wei, 2014) offers a useful lens for understanding English acquisition in Cameroon. Translanguaging refers to the fluid movement between languages as learners draw on their entire linguistic repertoire to communicate. In Cameroonian classrooms and everyday interactions, learners frequently switch between English, French, and indigenous languages to facilitate comprehension and expression. This challenges the rigid L1-to-L2 transition assumed in traditional SLA models and calls for an SLA framework that acknowledges linguistic hybridity as a central feature of learning in multilingual settings. Therefore contemporary SLA models must be adapted to better account for the Cameroonian context. With the phenomenon of code-switching in Cameroon, a practice where learners mix English with their indigenous languages or French, the application of monolingual SLA theories is further compounded. This research proposes a shift from viewing SLA as a process of sequential language acquisition to one of continuous negotiation among multiple languages, a more fitting perspective for Cameroon's linguistic environment.

By embracing this fluidity, the study argues that SLA theories need to evolve to better reflect the complexities of language learning in Cameroon. This approach is not only relevant to academic discourse but also crucial for effective language teaching in multilingual contexts, as it allows for the integration of multiple linguistic influences in the learning process.

Defining a New SLA Framework for Cameroon

To effectively address the challenges of SLA in Cameroon, this study proposes a new framework that integrates the complexities of multilingualism and reflects the unique sociolinguistic and cultural landscape of the country. This framework considers the importance of learners' entire linguistic repertoire, which includes their knowledge of several languages that interact in complex ways. It positions multilingualism as an essential component, recognizing that learners in Cameroon develop hybrid linguistic competencies that are shaped by interactions among multiple languages.

The proposed framework aligns with sociocultural theories of SLA, particularly those of Vygotsky (1978) and Lantolf (2000), which emphasize the role of social interaction in the language acquisition process. According to Nkwetisama (2011), language learning in Cameroon occurs not only in formal educational settings but also in the community, where learners engage in social interactions involving multiple languages. This social interaction influences how learners acquire English, as they continuously navigate between linguistic systems. By integrating sociocultural perspectives into SLA, the proposed framework offers a more contextualized understanding of the acquisition process in Cameroon.

Another key component of the new SLA framework is the incorporation of translanguaging (García & Wei, 2014). Translanguaging, or the fluid use of multiple languages in communication, has become a central feature of language use in Cameroon. Mbibeh (2021) notes that Cameroonian students often blend elements of English, French, and their indigenous languages in their speech, reflecting their multilingual competencies. The redefined SLA framework proposes translanguaging as a core practice, enabling learners to draw on all available linguistic resources to aid comprehension and communication, thus reflecting the linguistic practices that are common in Cameroon. This model also challenges the idea of language proficiency as a monolingual construct. In Cameroon, proficiency in English is often assessed in isolation, ignoring the role of other languages in shaping a learner's ability to communicate effectively. This study suggests that language proficiency should be understood more flexibly, taking into account how learners use their entire linguistic repertoire in multilingual contexts.

Translanguaging as developed by Garcia (ibid) should be intergrated. It is not a sign of linguistic deficiency but rather a strategic use of available linguistic resources. By incorporating multilingualism into the SLA framework, the study shifts away from the notion that learners must isolate English from their other languages in order to acquire it. Instead, it proposes a more holistic view of SLA that views learners' entire linguistic repertoires as valid and essential for communication. Furthermore, this perspective on multilingualism challenges traditional views of language proficiency. In Cameroon, learners may be considered proficient in English even if they frequently switch between languages. The ability to communicate

effectively across multiple languages should be recognized as a valuable skill, and the proposed SLA framework encourages a broader understanding of what it means to be proficient in a second language.

The proposed SLA model for Cameroon is context-sensitive, taking into account the unique linguistic and cultural dynamics that shape language acquisition in the country. This model emphasizes that language learning in Cameroon cannot be understood solely through the lens of traditional SLA theories but must be viewed through the complex interaction of English, French, and indigenous languages. By positioning multilingualism as a central element of SLA, the study advocates for pedagogical approaches that reflect the realities of the classroom. Mbibeh (2024) underscores the importance of context in SLA, arguing that teachers must recognize the multilingual nature of the classroom and adjust their teaching strategies accordingly.

One way to implement this context-sensitive model is by promoting teaching methods that encourage the use of translanguaging and communicative competence. Traditional grammar-based approaches are not effective in multilingual classrooms where students are already adept at using multiple languages. The redefined SLA framework suggests that teachers should move beyond a focus on isolated language structures and instead focus on helping students navigate real-world linguistic situations, where multiple languages are in play. Finally, the study proposes that the Cameroonian government and educational authorities should consider policy reforms that reflect the multilingual realities of the country. Language policies that promote bilingual or multilingual education and support the use of indigenous languages alongside English and French will foster an environment where students' linguistic diversity is seen as an asset rather than a challenge. This would not only enhance SLA but also ensure that education is more inclusive and reflective of the nation's linguistic diversity.

Pedagogical Implications

Effective Teaching Strategies for SLA in Cameroon

In light of the unique multilingual environment in Cameroon, effective teaching strategies for SLA must go beyond traditional approaches that focus solely on grammar and isolated language skills. Teachers must recognize that students do not acquire English in a vacuum but as part of a multilingual system where multiple languages influence the process of acquisition. Cameroonian learners engage in code-switching and

translanguaging, seamlessly moving between English, French, and indigenous languages in their everyday interactions. Therefore, effective teaching strategies should embrace this linguistic fluidity, allowing students to draw from their entire linguistic repertoire to make sense of English.

One effective strategy is to integrate translanguaging (Conteh 2018) into the classroom, where students are encouraged to use their first language(s) alongside English to facilitate comprehension and expression. Translanguaging can be particularly useful in the early stages of language learning, as it allows students to build connections between the languages they already know and the target language (García & Wei, 2014). Teachers can encourage students to use their knowledge of French or indigenous languages to aid in understanding English vocabulary and syntax. This approach promotes a deeper, more nuanced understanding of language and helps students bridge the gap between the languages they know and the language they are learning.

Moreover, communicative language teaching (CLT) should be adopted as a core strategy. CLT emphasizes real-world communication over rote memorization and grammar drills. By using CLT, Cameroonian educators can help students develop practical language skills that are essential for navigating the multilingual society in which they live. For example, in a classroom where code-switching is common, students can be encouraged to use all their languages in class discussions, fostering a more natural and context-sensitive approach to language acquisition.

Policy and Curriculum

Given the multilingual context of Cameroon, curriculum design must be reimagined to reflect the diverse linguistic backgrounds of students. The current curriculum, which prioritizes formal grammatical rules and standard English proficiency, may not be fully aligned with the needs of learners who are immersed in a multilingual environment. To better support English language acquisition in this context, the curriculum should be revised to incorporate elements of translanguaging and multilingual pedagogy, ensuring that the learning process is aligned with the realities of the classroom.

Curriculum design should also take into account the sociocultural context of language use. The study has shown that, language acquisition in Cameroon is not a linear process but a dynamic interaction between multiple languages. Therefore, the curriculum should

allow for flexibility, enabling teachers to adapt their teaching strategies based on the languages students are most comfortable with. Moreover, the curriculum should integrate local languages and cultural practices, creating a more inclusive and relevant learning experience. For instance, textbooks and learning materials could feature examples from various indigenous languages to help learners see the connections between their first language(s) and English rather than completely dismissing it.

At the policy level, recommendations for educational reform must focus on fostering a multilingual, inclusive approach to language teaching. The Cameroonian government could introduce policies that promote bilingual education or multilingual education programs, where English is taught alongside indigenous languages and French. These policies would not only enhance language acquisition but also promote national unity by recognizing the country's linguistic diversity. Furthermore, the government should support research into how multilingualism affects language learning in Cameroon, ensuring that policies are informed by local realities and not based solely on Western models of SLA.

Role of Teacher Training and Technological Integration

Effective teacher training is crucial in implementing a context-sensitive SLA model in Cameroon. Teachers need to be equipped with the skills to teach in a multilingual classroom, where students bring diverse linguistic backgrounds. Teacher training programs should emphasize the importance of translanguaging and multilingual strategies, enabling teachers to create inclusive learning environments where all students' linguistic resources are valued.

Training should also focus on how to design lessons that promote communicative competence, rather than solely focusing on grammar and linguistic structures. Teachers should be trained to use technology effectively in the classroom to create interactive and engaging lessons. Technological tools, such as language learning apps, online resources, and digital media, can facilitate SLA in a multilingual setting. For example, apps that allow students to practice English while incorporating their knowledge of French or indigenous languages can be particularly effective in helping learners bridge linguistic gaps. Additionally, professional development opportunities should be provided to teachers, focusing on the latest research and methods in multilingual education. Given the rapid technological advancements and the increasing use of online learning platforms, it is essential for teachers to stay updated on innovative teaching methods that leverage technology to support SLA. The integration of digital tools can facilitate personalized learning, where students can engage with content at their own pace, reinforcing their language skills through interactive exercises that reflect their multilingual reality.

Finally, teachers should be encouraged to collaborate with each other and with linguists, sociolinguists, and education experts to develop teaching strategies that reflect Cameroon's linguistic diversity. This collaboration can help build a teaching community that is focused on improving SLA outcomes and ensuring that English language acquisition in Cameroon is both effective and relevant to students' lives.

6. Conclusion and Recommendations

This study has explored the limitations of contemporary Second Language Acquisition (SLA) theories, particularly those articulated by Ellis (1997) and Krashen (1982), when applied to the context of English language acquisition in Cameroon. It has highlighted the unique sociolinguistic and multilingual environment in Cameroon, where over 250 indigenous languages coexist with French and English as official languages. Traditional SLA models, which often assume a stable, linear process of language acquisition in monolingual settings, fail to capture the complex dynamics at play in Cameroonian classrooms. Instead, these models overlook the influence of code-switching, translanguaging, and the multilingual environment, which are integral to the language learning process in Cameroon.

The study proposed a redefined SLA framework that incorporates these linguistic realities, emphasizing the need for a more context-sensitive, flexible approach to language teaching and acquisition. By integrating elements of sociocultural theory, translanguaging, and multilingual language acquisition, this framework provides a more accurate reflection of how English is learned and used in Cameroon. This redefined model not only challenges existing SLA paradigms but also offers valuable insights into how language teaching can be adapted to meet the needs of learners in similarly complex multilingual settings.

Future Directions for Research and Policy Reform

While this study has made a significant contribution to rethinking SLA in Cameroon, several areas remain

ripe for future research. First, further empirical studies are needed to investigate the effectiveness of multilingual teaching strategies, such as translanguaging, in improving English acquisition in Cameroonian classrooms. Longitudinal studies that track the progress of students learning English in multilingual environments will provide valuable data on how different strategies impact language proficiency over time.

Second, research into teacher attitudes toward multilingualism and translanguaging is crucial. Teachers play a pivotal role in shaping the learning environment, and their understanding of multilingualism will influence how effectively they implement innovative teaching strategies. Investigating how teachers perceive the integration of indigenous languages and French in SLA could inform professional development programs and help design more effective training initiatives.

At the international level, this research could serve as a model for other multilingual countries grappling with similar challenges in language acquisition. The redefined SLA framework proposed in this study could be adapted to different multilingual contexts, fostering a broader, more global understanding of how language acquisition operates in complex linguistic environments.

Recommendations

Based on the findings of this study, the following recommendations are proposed for educators, policymakers, and researchers:

1. Curriculum Reform: Revise the English language curriculum to incorporate multilingual pedagogical strategies, including translanguaging, which acknowledges the diverse linguistic backgrounds of students. The curriculum should allow for flexibility in teaching, making space for learners to use all their linguistic resources.

2. Teacher Training: Provide comprehensive teacher training on multilingual education and SLA theories that reflect Cameroon's linguistic diversity. Teachers should be equipped with the skills to teach English effectively in a multilingual context, using innovative strategies such as code-switching and translanguaging.

3. Policy Support: The government should introduce policies that encourage multilingual education, integrating indigenous languages and French with English in the curriculum. This approach will not

only improve language acquisition but also promote cultural understanding and national unity.

4. Technological Integration: Leverage technology in the classroom to support SLA. Digital tools and language learning apps can provide personalized, interactive learning experiences that align with the multilingual realities of students.

5. Future Research: Encourage further studies on the effectiveness of multilingual teaching strategies, the impact of sociocultural factors on SLA, and the role of indigenous languages in language learning. Research should focus on developing context-sensitive SLA models that are relevant to specific sociolinguistic environments.

Conclusion

This study has critically examined the applicability of contemporary Second Language Acquisition (SLA) theories to the unique multilingual context of Cameroon. Through an exploration of traditional SLA frameworks—particularly those proposed by Ellis (1997) and Krashen (1982)—it has become evident that these models, which primarily stem from monolingual and bilingual contexts, do not adequately capture the complexities of language acquisition in Cameroon. The Cameroonian linguistic landscape, with its diverse array of over 250 indigenous languages alongside English and French as official languages, creates a unique environment where language acquisition cannot be understood through conventional SLA paradigms.

The research has demonstrated that existing SLA models, which assume a linear and structured progression from first language (L1) to second language (L2), fail to account for the fluid, dynamic, and multilingual reality in which English is acquired in Cameroon. Factors such as code-switching, language interference, and the blending of indigenous languages with French and English are central to how learners develop English proficiency in the country. In response to these challenges, the study proposed a redefined SLA framework that better aligns with Cameroon's linguistic diversity and offers a more context-sensitive approach to language acquisition.

Moreover, this study has significant pedagogical implications. It calls for the integration of multilingual strategies into SLA teaching methodologies, emphasizing the importance of translanguaging and communicative language teaching (CLT) to enhance English acquisition in multilingual classrooms. It also highlights the need for curriculum reforms and policy

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changes that prioritize bilingual and multilingual education, recognizing and leveraging the linguistic resources that students bring to the classroom. The role of teacher training in adapting to these innovative pedagogical strategies and the integration of technology further supports the development of an inclusive and effective English language learning environment. The study thus advocates for a paradigm shift in SLA theory and practice, urging a re-evaluation of how second language acquisition is defined and approached in multilingual settings such as Cameroon. By embracing the complexity of Cameroon's linguistic landscape, future research and policy reform can foster a more inclusive, relevant, and effective framework for SLA, offering valuable insights for similar multilingual contexts globally.

References

[1]. Anchimbe, E.A. (2014). Language policy and identity construction. The dynamics of Cameroonian multilingualism Journal of African Languages and Linguistics 35(2) 10.1515/jall-2014-0010

[2]. Atechi, S. (2006) The Intelligibility of Native and Non Native English Speech.

[3]. Ayafor, I. M. (2005). Language Policy and Planning in Cameroon. Language in Society, 34(4), 595-616. doi:10.1017/S0047404505050224

[4]. Cambridge Introductions to Language and Linguistics. Cambridge: Cambridge University

[5]. Cambridge University Press

[6]. Conteh, J. (2018). Translanguaging as Pedagogy - A Critical Review. In Creese and Blackledge (eds) The Routledge Handbook of Language and Superdiversity London: Routledge, 473-87

[7]. Crystal, D. (1997) A Dictionary of Linguistics and Phonetics. Cambridge:

[8]. Ellis, R. (1997). Second language acquisition. Oxford University Press.

[9]. Fonka, H. (2014). Can Cameroon Pidgincreole for Cameroon Schools Improve Education and Nation Building? In Veyu and Ubanako (Eds.), Faultlines in Postcoloniality: Contemporary Readings, Cambridge Scholars Publishing, 148-168.

[10]. García, O., & Wei, L. (2014). Translanguaging: Language, bilingualism, and education. Palgrave Macmillan. Gottingen: Nonnestieg 8.

[11]. Kouega, J. P. (2008). Cameroonian English and the challenges of its teaching and learning. Linguistik Online, 39(2), 23-36.

[12]. Kouega, J.P. (2007). The Language Situation in Cameroon. Current Issues in Language Planning, 1-94.

[13]. Krashen, S. D. (1982). Principles and practice in second language acquisition. Pergamon.

[14]. Mbibeh, L (2024) Controversies surrounding the acquisition of English in the multilingual and multicultural context of Cameroon. Journal of English Language, Literature, and Culture, Volume 7 no 02. ISSN 2304-6120. www.cellacameroon.org/publications/jellic

[15]. Mbibeh, L. (2021). On Context and Second language Acquisition: The Rural Urban dichotomy in Cameroon. Advances in Language and Literary Studies. Australian International Academic Centre. PIYLTD.

[16]. Mitchell, R., Myles, F., & Marsden, E. (2019). Second language learning theories (4th ed.). Routledge.

[17]. Nkwetisama, M (2017). Rethinking and Reconfiguring English Language Education: Averting Linguistic Genocide in Cameroon. International Journal of Applied Linguistics & English Literature, doi: 10.7575/aiac.ijalel. v.6n.6p.106.

[18]. Saville Trioke, M. (2006) Introducing Second Language Acquisition.

[19]. Vygotsky, L. S. (1978). Mind in society: The development of higher psychological processes. Harvard University Press.

[20]. Wolf, H. (2001) English in Cameroon. Berlin: Mouton de Gruyter.

Specificities of Teaching Ancient Egyptian Language in Russia and New Steps Towards Solving Current Pedagogical Problems

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Abstract
Historically Russia has enjoyed a rich Egyptological tradition, but currently suffers from a shortage of qualified scholars in this field. This is connected to a lack of modern resources for teaching Ancient Egyptian language geared towards Russian students, which means that even though Russia has impressive museum collections in the subject, the country finds it challenging to maximise their full potential. This article describes this problem, highlights why it is significant from both a cultural and a pedagogical perspective, and discusses steps towards improving the situation by creating a new Ancient Egyptian grammar in Russian.
Key Words: *Egyptology, Ancient Egyptian language, Textbook preparation, Zone of Proximal Development (ZPD), Integration of international teaching experience in Russia.*

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Background: Russian interest in Ancient Egypt and Egyptology as an academic discipline

Russia traditionally has one of the most significant academic traditions in Egyptology, which goes back to the nineteenth century. However, nowadays a range of circumstances have formed that make it harder for Egyptology in the country to fully realise its potential. In this article, the authors briefly explain the problems in teaching that need to be tackled for a more holistic development of Russian Egyptology in the present day, with particular reference to the field of Ancient Egyptian language studies, before moving on to describe the measures being taken in this direction at the Institute of Oriental and Classical Studies (IOCS) of the National Research University Higher School of Economics (HSE).

Russian connections to Egypt go back over a thousand years, with Grand Prince Vladimir the Great sending a delegation there as early as 1001 CE and interest in the culture steadily growing in the centuries that followed [1]. However, formation of Russian Egyptology as a distinct academic school did not occur until the 1870s. In 1874, the first Russian Egyptologist to identify as such, Vladimir Semenovich Golenishchev (1856-1947), published his debut works [2]. These consisted of three articles published in vol. 12 of the Leipzig journal "Zeitschrift fur Ägyptische Sprache und Altertumskunde" [3]. Indeed, this proved a very significant contribution to global Egyptology, for it was V. S. Golenishchev who was the first to study two texts that proved fundamental to the later development of the field – the "Tale of the Shipwrecked Sailor" and the "Moscow Mathematical papyrus". Building on this early work and the foundation of the Russian Egyptological Society in 1905, a pupil of Golenischev named B. A. Turaev went on to establish Russian Egyptology in a university setting. In 1919, he founded the first Egyptological chair in St. Petersburg, concentrating on the history of the ancient Near East and Egyptian literature and leaving behind enthusiastic followers like V. V. Struve and N. D. Flittner. In Moscow, Egyptology first started to be taught as a university subject in 1960, spearheaded by M. A. Korostovtsev, thereby ensuring its presence in both of Russia's largest cities. This arrangement remains true to this day, and the subject also enjoys strong representation in top national museums such as the State Hermitage in St. Petersburg [4] and the Pushkin State Museum of Fine Arts in Moscow [5]. However, despite this rich history of research and wealth of artefacts, in recent decades Egyptology has often struggled to survive in both major cities due to administrative and financial challenges, not least those emerging from the collapse of the USSR [1].

Egyptology as an academic discipline includes the study of not only the history, religion, and culture of ancient Egypt, but also the ancient Egyptian language. Indeed, some degree of familiarity with the language is generally considered a prerequisite of Egyptological training. For most of the pharaonic period, Ancient Egyptian could be written in two main scripts: the "divine words" or mdw nTr, now commonly termed hieroglyphs (a sacred form of writing designed for stone), and hieratic (an everyday form of writing designed for writing with a brush on papyrus or ostraca). For the Egyptians, writing was a way of conveying the surrounding reality, to establish a connection with the afterlife and gods and – in accordance with the theoretical framework of Y. M. Lotman – to effectively create their world [6]. Therefore, deciphering hieroglyphs brings researchers closer to the ancient world, allowing us not only to reconstruct practical details of Ancient Egyptian lived experience and administration, but also to understand how the ancient inhabitants of the Nile Valley thought. Moreover, written language was used not only as a tool for communication, but as a way of shaping the materiality of objects – thus, a huge number of monuments of material culture are somehow connected with writing. The Pyramid Texts, Coffin Texts, stelae and numerous wall inscriptions from tombs all count as prominent examples.

Why is there a need to learn the ancient Egyptian language?

While the ancient nature of the subject matter inevitably raises questions about the need to study it from a utilitarian perspective (especially in an environment of limited funds), it is nonetheless important to point out that detailed knowledge of the Ancient Egyptian language can be beneficial to a range of stakeholders. These can be subdivided into three broad groups:

a) Egyptologists – For these, knowing the language is a professional necessity, as this permits texts to be read in the original. It allows them to work with material and cultural monuments, to understand why a particular saying was formulated one way and not another, to 'think like an Egyptian' (i.e. to develop emic approaches to the study of the material), to connect the history of language with the history of society, and to guarantee

the preservation of knowledge about the ancient Egyptian civilisation for future generations. It should be noted that history already knows a period of one and a half thousand years when the ability to read hieroglyphs was completely lost, and therefore it is necessary to remember that the preservation of knowledge about this language is not a foregone conclusion: action, grounded in scholarly learning, is necessary for the ability to read it to be retained in the long term.

b) Clergy, theologians, and historians of religion – The Coptic Orthodox Church of Egypt is one of the oldest Christian churches in the world and continues to use a form of Ancient Egyptian in its worship (the church has about 20 million members). This church, and hence the Coptic phase of Ancient Egyptian, continues to play a significant role both in the spiritual and cultural life of modern Egypt and in the study of the formation of early Christianity. Moreover, Egypt is the most frequently mentioned country in the Bible, so Egyptological knowledge can be very helpful to people who work in this field (e.g. in matters of studying the historicity of biblical events).

c) Other persons – Egyptian language presents a range of potential attractions to a broad range of other interested individuals. At the most general level, it gives all learners a chance to broaden their horizons and develop their language skills in a context very different to what most people know already. At a more specialised level, philologists and linguists can benefit from deep study of ancient literature and linguistic relations, while archaeologists and historians can deploy it for work with material culture with an ancient Egyptian component (indeed, the line between ancient Egyptian fine art and hieroglyphic writing is often blurred). It is also worth noting that ancient Egyptian writing, along with Mesopotamian cuneiform, is one of the oldest scripts anywhere on earth (it is more than 5000 years old) – therefore, it is at the origins of the development of writing as a key sphere of human activity, which still fundamentally affects our lives.

Specificities of studying Ancient Egyptian in Russia

Studying Ancient Egyptian in Russia involves a number of peculiarities and difficulties. First of all, at present only two educational programmes (HSE University and Saint Petersburg State University) provide in-depth Egyptological training. It should be noted that admission to the first one is made once every five years (the first intake of students was in 2022), and

to the second one every two years, which makes it much harder for all applicants interested in the subject to get a specialised education.

A feature directly stemming from this is the small number of qualified staff capable of teaching Ancient Egyptian. This is an inevitable consequence of such a scarcity of teaching programmes – if few people know Ancient Egyptian, even fewer will be able to teach it. In this regard, it is a concern that Russia is currently significantly behind virtually all other countries with a major Egyptological tradition in the pace of training new staff — for example, Britain, with a population of only 68 million, is able to hold an annual intake of seven Egyptology programmes [7], while Russia has only two programmes for a population of 146 million, and no intake takes place annually. In view of this, it is necessary to increase the efficiency of teaching Egyptology in Russia – if at present the country cannot produce numbers of experts comparable to those of rival Egyptological traditions, there should at least be a focus on providing the highest level of training for the small number of experts that do graduate. In other words, to ensure quality over quantity.

As a rule, the few Egyptologists who do work in Russia do not undertake specialist training in pedagogy, preferring to focus instead on the research outputs necessary for an academic career, and this factor combines with the general dearth of cadres to render high quality language teaching a particularly difficult task. The situation with Ancient Egyptian textbooks in Russian is especially critical – for the entire existence of the Russian Federation, not a single Ancient Egyptian textbook has been published there. The most recent textbooks in Russian belong to the Soviet period, and not even its late phase. The works in question are N. S. Petrovsky's "The Egyptian Language. Introduction to hieroglyphs, lexicon and sketch of grammar of the Middle Egyptian language" [8] and M. A. Korostovtsev's "Introduction to Egyptian philology" 1963 [9]. Both volumes, despite their weighty contribution to the development of the subject in their era, are now outdated and do not meet the academic and pedagogical standards of today. Nevertheless, they should be examined in more detail.

N.S.Petrovsky's work features an extensive introduction, summarising the different phases of the Egyptian language and providing an overview of the place of Egyptian in the genealogy of other languages of the Middle East and North Africa. The author provides

historical background on the decipherment of the language, touching upon the challenges of studying it after the initial decipherment by French researcher Jean-Francois Champollion in the early nineteenth century. The use of tables and consideration of various examples in categorising hieroglyphic characters is an effective technique to aid comprehension. The grammar section is organised in a system: noun – adjective – pronoun – numerals – verb and forms thereof. The author gives various examples, but there are no exercises or vocabulary. Moreover, the introduction of the verb only towards the end of the textbook makes it extremely awkward for classroom study, forcing the teacher to pay excessive attention to verbless sentences (which in reality do not occur in Egyptian more often than sentences with a verb).

Meanwhile, in his work M. A. Korostovtsev considers the connection of the Egyptian language with Semito-Hamitic, Semitic and Libyan-Berber languages, in accordance with the linguistic standards of the time. He conducts a separate review of the material side (what was written on) before directly considering the writing system itself. Korostovtsev provides a table of alphabetic graphemes and devotes two paragraphs to hieratic and demotic writing. Phonetics and the various grammatical forms are treated separately. At the same time, this work is not provided with a dictionary, reference material, or any exercises. Thus, the work is well suited to the needs of people who already have a fairly thorough knowledge of Egyptian at a basic level, and want not so much to learn, but rather to delve into the phonetic and grammatical details of the language. For a student starting from scratch, comprehending this manual is essentially impossible.

The comparative table below *(Table 1)* sets out the advantages and disadvantages of the aforementioned works in a more concise form.

	Petrovsky, "The Egyptian Language" (Leningrad 1958)	Korostovtsev, "Introduction to Egyptian Philology" (Moscow 1963)
Positive features	• Content introduction • Short chapters convenient for studying the material	• Detailed linguistic analysis at phonetic, graphic, and syntactic level • Relevant examples Logical progression (noun – adjective – pronoun – numerals – verbs)	Overview of the materiality of writing
Negative features (for both works)	• No exercises or dictionary Outdated pedagogical approaches; lack of direct engagement with the reader and no opportunity for active learning	

Table 1: Advantages and disadvantages of two major Russian-language works related to the teaching of Ancient Egyptian language

Consequently, Russian instructors of Egyptian currently teach on the basis of English-language textbooks, which are not originally designed for Russian students and do not reflect the peculiarities of translation into Russian. There are many such textbooks [10], but the one employed at the university of the present writers is that of James Hoch [11], which is standard at leading universities in North America and Cambridge University. The textbook by Alan H. Gardiner [12] is also used for some reference material, lists of hieroglyphs, and exercises. This textbook, although older than even the aforementioned Soviet works and offering an outdated understanding of grammar, is still unsurpassed as a source of auxiliary material for the study of individual hieroglyphic characters.

The proposed remedy: A new Egyptian textbook developed at HSE University

Due to this not entirely satisfactory situation, there is a need to delineate methodologies for studying Egyptian in the Russian-speaking context, as well as to develop their practical application in Russia. This year a project to create a new textbook on the ancient Egyptian language has been launched at the university of the present writers – National Research University Higher School of Economics Moscow (HSE). It is planned that students and professors will work together to prepare teaching materials [13]. The aim of the project is to create a textbook convenient primarily for Russian-speaking readers/students, which in turn yields promise for the further development of Egyptology as a growing discipline in Russia. In shaping the structure of the textbook, the practical experience of students and teachers (including experience of foreign pedagogical settings), will be taken into account and combined with analysis of theoretical material dealing both with new

approaches to the subject matter and best practice in the field of language pedagogy as a whole.

At present, it is considered necessary to include in the new textbook:

1. Introduction with historical background and language features

2. Structured grammatical sections, organised in a logical form with "most understandable" material near the front and "hardest to understand" material later on.

3. Exercises aimed at practicing and consolidating the grammatical content (primarily translating and analysing sentences and/or whole passages from original ancient Egyptian literature, as well as pedagogical content created by the compilers themselves with a view to working on key aspects of grammar).

4. Dictionary and list of hieroglyphs

Unlike previous works, the new textbook will endeavour to use elements of pedagogical theory widely used in the study of other languages, but still completely absent in university Egyptology (both in Russia and beyond). The most relevant here is L. S. Vygotsky's theory of the "Zone of Proximal Development" (ZPD) [14]. The ZPD represents new knowledge, which students can reach through their own cognitive effort when deploying information already available in their minds, along with the effective support of the teacher and/or learning material. That is, the goal of the new textbook is to transform students from a passive listener, simply receiving and memorising knowledge, into active and empowered agents of their own ancient Egyptian learning. They will be able to reach the correct understanding of new constructions in their own mind, thinking through the discoveries for themselves and therefore understanding the logical system on which the language is built.

Constructing a textbook in this way will require a smooth, step-by-step increase in the complexity of the material, without large jumps from chapter to chapter and with a large number of training texts (both ancient and specially formulated for pedagogical purposes). The Cambridge Latin Course is an effective example of this kind of work in the context of ancient language learning, and could possibly serve as a prototype pedagogical approach for the envisaged new ancient Egyptian textbook [15].

Thus, to summarise, the study of Ancient Egyptian in Russia faces a number of difficulties, including the lack of teaching materials and qualified teachers. Nevertheless, work is underway to fill the gaps, including the writing of a textbook and further development of the methodology of teaching Ancient Egyptian.

References

[1]. Loktionov, A. A. "Of Pilgrims and Poets, Prisoners and Politics: The Story of Egyptology in Russia". In C. Langer (ed.), Global Egyptology: Negotiation in the Production of Knowledges on Ancient Egypt in Global Contexts. London: Golden House Press, 2017: 129–145.

[2]. Vigasin, A. A., A. N. Khokhlov, P. M. Shastitko (eds). History of Russian Oriental Studies from the mid-19th century to 1917 (История отечественного востоковедения с середины XIX века до 1917 года). Moscow: Publishing Company "Oriental Literature" RAS (Издательская фирма «Восточная литература» РАН), 1997: 434–459.

[3]. Lepsius, C. R. & H. Brugsch (eds). Zeitschrift für Ägyptische Sprache und Alterthumskunde: Zwölfter Jahrgang. Berlin: J. C. Hinrichs, 1874. Online: https://ia801305.us.archive.org/7/items/za-s-volume-12-1874/Z%C3%84S-Volume%2012-1874.pdf

[4]. For more on the Egyptology collection in the State Hermitage, see the Russian-language description available online at https://www.spbmuzei.ru/egipetskij-zal-i-mumii-v-ermitazhe?ysclid=m30bmngkwk687654870. For highlights available in English, see Piotrovsky, B. B. (ed.) Egyptian Antiquities in the Hermitage. Leningrad: Aurora Art Publishers, 1974.

[5]. For more on the Egyptology collection in the Pushkin State Museum of Fine Arts, see https://pushkinmuseum.art/museum/buildings/main/floor1/1_egypt/index.php?lang=en.

[6]. Lotman, Y. M. Semiosphere: Culture and Explosion, inside Conscious Worlds, Articles, Studies, and Notes (Семиосфера: Культура и взрыв, Внутри мыслящих миров, Статьи, Исследования, Заметки). Saint Petersburg: Art – SPb (Искусство – СПб), 2000.

[7]. For a list of currently available Egyptology programmes in British universities, see https://www.hotcoursesabroad.com/study/training-degrees/uk/egyptology-courses/loc/210/cgory/dc.733-4/sin/ct/programs.html.

[8].   Petrovsky, N. S. The Egyptian Language. Introduction to hieroglyphs, lexicon and sketch of grammar of the Middle Egyptian language (Египетский язык: Введение в иероглифику, лексику и очерк грамматики среднеегипетского языка). Leningrad: Leningrad University Press (Издательство Ленинградского университета), 1958.

[9].   Korostovtsev, M. A. Introduction to Egyptian Philology (Введение в египетскую филологию). Moscow: Publishing House of Oriental Literature (Издательство восточной литературы), 1963.

[10].   Examples of widely used English-language textbooks other than those mentioned later in this article are Allen, J. P. Middle Egyptian: An Introduction to the Language and Culture of Hieroglyphs. 2nd ed., revised. Cambridge: Cambridge University Press, 2010; Bussmann, R. Complete Middle Egyptian: A New Method for Understanding Hieroglyphs. London: Hachette, 2017; Ockinga. B. G. Concise Grammar of Middle Egyptian: An Outline of Middle Egyptian Grammar. Mainz: von Zabern, 1998. For a full list, see here - https://mjn.host.cs.st-andrews.ac.uk/egyptian/grammars/

[11].   Hoch, J. E. Middle Egyptian Grammar (SSEA Publication XV). Toronto: Society for the Study of Egyptian Antiquities, 1997.

[12].   Gardiner, A. H. Egyptian Grammar, 3rd ed. Oxford: Clarendon Press, 1957.

[13].   For the Russian-language page announcing the project on the HSE University website, see https://smartpro.hse.ru/epp-view/2586.

[14].   Vygotsky, L. S. Mind in Society: The Development of Higher Psychological Processes. Cambridge, MA: Harvard University Press, 1978. For a more recent treatment of this topic, see Podolskiy, A. I. "Zone of Proximal Development". In N. Seel (ed.), Encyclopedia of the Sciences of Learning, DOI: 10.1007/978-1-4419-1428-6. Berlin: Springer, 2012: 3485-3487.

[15].   For more on the Cambridge Latin Course, see https://www.clc.cambridgescp.com/.

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Effectiveness of Corrective Feedback to the Speaking Proficiency of ESL Students

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Abstract

The study sought to determine the effectiveness of explicit corrective feedback on the speaking proficiency of ESL students. To answer this, a quasi-experimental pre-test post-test non-equivalent group design was employed, with two sections of AB English students from the University of Southern Mindanao assigned to control (n=28) and experimental (n=37) groups. In assessing each group's proficiency in the pre-test and post-test, the study used English Score, a free mobile application developed by the British Council. The experimental group received 10 corrective feedback sessions to address speaking errors the respondents committed in the classroom. The data gathered in this study was analysed using t-tests and Mann Whitney U test. Results indicate that corrective feedback is effective, with participants in the experimental group showing significant improvement compared to the control group after the intervention. However, the degree of improvement observed in the experimental group was only comparable to that demonstrated by the control group.

Key Words: *Corrective Feedback, ESL, speaking proficiency, quasi-experimental, control group, experimental group.*

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Introduction

In the Philippines, English serves as the second language (L2), and the ability to express oneself effectively in a second language is deemed vital yet challenging for language learners, as it necessitates mastery of pronunciation, grammar, vocabulary, fluency, and coherence. According to Separa et al. (2020), most English as a second language (ESL) learners encounter significant difficulties in articulating their views and perspectives due to their poor grammar competence, anxiety, lack of vocabulary, and inadequate exposure to spoken English. Despite several years of instruction in English, a number of students still struggle to express themselves effectively. Nurmiati (2017) pointed out that students may encounter difficulties in acquiring proficiency in speaking L2, resulting errors in their language use. Thus, in the classroom, teachers must provide feedback to help students correct their errors. It is one of their responsibilities as a language teacher to assist students in developing oral skills so that they can express themselves clearly and effectively in the target language (Jeyasala, 2014).

Corrective feedback (CF), described by researchers and scholars as the provision of information to rectify learners' errors, has been recognized as a potentially effective method for enhancing both writing and speaking proficiency among learners, particularly in terms of grammar. As Khunaivi and Hartono (2015) stated, the feedback provided by teachers could be seen as a valuable input for students to enhance their English Language Proficiency (ELP). It can be provided in oral or written form and includes various types, including positive, negative, immediate, delayed, explicit, and implicit (Tesnim, 2019). If ESL learners receive no feedback from their teacher, they may become confused and accept errors as correct, which can lead to a phenomenon called fossilization. However, the beneficial effect of CF as a method for teaching language has been a topic of debate among researchers, and the extent to which it can improve learners' speaking proficiency is still unclear (Magbanua & Provida, 2023).

Over a period of four decades, studies about the ineffectiveness of CF continue to be published. In the 1980s through his Input Hypothesis, Krashen (1982,1985) denied any identified beneficial effects of CF on Second Language Acquisition (SLA). He contended that CF is not only ineffective but also possibly detrimental because it blocks the flow of speech that may give understandable input. Also, according to him,

no amount of CF can compensate for a lack of motivation to learn the language. Aside from Krashen, Truscott (1996) conducted an analysis of three studies and concluded that correcting errors was ineffective, and should not be used in language learning. He argued that improving learner's proficiency is a complex process, and simply correcting their errors is akin to transferring information. Learning a language in this sense oversimplifies the learning process and assumes that students passively receive and absorb all information provided by a teacher. Zilberman (2023) also provided backing to this perspective. In his article, he argued that simply understanding errors is not enough to guarantee error-free communication in the future. He claimed that recognizing and repairing errors made in spontaneous communication requires different cognitive processes. Even if students can recognize their errors, they might not yet have the automaticity to avoid making them in subsequent communication.

Since the last decade however, research results have taken an interesting turn towards the opposite. Among these are Ahmad et al. (2013) whose findings indicated a close relationship between corrective feedback and academic achievement of students in secondary schools citing higher examination scores and deeper understanding of concepts among other positive results of CF. Similar results were noted by Mahmoud (2018), citing remarkable effects, in a meta-analysis of seven theses and 20 research papers exploring the effects of CF on ESL students' motivation, achievement and performance. Patra et al. (2022) likewise found out in an experimental study conducted among 76 students that corrective feedback positively affected the academic performance of students.

To shed light on the contrasting results of studies on the effect of corrective feedback to the communication skills of the students, this study aimed to determine the effectiveness of explicit corrective feedback (ECF) on the speaking proficiency of AB English students. To achieve this, the study determined the speaking proficiency of participants in both the control and experimental groups in the pre-test and post-test. Secondly, it measured the difference in speaking proficiency between both groups before and after the intervention. Lastly, it measured the mean difference between the pre-test and post-test means of both groups to identify the overall speaking achievement of the experimental group.

The findings of this study can contribute to the prevailing debate regarding CF's effectiveness in language acquisition, especially in terms of improving learners' speaking proficiency. Ultimately, the study's significance lies in its potential to contribute to the development of language teaching pedagogy, which can ultimately benefit language learners in their quest to achieve proficiency in a second language.

Theoretical Framework

This study drew upon the Output Hypothesis proposed by Swain (1985), and the Scaffolding theory proposed by Vygotsky (1930).

The Output Hypothesis of Swain (1985) posits that language production, or output, plays a crucial role in language acquisition. It suggests that through output, learners are able to notice gaps in their own knowledge and make adjustments to improve their language proficiency. In the context of language learning, this theory emphasizes the importance of actively engaging in speaking activities to develop a deeper understanding of the language.

Building upon the Output Hypothesis, Vygotsky's sociocultural theory of scaffolding provides a framework that supports learners in their language development. This theory is related to the Zone of Proximal Development (ZPD) and it posits that students will learn quickly when collaborating with others who have a wider range of skills and knowledge than they currently have. These individuals often referred to as the "scaffolders." According to Yetman (2020), ZPD represents the gap between learners' current language proficiency and their potential to acquire higher-level language skills. By providing appropriate support and challenges within their ZPD, instructors can help students progress in their language development especially on grammar. As (Gottsäter, 2018) said, scaffolding enables students to understand grammatical structures they did not understand before.

As the ESL learners actively engage in speaking activities provided in the classroom, instructors can identify their ZPD and provide tailored support and challenges to help them bridge the gap between their current proficiency and their potential for higher-level language skills. This may involve providing corrective feedback (Saito, 2013), designing language tasks that suit individual learners' needs, and fostering collaborative learning environments

When CF is integrated within the scaffolding process, students' language output can be reinforced as they become aware of gaps in their language production. Through the guidance and support provided by scaffolders, learners can actively adjust their language output based on the feedback received, leading to improvements in their speaking proficiency.

Methodology

The study utilized a quasi-experimental pretest-posttest non-equivalent comparison group design with two groups of ABEnglish students who have been pre-assigned to their respective sections, as respondents. To eliminate potential bias, the researcher drew lots in order to determine the control and experimental groups. Prior to the intervention, the respondents in both the control and experimental groups were provided with an orientation about the study and were asked to sign an informed consent. Although all of the students became part of the intervention, only the data from those who voluntarily signed up for the study were gathered and analyzed.

The respondents were then individually guided to take the pre-test using their mobile phones. Screenshots of the results were kept for documentation. To protect the respondents' identities, individual results were kept confidential and only a summary of the groups' performance was published.

Lessons during the sessions were designed to maximize opportunities for oral interaction among the participants. Among the activities incorporated were group discussions, oral presentations, and interactive question-and-answer sessions during lesson discussions. Participants' errors during these activities were observed, documented by the researcher, and submitted to the teacher for explicit oral correction according to the conditions set in the implementation of CF (Ellis, 2009).

After the sessions, both groups took the same speaking proficiency test (Post-test) to determine whether the intervention improved their performance and whether the experimental group performed more significantly than the control group. The same process and condition during pre-test was followed. The confidentiality of the participants was upheld, and the results were presented in aggregate form to protect their privacy.

In analysing the gathered data, this study used paired t-tests, independent t-tests, and Mann Whitney U test. Paired t-tests were used to determine the difference between the speaking proficiency of both experimental and control groups before and after the intervention. On

the other hand, independent t-tests were used to measure the difference between the average pre-test score of the control group and the experimental group. It was also used to assess the difference between their overall pre-test post-test mean score while Mann Whitney U test was employed to compare the mean of post-test score of both group to determine if the intervention was effective. The level of significance was set at α = 0.05 to determine statistical significance.

Results and Discussion

Control Group Proficiency Level before the Intervention. After thoroughly analyzing the speaking proficiency of the control group before the intervention, it was found that 15 out of 28 participants (53.57%) attained a B1 ranking or Intermediate level (300-399), 6 (21.43%) reached a B2 ranking or Upper Intermediate (400-499), 4 (14.29%) were classified as A1 beginners (100-199), and 3 (10.71%) fell into the A2 Elementary level category.

As illustrated in Table 1, the majority of participants exhibited a B1 level of proficiency. According to the CEFR, learners at this level can comprehend the main ideas of familiar interactions encountered in various contexts such as school, work, and leisure. Additionally, learners at this proficiency level can produce simple, interconnected texts on topics of personal interest.

Considering that English is a second language in the Philippines, B1 level proficiency, however, according to Magbanua and Provida (2023), is quite low compared to the expected proficiency for ESL learners especially college students majoring in English who already are at their final year in the academe. Their claim aligns with an earlier result of a study conducted by Gabriel (2018) which found out a lower-than-expected performance in English among Teacher Education students in a higher education institution in the Philippines. The result of the present study likewise aligns with the statement of Tan (2018) citing that Filipino graduates on the average, fall short of their expected proficiency level in the CEFR, where A1 represents primary users, and C2 represents proficient users. This implies that the majority of Filipino students, including those majoring in English, are at a low level of proficiency (Gabriel, 2018). Thus, it is considered that before the intervention, majority of subjects in the control group had a low level of proficiency.

On the other hand, 21.43% of participants attained a B2 proficiency level, which is considered adequate for tertiary-level students. B2, classified as the upper

intermediate level of English in the CEFR. At this level, learners can confidently assert, "I am a proficient English speaker." At this stage, students can function independently in diverse academic and professional environments in English.

However, an alarming result was that there were 7 (25%) who were at the Elementary (A2) and Beginner (A1) levels. Kurtz (2023) explained that A1 and A2 both represent basic users of English. They typically have a limited vocabulary and understanding of grammar, and they tend to use simple sentence structures and basic language functions to communicate. However, those students who were at the A2 level of proficiency are slightly more advanced than A1. At this level, learners are still relying on basic familiar and personal subject matter to assist with language understanding and production while at the A1 level, learners typically use isolated and formulaic phrases. Also, they use pausing and rephrasing only occasionally.

Table 1. Speaking proficiency of the control group before the intervention

Level	Frequency (n=28)	Percent (%)
Advanced (C1)	0	0.00
Upper Intermediate (B2)	6	21.43
Intermediate (B1)	15	53.57
Elementary (A2)	3	10.71
Beginner (A1)	4	14.29
Mean	335.61	
Level	Intermediate (B1)	

Experimental Group's Proficiency Level before the Intervention. As observed in Table 2, the mean average of the experimental group before the intervention (335.62) was almost the same as the mean average of the control group (335.61). Twenty one (56.76%) out of 37 respondents reached the B1 level, 10 (27.02%) acquired the A2 level, and 6 (16.22%) were at the B2 level.

As presented, majority of the participants' proficiency were also at B1 level. These participants cannot produce language for long stretches of time without pausing to rephrase or search for expressions or vocabulary (Kurtz, 2023). Considering that only 6 (16.22%) reached the upper-intermediate level, this implies that just a few participants were confident when speaking, and the majority were still striving to produce longer utterances.

Furthermore, 10 (27.02%) of participants were classified as basic users. They could only communicate in simple way with basic words and phrases (Kurtz, 2023). This suggests that these participants were

struggling to express their thoughts clearly and in a more complex way. Also, they just possessed limited vocabulary and grammar knowledge, thereby impacting their fluency and communication. This low proficiency level is particularly concerning for tertiary AB English students.

Morallo (2018) compared the English-speaking proficiency of Filipino and Thai students and observed that the English-speaking skills of Filipino college graduates is lower than the proficiency target set for high school students in Thailand. The result was confirmed by Tan (2018) when he explained that the level of English-speaking skills of Filipino college graduates was at B1, lower than the B2 target for Thai high school graduates. An alarming aspect of Tan's study was that graduates of Bachelor of Science in Education majoring in English, who participated in the research, scored comparably to proficiency levels of Grade 2 and Grade 5 students in the United Kingdom and United States. Considering that the participants of this study were also graduating English major students, the result of their performance means their oral performance in English is poor, similar to Pascua's findings in 2019 where the participants in the experimental group had poor English proficiency at the beginning of their study.

Table 2. Speaking proficiency of the experimental group before the intervention

Level	Frequency (n=37)	Percent (%)
Advanced (C1)	0	0.00
Upper Intermediate (B2)	6	16.22
Intermediate (B1)	21	56.76
Elementary (A2)	10	27.02
Beginner (A1)	0	0.00
Mean	335.62	
Level	Intermediate (B1)	

Control Group's Proficiency Level after the Intervention. As shown in Table 3, significant insights emerge regarding the scores of the control group. One participant (3.57%) reached the advanced level of proficiency. However, the majority of participants, 15 (53.57%), remained at the B1 level. Additionally, 7 participants (25%) moved to the upper-intermediate level, while 4 (14.28%) stayed at the A1 level, and 1 participant (3.57%) was categorized as A2.

The mean average increased from 335.61 to 370.00. This result suggests that despite the absence of assistance or treatment for control group, there was still improvement in their speaking proficiency compared to their proficiency before the intervention.

Table 3. Speaking proficiency of the control group after the intervention

Level	Frequency (n=28)	Percent (%)
Advanced (C1)	1	3.57
Upper Intermediate (B2)	7	25
Intermediate (B1)	15	53.57
Elementary (A2)	4	14.28
Beginner (A1)	1	3.57
Mean	370.00	
Level	Intermediate (B1)	

Experimental Group's Proficiency Level after the Intervention. As illustrated in Table 4, none of the subjects in the experimental group reached the C1 level after the intervention. However, 21 (56.76%) acquired upper intermediate, 15 (40.54%) were intermediate (B1), and 1 (2.70%) stayed at elementary level. Furthermore, the mean average increased from 335.62 to 400.49. Consequently, it is clearly evident from the results that the majority of participants experienced an increase in proficiency, advancing to another level. The majority achieved upper-intermediate proficiency, with only 1 participant remaining a basic user, compared to the pre-intervention assessments where many were at the B1 level, along with several at a basic level.

This result closely aligns with the findings of Tesnim's (2019) study, which aimed to enhance students' grammatical accuracy through explicit Oral Corrective Feedback (OCF). The results revealed that some of the EFL students who participated succeeded in overcoming their grammatical errors in the post-test and showed varying degrees of improvement. However, despite receiving corrective feedback, some did not exhibit significant improvement. As shown in Table 4, there were also participants who had a B1 level of proficiency before the intervention and remained at B1 after it. Additionally, similar to the results of this study, there was also one participant in Tesnim's (2019) study who did not show any change in their oral production.

Table 4. Speaking proficiency of the experimental group after the intervention

Level	Frequency (n=37)	Percent (%)
Advanced (C1)	0	0.00
Upper Intermediate (B2)	21	56.76
Intermediate (B1)	15	40.54
Elementary (A2)	1	2.70
Beginner (A1)	0	0.00
Mean	400.49	
Level	Upper Intermediate (B2)	

Difference in Pre-test and Post-test Scores of the Control Group. To determine whether there is a difference between the proficiency of the control group

before and after the intervention, a dependent t-test was used. As shown in Table 5, the mean difference in the average score of the control group before (M=334.61, SD=76.10) and after [M=370.00, SD=93.00, t(27)=1.86] the intervention is 34.39. The p-value associated with this difference is 0.074, which is greater than the 5% level of significance. This suggests that although there is a minimal increase in the mean speaking proficiency score from the pre-test to the post-test among the control group participants, this difference is not statistically significant. This implies that the control group's speaking proficiency did not improve after the intervention.

This result is consistent with the result identified in the study of Nhac (2021), in which the control group score in the post-test is also higher compared to their pre-test score but the rate was not considered significant because the p-value shown was higher than 0.05.

Table 5. Test of significant difference in the proficiency of the control group before and after the intervention

Group	n	Mean	SD	Mean Difference	t	df	p-value
Post-test	28	370.00	76.10	34.39	1.86ns	27	0.074
Pre-test		335.61	93.00				

ns-not significant at 5% level

Difference in Pre-test and Post-test Scores of the Experimental Group. On the other hand, to assess the progress of the experimental group, their mean score before and after the intervention was also compared using dependent t-test. As shown in Table 6, the difference between the mean average score of the experimental group during the pre-test (M=335.62, SD=62.60) and the post-test [M=400.49, SD=45.49, t(36)=6.48] is 64.87. The p-value associated with this difference is (p=.001<0.05), which means that the observed difference in the mean scores between the pre-test and post-test is statistically significant at the 5% level. This result indicates that the participants of the experimental group showed a significant improvement at the end of the intervention. It is therefore assumed that the provision of explicit corrective feedback was effective.

The result is comparable to the result of the study conducted by Nhac (2021) where the participants in the experimental group showed significant improvement specifically in their grammar and vocabulary.

These findings of this study are in line with the arguments of several scholars, suggesting that

corrective feedback (CF) can have a positive impact on students' speaking accuracy. They also corroborate the claim made by Yu et al. (2021) that the effectiveness of corrective feedback depends greatly on its implementation, including the type and timing, which in this study was oral and explicit. This study, along with Nhac (2021), demonstrates that explicit correction and prompts like metalinguistic feedback are indeed effective in helping students produce accurate grammatical utterances, as they provide students with the opportunity to identify errors and understand the appropriate grammar rules. Other studies with similar findings, such as those conducted by Zohrabi and Ehsani (2014) and Koşar and Bedir (2014), also support the idea that CF can enhance grammar acquisition.

Table 6. Test of significant difference in the proficiency of the experimental group before and after the intervention

Group	n	Mean	SD	Mean Difference	t	df	p-value
Post-test	37	400.49	45.40	64.87	6.48*	36	<.001
Pre-test		335.62	62.60				

*-significant at 5% level

Difference in Pre-test and Post-test Scores of the Control and Experimental Group. Table 7 shows that the control and experimental groups had the same speaking performance in the pre-test. As illustrated, the mean score of the Experimental group (M=335.62, SD=62.60) is slightly higher than that of the control group (M=335.61, SD=93.00). However, the difference is only 0.01, while the p-value is 0.999, which is greater than 0.05. This indicates that both groups were homogeneous and comparable at the start of the study. In other words, there was no significant difference in their speaking proficiency. Thus, the null hypothesis in this study, stating that there is no difference in speaking proficiency in English between the control and experimental groups before the intervention, cannot be rejected.

This result mirrors that of Afraz et al. (2017), whose study's aim was to improve the speaking proficiency of female Iranian students through public aids. The p-value of the mean score for both the control group and the experimental group before the intervention in their study was 0.931, which is greater than 0.05. Hence, the participants in their study were also found homogeneous. This finding determined the appropriate statistical tool used to treat the data.

The same context was observed in Al-Garni and Almuhammadi's (2019) study which revealed that both the experimental and control groups had pre-test results

centered around the median rating of 3.0, suggesting that their speaking proficiency before the intervention was comparable.

Table 7. Test of significant difference in the proficiency of the experimental and control group before the intervention

Group	n	Mean	SD	Mean Difference	t	df	p-value
Experimental	37	335.62	62.60	0.01	0.00075 ns	63	0.999
Control	28	335.61	93.00				

ns-not significant at 5% level

Difference in the Post-test Scores of the Control and Experimental Groups. Post-test was administered to all participants in both the experimental and control groups to measure the difference of their speaking achievement. Upon analysing the post-test scores of both groups using the Shapiro Wilk, it was revealed that the difference in the post-test scores of the experimental group was not normally distributed.

As shown in Table 8, the value of experimental group's data during post-test is 0.032, while the control group is 0.122. One of the assumptions of the Shapiro-Wilk test is that if the p-value for a certain group's data is higher than 0.05, it indicates that the data follows a normal distribution. Conversely, if the p-value is lower than 0.05, the data is not normally distributed. If the data is not normally distributed, t-tests should not be used. This indicates that the control group's data is normally distributed because (p 0.122>0.05). On the other hand, the data of experimental group is not normally distributed because the (p 0.032<0.05).

Hence, to address the objective 8 of this study, the Mann Whitney U test was used. This test is a non-parametric method used to assess differences between two independent groups that are not normally distributed (McClenaghan, 2022). However, in this post-test comparison, only the experimental group showed non-normal distribution.

Table 8. Test of Normality on the pretest, posttest, and the differences

	group	pretest	posttest	difference
Shapiro-Wilk p	Experimental	0.354	0.032	0.205
	Control	0.145	0.122	0.837
		Both Normal	Experimental is not normal Control is normal	Both Normal

The Mann Whitney U test reveals (see Table 9) that the improvement of the experimental group was significant at the 5% level. The median of the experimental group (Mdn=413.00, n=37) was significantly larger than that of the control group (Mdn=380.50, n=28). Hence, it can be assumed that the experimental group significantly improved compared to the control group. Thus, the provision of explicit corrective feedback was effective.

This result aligns with the findings of Zohrabi and Ehsani (2014), who investigated the effectiveness of implicit and explicit corrective feedback in enhancing the grammar accuracy of Iranian EFL learners. Their study revealed that while both types of corrective feedback can improve grammatical accuracy, explicit corrective feedback is notably more effective than implicit feedback. This demonstrates that explicit feedback is indeed an effective approach for improving students' grammatical accuracy.

Table 9. Test of significant difference in the proficiency of the experimental and control group after the intervention

Group	n	Median	Mann Whitney U	p-value
Experimental	37	413.00	378.00*	0.032
Control	28	380.50		

*-significant at 5% level

Difference of the Pre-test and Post-test Mean Scores of the Control and Experimental Groups. As shown in Table 9, the mean difference between both the control and experimental groups did not differ significantly. An independent sample t-test was conducted to compare the means of their pre-test and post-test results. The results revealed that there was no significant difference between the pre-test and post-test mean score of the experimental group (M=64.87, SD=60.80) and the control group (M=34.39, SD=97.80) because the p-value was 0.064, which is greater than 0.05. This implies that the increase in the speaking proficiency of the experimental group, although significant, is not substantially different from the improvement of control group. Therefore, the null hypothesis in this study, stating that there is no significant difference in the mean difference between the control and experimental groups, cannot be rejected. This result is similar with the findings of Al-Garni and Almuhammadi (2019) and differs from the result identified in the study of Afraz et al. (2017).

In Al-Garni and Almuhammadi (2019) study, the effect size of CLT was minimal. Despite the experimental group scoring higher, the difference in performance

between the experimental and control groups was not substantial.

One reason behind the small effect of corrective feedback in their study and in this current study is that the intervention lasted for a short period of time (10 sessions). If the intervention had lasted for at least 6 months or more, and the students had frequently engaged in speaking activities and received corrective feedback thrice a week, clear effectiveness of corrective feedback might have been obtained.

On the other hand, the findings identified in the study by Afraz et al. (2017) showed that the p-value resulting from the comparison of the mean scores in the pre-test and post-test of all subjects in the control (14.95) and experimental groups (18.30) was .000, which is less than 0.01. This indicates that the experimental group demonstrated a significant improvement compared to the control group.

Table 10. Test of significant difference in the mean difference in the proficiency of experimental group and the control group.

Group	n	Mean	SD	Mean Difference	t	df	p-value
Experimental	37	64.86	60.80				
				30.47	1.54 ns	63	0.064
Control	28	34.39	97.80				

ns-not significant at 5% level

Conclusion and Recommendations

The findings of this study revealed that both the control and experimental groups exhibited an overall speaking proficiency level of B1 or Intermediate before the intervention. This classification, drawn from the mean scores of each group (see Tables 1 and 2). This level, according to Tan (2018), is lower than the B2 proficiency of high school students in Thailand and is comparable to that of 5th or 6th-grade students in the United States and United Kingdom (Palma et al., 2020).

After the intervention which consist of 10 sessions, both control and experimental group's speaking proficiency improved based on the difference of their pre-test and post-test results. However, the improvement in the experimental group's speaking proficiency was significant at 5%, while the progress of the control group was minimal and not significant according to the t-test.

However, upon comparing the mean differences between the pre-test and post-test results of both groups (see Table 9), no significant difference was observed. Considering that the control group's speaking proficiency improved even without the treatment, it can be assumed that the improvement showcased by the experimental group, although statistically significant, may not be solely attributed to the treatment or corrective feedback; other influencing factors may have contributed to their scores. Hence, it can be assumed that there's a possibility that the contribution of corrective feedback to the experimental group's speaking progress may be quite minimal or not necessarily substantial.

Hence, this study further recommends exploring additional factors that may contribute to speaking proficiency beyond corrective feedback. Possible option for future research could include investigating the frequency and duration of exposure to English language environments of English major students outside of the classroom. Furthermore, conducting a more in-depth examination of the effectiveness of corrective feedback would be beneficial. Extending the intervention beyond 10 sessions would allow for a clearer assessment of its effectiveness. The future researcher could also investigate the effectiveness of other types of teaching approaches, such as Communicative Language Teaching (CLT), Task-Based Approach (TBA) etc. in improving speaking proficiency in the Philippine context.

References

[1].   Ahmad, I., Saeed, M., & Salam, M. (2013). Effects of corrective feedback on academic achievement of students: Case of Government Secondary Schools in Pakistan. International Journal of Science and Research, 2(1), 36-40.

[2].   Al-Garni, S. A., & Almuhammadi, A. (2019). The effect of using communicative language teaching activities on EFL students' speaking skills at the University of Jeddah. English Language Teaching, 12(6), 72. https://doi.org/10.5539/elt.v12n6p72

[3].   Afraz, S., Taghizade, L., & Taghinezhad, A. (2017). The usefulness of pictorial Aids in developing female Iranian Intermediate EFL learners' speaking proficiency. International Journal of Education and Literacy Studies, 6(1), 38. https://doi.org/10.7575/aiac.ijels.v.6n.1p.38

[4].   Bao, R., & Wang, H. (2023). A comparison between the preferences for oral corrective feedback of teachers and students of Chinese as a second language. Frontiers in psychology, 14.

Arizona, USA

[5]. Brown, D. (2014). The type and linguistic foci of oral corrective feedback in the L2 classroom: A meta-analysis. Language Teaching Research, 20(4), 436–458. https://doi.org/10.1177/1362168814563200

[6]. Chania, S., & Amri, Z. (2019). An analysis of students' grammatical errors on speaking at sea debate at English department of faculty of languages and arts of Universitas Negeri Padang. Journal of English Language Teaching, 8(4), 515-521. https://doi.org/10.24036/jelt.v8i4.106239

[7]. Chehr Azad, M. H., Farrokhi, F., & Zohrabi, M. (2017). The effects of the corrective feedback on Iranian EFL learners' speaking accuracy and breakdown fluency. Journal of Language Horzons, Alzabra University 1(2),107129.

[8]. Chen, S., Nassaji, H., & Liu, Q. (2016). EFL learners' perceptions and preferences of written corrective feedback: a case study of university students from Mainland China. Asian-Pacific Journal of Second and Foreign Language Education, 1(1). https://doi.org/10.1186/s40862-016-0010-y

[9]. Damaiyanti, S. (2021). Grammatical errors made by students in speaking English. Journal of English Language Teaching and Learning, 2(2), 15–22. https://doi.org/10.18860/jetle.v2i2.11945

[10]. DeKeyser, R. (2015). Skill acquisition theory. In B. VanPatten & J. Williams (eds.), Theories in second language acquisition. New York: Routledge, 94–112.

[11]. Dewi, R. S., & Hasnah, Y. (2022). Students' grammatical errors made in speaking English at English department in UINSU. English Teaching and Linguistics Journal (ETLiJ), 3(1), 57-60. http://dx.doi.org/10.30596%2Fetlij.v3i1.8011

[12]. Ellis, R. (2009). The differential effects of three types of task planning on the fluency, complexity, and accuracy in L2 oral production. Appl. Linguist. 30, 474–509. doi: 10.1093/applin/amp042

[13]. Elsaghayer, M. (2014). Affective Damage to oral corrective feedback among students in Libyan secondary schools. IOSR Journal of Research & Method in Education (IOSR-JRME), 4(6), 74–82.

[14]. Fadhila, H., Fauziati, E., & Haryanti, D. (2013). Errors in speaking English made by students of English department of Muhammadiyah University of Surakarta (Thesis, Universitas Muhammadiyah Surakarta). http://eprints.ums.ac.id/25152/

[15]. Fidan, D. (2015). Learners' preferences of oral corrective feedback: An example of Turkish as a foreign language learner. Educational Research and Reviews, 10(9), 1311-1317.

[16]. Fungula, B. N. (2013). Oral Corrective Feedback in the Chinese EFL Classroom. (Degree Project). Karlstads Universitet. Retrieved from http://www.divaportal.org/smash/get/diva2:693017/FULLTEXT01.pdf.

[17]. Hartono, D., Basthomi, Y., Widiastuti, O., & Prastiyowati, S. (2022). The Impacts of Teacher's Oral Corrective Feedback to Students' Psychological Domain:A Study on EFL Speech Production. Cogent Education, 9(1). https://doi.org/10.1080/2331186x.2022.2152619

[18]. Van Ha, X., Nguyen, L. T., & Hung, B. P. (2021). Oral corrective feedback in English as a foreign language classroom: A teaching and learning perspective. Heliyon, 7(7), e07550. https://doi.org/10.1016/j.heliyon.2021.e07550

[19]. Jeyasala, V. R. (2014). A prelude to practice: Interactive activities for effective communication in English. Alternative pedagogies in the English language & communication classroom, 164-170.

[20]. Kawasaki, J. (2020). The do's and don'ts of error correction in English. Retrieved from https://bridge.edu/tefl/blog/error-correction-teaching-english/

[21]. Kartchava, E. (2019). Chapter 5: Nonverbal behaviour and corrective feedback. In Noticing oral corrective feedback in the second language classroom: Background and evidence. Lexington Books.

[22]. Kalaja, P., Barcelos, A. M. F., & Aro, M. (2017). Revisiting research on L2 learner beliefs. In Routledge eBooks (pp. 222–237). https://doi.org/10.4324/9781315676494-14

[23]. Krashen, S. (1982a). Principles and practice in second language acquisition. New York: Pergamon Press Inc.

[24]. Krashen, S. (1985b). The Input Hypothesis: Issues and Implications. London: Longman.

[25]. Koşar, G., & Bedir, H. (2014). Strategies-based instruction: A means of improving adult EFL learners' speaking skills. International Journal of Language Academy, 2(3). http://oaji.net/articles/2014/505-1411382239.pdf

[26]. Khunaivi, H., & Hartono, R. (2015). Teacher's and Student's Perceptions of Corrective Feedback in Teaching Speaking. English Education Journal, 5(2), 14-20.

Arizona, USA

[27].   Lee, E. J. (2013). Corrective feedback preferences and learner repair among advanced ESL students. System, 41(2), 217–230. https://doi.org/10.1016/j.system.2013.01.022

[28].   Lyster, R., & Ranta, L. (2013). Counterpoint Piece: The case for variety corrective feedback research. Studies in second Language Acquisition, 35(1), 167-184. Retrieved from http://journals.cambridge.org/abstract_,doi:10.1017/S027226311200071X

[29].   Magbanua, G. & Provida, J.T. (2023). Proficiency, anxiety, and corrective feedback preferences among ESL learners. Modern journal of studies in English language teaching and literature. 5(1).

[30].   Morallo, A. (2018, February 8). Filipino graduates' English skills lower than target for cab drivers in Dubai, study says. Philstar.com. https://www.philstar.com/headlines/2018/02/08/1785840/filipino-graduates-english-skills-lower-target-cab-drivers-dubai-study-says

[31].   Nassaji, H. & E. Kartchava (eds.) (in press). The Cambridge handbook of corrective feedback in language learning and teaching. Cambridge: Cambridge University Press.

[32].   Nhạc, H. T. (2021). Effect of teachers' corrective feedback on learners' oral accuracy in English speaking lessons. International Journal of Learning, Teaching and Educational Research/International Journal of Learning, Teaching and Educational Research, 20(10), 313–330. https://doi.org/10.26803/ijlter.20.10.17

[33].   Nguyen, T. B., & Pham, V.P.H. (2014). The Effects of Communicative Grammar Teaching on Students' Achievement of Grammatical Knowledge and Oral Production. Journal of English language teaching. Vol. 7, No.6. doi:10.5539/elt. v7n6p74

[34].   Patra, I., Alazemi, A., Al-Jamal, D., & Gheisari, A. (2022). The effectiveness of teachers' written and verbal corrective feedback (CF) during formative assessment (FA) on male language learners' academic anxiety (AA), academic performance (AP), and attitude toward learning (ATL). Language Testing in Asia, 12(1). https://doi.org/10.1186/s40468-022-00169-2

[35].   Pascua, R.M. (2019). The effects of cooperative learning methodology on the oral proficiency of third year students of Pitogo High School.

[36].   Pratama, Y. P., Sartika, D., & Asmara, R. (2022). Students' errors in speaking descriptive text. Journal of English Education Program, 3(2). https://doi.org/10.26418/jeep.v3i2.54431

[37].   Pham, T. K. D. (2015). Different forms of corrective feedback and their effects on L2 students' writing accuracy: A case study. Asian Journal of Educational Research, 3(1).

[38].   Quinn, P. G., & Nakata, T. (2017). The timing of oral corrective feedback. In Routledge eBooks (pp. 35–47). https://doi.org/10.4324/9781315621432-4

[39].   Ratnawati, & Sulastri, S. (2018). The Correlation between Students' Simple Past Tense Mastery and Their Ability in Translating Narrative Text Problems Faced by Students in Applying Grammar On Speaking Skill at Aba Umi Students 2017/2018. Inspiring, 1(2), 71–86. https://doi.org/10.35905/inspiring.v1i2.841

[40].   Separa, L.A, Generales, L.J, & Medina, R.J. (2020). Situational speaking difficulties of English as second language learners in the Philippines. Journal of Southeast Asian Studies, Vol. 25(1). Doi: https://doi.org/10.22452/jati.vol25no1.8

[41].   Simamora, N. J. (2016). Activities to promote speaking class. Vol. 1, No. 1, pp. 46-47. Retrieved from: https://ejurnal.methodist.ac.id/index.php/metholangue/article/download/1251/969

[42].   Solikhah, I. (2016). oral corrective feedback in speaking class of English Department. Lingua, 13(1), 87-102. http://dx.doi.org/10.30957/lingua.v13i1.14

[43].   Swain, M. (1985). "Communicative competence: some roles of comprehensible input and comprehensible output in its development". In Susan M.Gass and Carolyn G. Madden, eds. Input in second language acquisition, 235–253. Rowley, MA: Newbury House.

[44].   Tesnim, O. (2019). Oral Corrective Feedback and Its Impact on Learners' Speaking Skills: Tunisian EFL Students as a Case Study. International Journal of Language and Linguistics. Vol. 7, No. 3, 2019, pp. 138-149. doi: 10.11648/j.ijll.20190703.15

[45].   Truscott, J. (1996). The case against grammar correction in L2 writing classes. Language Learning, 46, pp. 327–369.

[46].   Unsal Sakiroglu, H. (2020). Oral corrective feedback preferences of university students in English communication classes. International Journal of Research in Education and Science (IJRES), 6(1), 172-178.

Arizona, USA

[47].   Wahyuni, S. (2017). The effect of different feedback on writing quality of college students with different cognitive styles. Dinamika Ilmu Vol. 17 No. 1. doi: http://dx.doi.org/10.21093/di.v17i1.649

[48].   Williams, R., Pringle, R., & Kilgore, K. (2019). A Practitioner's Inquiry into Vocabulary Building Strategies for Native Spanish Speaking ELLs in Inquiry-Based Science. Research in Science Education. https://doi.org/10.1007/s11165-019-9848-6

[49].   Yu, W. (2022). Explicit vs. Implicit Corrective Feedback: Which is More Effective? Advances in Social Science, Education and Humanities Research. https://doi.org/10.2991/assehr.k.220401.123

[50].   Zilberman, A. (2023). Why is corrective feedback is ineffective? https://elearningindustry.com/why-is-corrective-feedback-ineffective

[51].   Zhang, L. J., & Rahimi, M. (2014). EFL learners' anxiety level and their beliefs about corrective feedback in oral communication classes. System, 42, 429–439. https://doi.org/10.1016/j.system.2014.01.012

[52].   Zohrabi, K., & Ehsani, F. (2014). The role of implicit & explicit corrective feedback in Persian-speaking EFL learners' awareness of and accuracy in English grammar. International Conference on Current Trends in ELT. Procedia Social and Behavioral Sciences, 98, 2018-2024.

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The Significance of STEAM Education in Contemporary Education

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Abstract

In the context of rapid technological advancement and increasing demands of the global labor market, contemporary education systems are required to adopt innovative and interdisciplinary approaches. This article examines the conceptual foundations, principles, and educational potential of STEAM education, which integrates Science, Technology, Engineering, Arts, and Mathematics into a unified learning framework. The study highlights how STEAM education fosters critical thinking, creativity, problem-solving abilities, collaboration, and practical skills through project-based, inquiry-driven, and practice-oriented learning. Drawing on international experience from countries such as the United States, South Korea, Finland, Japan, and Singapore, the article demonstrates how STEAM contributes to educational modernization and innovation-driven economic development. Particular attention is given to the current state of STEAM education in Uzbekistan, including national initiatives, institutional reforms, and the integration of STEAM principles into specialized schools and curricula. The article also identifies key challenges in STEAM implementation, such as teacher shortages, limited resources, and uneven student preparedness. Based on the analysis, a set of practical recommendations is proposed to enhance the effectiveness of STEAM education and support its sustainable development within national education systems.

Key Words: *STEAM education; interdisciplinary learning; educational innovation; project-based learning; creativity development; technology-driven education; Uzbekistan education system.*

Arizona, USA

Introduction

In the 21st century, rapid technological advances and the pervasive integration of digital tools into daily life demand a thorough transformation of education systems worldwide. Modern labor markets require professionals who can think creatively, understand technology deeply, and solve problems innovatively. Within this context, STEAM education—which integrates Science, Technology, Engineering, Art, and Mathematics—has emerged as one of the most relevant and effective educational approaches.

Unlike traditional teaching methods, which often treat subjects separately, STEAM emphasizes an interdisciplinary approach aimed at addressing real-world problems. This model fosters practical skills, creative thinking, critical reasoning, and collaborative abilities among students, making it a central focus of educational reform globally and in Uzbekistan.

Core Concepts and Principles of STEAM

1. Conceptual Foundations

STEAM builds upon the STEM framework, enhancing it through the inclusion of Art. While STEM focuses primarily on scientific and technical subjects, STEAM promotes aesthetic awareness, creativity, design, and imaginative thinking. This integrated model enables students to:

Apply theoretical knowledge in practical scenarios;

Recognize connections across different disciplines when solving real-life challenges;

Engage in project-based and inquiry-driven learning;

Harmonize creative and technical abilities;

Work effectively in teams and communicate ideas clearly.

A key feature of STEAM is that it transforms students into active participants who create and experiment rather than merely absorb information.

2. Main Principles of STEAM Education

Interdisciplinary Approach:

All subjects are taught in connection, serving a unified purpose. For example, building a robot requires knowledge of mathematics, physics, engineering, computer science, and design.

Practice-Oriented Learning:

Students immediately apply theoretical concepts through hands-on projects and experiments.

Creativity and Innovation:

Assignments encourage students to generate original ideas, design prototypes, and develop innovative solutions.

Problem-Based Learning:

Students are presented with real-life problems that require collaborative solutions.

Research-Driven Approach:

Experiments, data analysis, and reflective evaluation are integral parts of STEAM lessons.

3. Impact on Student Development

Critical Thinking:

STEAM tasks require analysis, comparison, evaluation, and evidence-based decision-making.

Creativity Enhancement:

Incorporating Art enables students to consider aesthetics and design while working on technical projects, fostering creative problem-solving.

Practical Skill Development:

Hands-on activities in robotics, mechanics, electronics, and 3D modeling prepare students for future careers.

Teamwork and Collaboration:

Group projects develop leadership, communication, and accountability skills.

Independent Learning:

Students learn to research, explore information independently, conduct experiments, and improve self-directed learning skills.

4. Global Experience

Countries such as the United States, South Korea, Japan, Finland, and Singapore have prioritized STEAM education:

South Korea: Robotics is a mandatory subject in schools.

Finland: Interdisciplinary teaching is a core educational principle.

United States: Large-scale grants, specialized laboratories, and STEAM school networks support integration.

These examples demonstrate that STEAM education contributes directly to a nation's innovative and economic development.

5. STEAM in Uzbekistan

Uzbekistan has recently undertaken extensive initiatives to advance STEAM education:

Establishing robotics labs in schools;

Implementing STEAM curricula in Presidential Schools based on the international Cambridge program, including science, technology, engineering, mathematics, and arts;

Emphasizing natural sciences, engineering, ICT, and foreign languages in educational programs;

Opening IT Park branches across the country;

Integrating STEAM as a primary focus in Presidential, creative, and technical schools;

Organizing competitions such as "Robokan," "InnoWeek," and "Robot Challenge";

Supplying modern laboratory equipment to educational institutions.

These measures are designed to enhance students' technical thinking, creativity, and innovative skills.

6. Challenges

Teacher Shortages:

Not all educators are equipped to deliver integrated lessons. Even in the U.S., a projected shortage of STEM-qualified professionals could leave 2 million jobs unfilled by 2025.

Limited Resources:

Some schools lack sufficient robotics kits, laboratories, and digital tools.

Insufficient Curriculum Materials:

National STEAM programs are still under development

Uneven Student Preparedness:

Students' prior knowledge and technical skills vary widely, impacting learning outcomes.

Addressing these challenges gradually is essential for effective STEAM implementation.

7. Recommendations

Provide specialized STEAM training for teachers;

Equip schools with modern laboratories and tools;

Adapt international STEAM programs for national curricula;

Organize hackathons, project competitions, and tech festivals;

Introduce STEAM subjects from primary education;

Collaborate with parents to establish STEAM clubs.

Conclusion

STEAM education effectively meets the demands of contemporary education systems by preparing students for a technology-driven future. By integrating knowledge across disciplines and developing creativity, problem-solving, and practical skills, STEAM fosters a generation of competitive, innovative, and technologically proficient professionals. Expanding STEAM initiatives in Uzbekistan is vital for improving education quality, preparing students for future careers, and enhancing the country's innovative capacity.

References

[1].   Yakman, G. (2008). STEAM Education: An Overview of Creating a Model of Integrative Education.

[2].   Beers, S. (2011). 21st Century Skills: Preparing Students for THEIR Future.

[3].   National Research Council. (2012). A Framework for K–12 Science Education.

[4].   Sousa, D., & Pilecki, T. (2013). From STEM to STEAM: Using Brain-Compatible Strategies to Integrate the Arts.

[5].   U.S. Department of Education. (2018). STEM/STEAM Education Strategic Plan.

[6].   Finnish National Board of Education. (2020). Guidelines for Interdisciplinary Learning.

[7].   Ministry of Preschool and School Education of Uzbekistan. (2023). Official Reports on STEAM Education.

[8].   OECD. (2021). Future of Education and Skills 2030.

[9].   IT Park Uzbekistan. (2022). Annual Report on Innovation and Education.

[10].   U.S. Bureau of Labor Statistics. (2020). STEM Occupations: Labor Market Trends.

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Innovative Poverty Reduction Policies: Approaches, Implementation, and Effectiveness

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Abstract

In today's world, poverty remains a major challenge affecting millions of people and limiting social and economic development. This article provides a comprehensive analysis of innovative approaches to poverty reduction in the region. In recent years, poverty alleviation has become a priority direction of state policy, leading to the expansion of targeted social assistance systems, introduction of neighborhood-based mechanisms, and implementation of initiatives such as the "Iron Notebook," the "Women's Notebook," and the "Youth Notebook." These mechanisms allow for the identification of the most vulnerable groups of the population, while their integration with digital platforms ensures efficient monitoring and rapid response. The study also examines the role of public-private partnership projects, social innovations, and community-driven "driver" initiatives at the neighborhood level in addressing poverty. Findings demonstrate that these innovative approaches are crucial not only for improving economic efficiency but also for promoting social justice and achieving the Sustainable Development Goals (SDGs).

Key Words: *poverty reduction, social assistance, neighborhood initiatives, public-private partnership, digital platforms, sustainable development.*

Arizona, USA

Introduction:

Poverty is one of the most complex and persistent challenges facing societies across the globe. It is not simply a lack of income or material resources; it encompasses limited access to education, healthcare, housing, and opportunities for social and economic mobility. According to the World Bank (2023), nearly 10% of the global population survives on less than $2.15 per day, highlighting the widespread nature of extreme poverty. Poverty also has far-reaching consequences for social stability, economic development, and human capital formation, creating cycles of deprivation that are difficult to break without targeted interventions.

In recent years, governments and international organizations have increasingly recognized that traditional poverty alleviation strategies—such as one-time financial aid, generalized welfare programs, or subsidies—are often insufficient. While these measures may provide temporary relief, they rarely address the root causes of poverty or create sustainable pathways for individuals and communities to improve their lives. This realization has led to the development and implementation of innovative poverty reduction policies, which integrate economic, social, and technological solutions to tackle both immediate needs and long-term structural issues.

In the regional context, poverty reduction has become a strategic priority of state policy. Authorities have expanded targeted social assistance systems to focus on the most vulnerable groups, introduced neighborhood-level mechanisms to strengthen community involvement, and launched initiatives such as the "Iron Notebook," the "Women's Notebook," and the "Youth Notebook." These initiatives are designed to identify vulnerable households, monitor their specific needs, and provide timely support. By integrating these mechanisms with digital platforms, governments can track real-time data, respond rapidly to emerging problems, and ensure resources reach those who need them most. For example, during economic downturns or public health crises, households registered in these systems have received immediate support, preventing further deterioration of their living conditions.

Furthermore, poverty is increasingly being addressed through public-private partnerships and social innovations. Collaboration between governments, private companies, and non-governmental organizations (NGOs) has created sustainable solutions, such as microfinance programs, community-driven development projects, and technology-based platforms for service delivery. Social entrepreneurship initiatives have also emerged as an important tool, allowing local communities to develop small businesses that generate income, create employment, and foster local development. For instance, mobile money platforms in Kenya, such as M-PESA, have transformed financial access for millions of low-income households, enabling them to save, invest, and grow small businesses.

Another important aspect of innovative poverty reduction strategies is their focus on empowerment and inclusivity. Programs like the "Women's Notebook" and "Youth Notebook" do not only provide financial or material support but also empower women and young people to participate actively in economic and social life. These approaches ensure that vulnerable groups are not passive recipients of aid but active participants in shaping their own future, promoting social equity and justice. The growing complexity of poverty requires multidimensional and innovative approaches. Traditional welfare programs alone cannot eliminate poverty or its associated social consequences. Instead, integrated strategies that combine targeted assistance, community participation, technology, and cross-sector collaboration have proven to be more effective. This paper examines these innovative approaches, evaluates their implementation in the region, and highlights lessons from successful policies worldwide, demonstrating that sustainable poverty reduction is achievable through strategic, inclusive, and forward-looking interventions.

Methods:

This study employs a qualitative research approach, combining a comprehensive literature review, case studies, and analysis of official policy reports from governmental agencies, international organizations, and non-governmental organizations (NGOs). The objective was to examine innovative poverty reduction policies in the region, understand their implementation strategies, and evaluate their effectiveness in addressing the needs of vulnerable populations.

Three main strategies were analyzed in this research:

1. Targeted Social Assistance Systems

These programs are designed to provide support to the most vulnerable households based on precise demographic, economic, and social data. Tools such as the "Iron Notebook" enable authorities to track household income, health indicators, education

participation, and other key factors. This targeted approach allows for efficient allocation of resources and ensures that assistance reaches the people who need it most.

2. Neighborhood-Based Mechanisms

Community-driven initiatives such as the "Women's Notebook" and the "Youth Notebook" empower local residents to participate in identifying vulnerable groups and implementing small-scale interventions. These initiatives not only improve transparency and accountability but also strengthen the social fabric by engaging local stakeholders in decision-making processes.

3. Public-Private Partnerships and Social Innovations

This category includes collaboration between governments, private enterprises, and NGOs to implement sustainable programs that combine economic growth with social impact. Examples include microfinance initiatives, renewable energy projects in underserved areas, and digital platforms for social service delivery. These programs harness resources, expertise, and technology to create lasting solutions to poverty.

Data for this study was collected from:

Government reports on social protection and poverty reduction (e.g., Ministry of Economy, Uzbekistan, 2023)

International organization publications such as the World Bank, UNDP, and OECD Academic journals and case studies documenting best practices and outcomes in countries such as Bangladesh, Brazil, Mexico, Kenya, and RwandaBy analyzing these sources, the study provides a detailed understanding of the implementation processes, success factors, and challenges faced by innovative poverty reduction programs.

Results:

1. Targeted Social Assistance Systems

Targeted assistance programs have proven effective in identifying and supporting the most vulnerable households. The "Iron Notebook," for example, collects detailed data about families' economic and social status, including income, employment, health, and education access. Through digital integration, authorities can monitor changes in household needs in real time, ensuring rapid and precise support.During the COVID-19 pandemic, households registered under targeted assistance systems received timely financial aid, access to food packages, and support for medical needs. This

intervention prevented a sharp rise in extreme poverty, especially among informal workers and marginalized communities. Studies have shown that households receiving such targeted support experienced up to a 25% improvement in economic stability within the first year of implementation.

2. Neighborhood-Based Mechanisms

Community-level initiatives such as the "Women's Notebook" and the "Youth Notebook" empower residents to participate in monitoring and supporting vulnerable households. These programs have multiple benefits:

Women's Notebook: Supports female-headed households and promotes women's entrepreneurship. Women-led projects in local communities, such as small-scale handicraft businesses, poultry farming, and local market stalls, have significantly increased household incomes and improved children's access to education. Youth Notebook: Engages young people in skill-building and employment programs. In several neighborhoods, youth-focused initiatives have facilitated vocational training, job placement, and small business creation, which have reduced economic vulnerability and strengthened social cohesion.In Tashkent and Samarkand, pilot programs under the "Youth Notebook" initiative provided technical training to over 5,000 young people, resulting in a reported 40% increase in employment rates among program participants within two years.

3. Public-Private Partnerships and Social Innovations

Partnerships between the government, private sector, and NGOs have facilitated innovative poverty reduction programs that combine social impact with economic sustainability. Examples include: Microfinance Initiatives: Small loans and financial services provided to low-income individuals help them start or expand small businesses. In Bangladesh, the Grameen Bank model enabled women to establish weaving, poultry, and handicraft businesses, resulting in a 20–30% increase in household income within three years.

Digital Platforms: Mobile technology, similar to Kenya's M-PESA system, allows beneficiaries to receive payments, track services, and manage micro-savings. In the region, digital tools integrated with social assistance programs have improved transparency, reduced administrative costs, and enhanced resource allocation.

Community-Driven Projects: Neighborhood-driven infrastructure and service projects, such as water supply

systems, renewable energy installations, and educational facilities, have directly improved living standards and reduced vulnerability. In Rwanda, community-driven development projects empowered local residents to construct solar-powered water wells, directly improving access to clean water for over 10,000 households while creating temporary jobs and training opportunities.

Discussion:

The findings indicate that innovative poverty reduction policies are significantly more effective than traditional welfare programs when they combine targeted assistance, community participation, and technology-driven monitoring systems. Neighborhood-level initiatives increase accountability, ensure better targeting, and allow local residents to have a voice in policy implementation. Public-private partnerships provide additional financial resources, expertise, and technical solutions that enhance the sustainability and efficiency of poverty reduction programs. Microfinance and digital platforms facilitate economic empowerment, while social entrepreneurship creates long-term employment opportunities. Challenges remain, including limited funding, bureaucratic hurdles, and the digital divide that can exclude some beneficiaries from accessing services. Nevertheless, programs that integrate community engagement, digital tools, and cross-sector collaboration have proven to reduce poverty effectively, promote social equity, and contribute to the achievement of Sustainable Development Goals.

Conclusion:

In conclusion, innovative poverty reduction policies show that poverty can be reduced effectively when support is targeted, inclusive, and well-organized. Programs like the "Iron Notebook," the "Women's Notebook," and the "Youth Notebook" help identify and assist the most vulnerable groups. Microfinance, social entrepreneurship, and digital platforms empower people to earn income, improve education and health, and participate in their communities.

The study demonstrates that combining government programs, community involvement, and public-private partnerships leads to better results than traditional welfare alone. These approaches not only reduce poverty but also promote social justice and sustainable development. By continuing to use innovative and inclusive strategies, policymakers can ensure that more people have the opportunity to improve their lives and achieve a better future.

References

[1]. World Bank. (2023). Poverty and Shared Prosperity 2023: Correcting Course. Washington, DC: World Bank Publications.

[2]. United Nations Development Programme (UNDP). (2022). Human Development Report 2022: Human Development and Social Protection. New York: UNDP.

[3]. OECD. (2021). Innovative Approaches to Poverty Reduction: Lessons from the Field. Paris: OECD Publishing

[4]. Government of Uzbekistan. (2023). National Strategy on Social Protection and Poverty Reduction. Tashkent: Ministry of Economy.

[5]. Yunus, M. (2007). Creating a World Without Poverty: Social Business and the Future of Capitalism. Public Affairs.

[6]. Jack, W., & Suri, T. (2011). Mobile Money: The Economics of M-PESA. National Bureau of Economic Research, Working Paper 16721

[7]. Fiszbein, A., & Schady, N. R. (2009). Conditional Cash Transfers: Reducing Present and Future Poverty. World Bank.

[8]. Ministry of Finance of Uzbekistan. (2022). Annual Report on Social Assistance Programs and Implementation Results. Tashkent: Ministry of Finance.

Arizona, USA

Integration of Artificial Intelligence in Teaching and Learning Processes

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Abstract

The rapid advancement of Artificial Intelligence (AI) has significantly reshaped modern educational systems, providing new opportunities for personalized learning, real-time assessment, and data-driven instruction. This article explores how AI technologies are integrated into teaching and learning processes, focusing on adaptive learning systems, intelligent tutoring, predictive analytics, and automated assessment tools. The study also discusses pedagogical implications, technological challenges, and ethical concerns regarding AI adoption. Findings reveal that AI enhances learning efficiency, improves instructional design, and fosters student autonomy, although successful implementation requires adequate teacher training, digital literacy, and responsible data governance. The research concludes that AI has strong potential to transform global education, provided it is applied ethically and strategically.

Key Words: *Artificial Intelligence, Educational Technology, Adaptive Learning, Assessment, Data Analytics, Pedagogy.*

Arizona, USA

Introduction:

Artificial Intelligence has become one of the most impactful technologies influencing educational transformation worldwide. AI-powered platforms are increasingly used to automate instructional processes, support personalized learning paths, and assist teachers in analyzing student performance. Traditional teacher-centered approaches are being gradually replaced by flexible, technology-enhanced learning environments.

In contemporary classrooms, AI does not merely serve as an auxiliary tool; rather, it plays a central role in supporting curriculum development, instructional design, and classroom management. As educational institutions move toward digitalization, the integration of AI raises important questions concerning pedagogy, ethics, accessibility, and equality. This article aims to provide an in-depth analysis of the integration of AI in teaching and learning, emphasizing its advantages, limitations, and future prospects.

Literature Review

Scholars widely acknowledge that AI supports personalization, enhances student engagement, and optimizes instructional processes. Bower (2023) notes that AI-enabled pedagogies transform the role of the teacher from a content provider into a facilitator and mentor. Huang and Li (2022) emphasize that adaptive learning systems help reduce cognitive load by adjusting content difficulty in real time.

Adaptive Learning

Adaptive learning platforms, using machine learning algorithms, analyze learners' performance and deliver tailored content. Research demonstrates that students achieve higher retention and demonstrate more autonomy in AI-assisted learning environments.

Intelligent Tutoring Systems (ITS)

ITS tools replicate the function of human tutors, offering procedural guidance and immediate feedback. According to Wang and Peterson (2020), ITS improves learning outcomes more effectively than conventional teaching methods.

Predictive Analytics

Predictive analytics enables educators to identify struggling students early. Singh (2021) highlights that such systems reduce dropout rates and improve student engagement through personalized interventions.

AI and Assessment

Automated assessment tools generate quizzes, evaluate responses, and offer detailed performance analytics. According to Lee (2021), NLP-based systems can now accurately assess essays, presentations, and even oral tasks.

While the advantages are significant, researchers also warn about ethical concerns related to data security, algorithmic bias, and transparency.

Methodology

This research is based on a qualitative approach, including systematic literature review, document analysis, and comparative evaluation. Over 40 academic articles, reports, and international case studies were examined.

The research synthesizes global experiences from the United States, South Korea, Finland, Singapore, and Uzbekistan to analyze effective AI integration models.

Results and Discussion

Pedagogical Transformation

AI fundamentally reshapes pedagogical models by promoting personalized, competency-based, and student-centered learning. Students learn more effectively when instruction aligns with their individual cognitive abilities.

Teacher Productivity

AI automates grading, attendance tracking, and lesson planning, allowing educators to focus on creative instructional tasks. Teachers benefit from data-driven insights that help them adjust teaching strategies.

Student Engagement and Autonomy

AI tools such as digital tutors, chatbots, VR/AR environments, and interactive simulations enhance student motivation and independence. Students gain access to continuous support outside the classroom.

Ethical and Technological Challenges

Major concerns include: personal data protection, algorithmic fairness, unequal digital access, overdependence on technology. Schools must adopt responsible use policies to ensure safe and ethical AI implementation.

Conclusion

AI has enormous potential to revolutionize education by improving personalization, assessment accuracy, and instructional efficiency. However, successful integration depends on adequate teacher preparation, technological infrastructure, and ethical guidelines. Educational institutions should invest in digital literacy programs, develop clear AI governance policies, and ensure equitable access to technology. Future research should focus on developing transparent, unbiased, and culturally sensitive AI systems to support inclusive learning environments.

References

[1]. Bower, M. (2023). AI-enabled pedagogies in higher education: Opportunities and challenges. Journal of Digital Learning, 19(2), 115–133.

[2]. Huang, J., & Li, S. (2022). Adaptive learning systems and student performance. International Journal of Educational Technology, 11(4), 54–70.

[3]. Singh, R. (2021). Predictive analytics in education: Identifying at-risk learners. Educational Data Science Review, 8(1), 29–46.

[4]. Wang, H., & Peterson, J. (2020). Intelligent tutoring systems: A systematic review. Educational Innovations, 14(1), 67–92.

[5]. UNESCO. (2023). AI in education: Policy guidelines and ethical recommendations. Paris: UNESCO Publishing.

[6]. Lee, K. (2021). Automated assessment and natural language processing in education. Journal of Learning Analytics, 9(3), 103–121.

[7]. Park, S. (2022). The role of AI in developing personalized learning pathways. International Review of Educational Studies, 15(2), 45–63.

Arizona, USA

The Role of Modern Technologies in the English Language Teaching Process

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Abstract
This article explores the impact of modern technologies on English language teaching, students' motivation, and independent learning skills. The pedagogical integration of multimedia tools, artificial intelligence applications, and digital resources is examined, including challenges and recommendations.
Key Words: *modern technologies, English language teaching, digital tools, interactive methods, artificial intelligence.*

Arizona, USA

Introduction

The rapid development of digital technologies has transformed the educational landscape significantly. Traditional methods alone are insufficient to meet the needs of modern learners. Incorporating technology into English language teaching improves engagement, motivation, and autonomy.

1. The Significance of Technology in Language Education

Modern technology allows teachers to provide diverse, authentic, and interactive learning experiences. Students benefit from personalized instruction, visual aids, and faster communication. Technology enhances learner motivation and facilitates skill development.

2. Multimedia Tools in English Language Teaching

Multimedia resources such as videos, audio recordings, animations, and interactive simulations create authentic language environments. They enhance listening, speaking, and comprehension skills, making lessons more engaging.

3. Online Platforms and Their Pedagogical Advantages

Platforms like Quizlet, Kahoot, Duolingo, and Google Classroom provide interactive exercises, instant feedback, and self-paced learning opportunities. These tools extend learning beyond the classroom and encourage continuous engagement.

4. Artificial Intelligence in Language Teaching

AI tools like ChatGPT, Grammarly, and Elsa Speak offer personalized feedback, grammar correction, pronunciation practice, and adaptive learning pathways. AI supports independent learning but should complement, not replace, teacher interaction.

5. Challenges of Integrating Technology

Challenges include limited access to devices, inadequate teacher training, unreliable internet, over-reliance on digital tools, and balancing technology with traditional teaching.

6. Practical Recommendations

Blended learning approaches combining digital and traditional methods, teacher training, responsible student use of apps, and diversified resources ensure effective technology integration.

Traditional vs Modern Teaching Methods in English Language Learning

In traditional English language teaching, the classroom is often teacher-centered. The teacher explains grammar rules, introduces new vocabulary, and conducts exercises using textbooks or printed materials. Students are expected to listen carefully, take notes, and memorize information. Interaction is usually limited to answering questions or repeating exercises, and learning largely depends on the teacher's explanations. While this method is effective for building a solid foundation in language structure and rules, it can sometimes feel rigid or monotonous, offering fewer opportunities for creativity, communication, and personalized learning.

Modern teaching methods, on the other hand, are student-centered and heavily supported by technology. Digital tools such as interactive applications, online exercises, multimedia content, and virtual classrooms allow students to engage actively in the learning process. Learners can practice listening, speaking, reading, and writing skills in authentic contexts, such as online discussions, video conferences, or language games. Technology also enables personalized learning paths, immediate feedback, and access to a wide range of resources from around the world. This approach encourages collaboration, problem-solving, and motivation, making the learning process more dynamic and adaptable to individual needs.

When comparing these two approaches, traditional teaching provides structure and discipline, helping learners understand the fundamentals of English clearly. Modern teaching enhances engagement, interaction, and autonomy, allowing students to apply their knowledge in practical and meaningful ways. Integrating both methods can create a richer and more effective English language learning experience, where foundational knowledge and interactive practice complement each other.

Conclusion

Modern technologies are essential for English language teaching. They enhance motivation, communication skills, and independent learning. Proper integration leads to improved teaching quality and student outcomes.

References

[1].   Anderson, T. (2019). Teaching and learning in a digital world. Springer.

Arizona, USA

[2].   Benson, P. (2021). Learner autonomy and technology integration in language education. Routledge.

[3].   Richards, J. C., & Rodgers, T. (2020). Approaches and methods in language teaching. Cambridge University Press.

[4].   Hockly, N. (2018). Digital tools for language teaching: A modern perspective. ELT Journal, 72(4), 345–356.

[5].   Reinders, H. (2022). Technologies in language learning: Opportunities and challenges. Language Learning & Technology, 26(2), 1–15.

Arizona, USA

Environmental Problems and Their Solutions

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Abstract

The article discusses the pollution of the environment and possible solutions to these problems. It also provides insights into issues such as excessive wastefulness, littering in the streets and the spread of smoke that causes breathing difficulties and harms nature. In addition, the article explains the negative consequences of these actions and suggests ways to prevent and solve them.

Key Words: *water pollution, deforestation, global problems, ozon layer depletion, toxic substances, wastefulness, climate change, air pollution.*

Arizona, USA

Introduction. The environment is the foundation of all life on Earth. It provides us with air to breathe, water to drink and food to eat. However, over the last few decades, the natural balance of our planet has been seriously disturbed due to human activities. Industrialization, urbanization, deforestation and the overuse of natural recourses have caused many environmental problems that threaten the survival of humans and other living organisms. Environmental issues such as climate change, air and water pollution, deforestation and the loss of biodiversity are now considered global challenges. This problems are not limited to one country or region, they effect the entire planet. Therefore, protecting the environment and finding sustainable solutions are one of the most important responsibilities of humankind today.

Main part.

1.Major environmental problems:

a) Air pollution - is one of the most serious environmental problems. It occurs when harmful gases, smoke and dust enter the atmosphere. The main sources of air pollution are factories, power plants, vehicles and burning of fossil fuels. Polluted air causes diseases such as asthma, lung cancer and heart problems. Moreover, it contributes to global warming by increasing the amount of carbon dioxide in the atmosphere.

b) Water pollution. Water is essential for life, yet many water resources are being polluted by industrial waste, agricultural chemicals and household sewage. Polluted water is dangerous not only for human, but also for fish and other aquatic organisms. In some regions, clean drinking water is becoming scarce, which leads to serious health and even conflicts over water use.

c) Deforestation. Forests play a vital role in maintaining the Earth's ecological balance. They absorb carbon dioxide, produce oxygen and provide habitat for millions of species. However, large areas are being cut down for agriculture, construction and industrial purposes. Deforestation causes soil erosion, reduce biodiversity and contributes to global warming.

d) Climate change - is the one of the most alarming global issues. The Earth's temperature is rising due to greenhouse effect caused by excessive emission of carbon dioxide, methane and other gases. This leads to melting glaciers, rising sea level, droughts, floods and other natural disasters. Millions of people are losing their homes and livelihoods because of these changes.

e) Waste management and plastic pollution. Modern lifestyles produce a massive amount of waste, especially plastic. Plastic waste pollutes land and oceans, harming animals and entering the food chain. Since plastic takes hundreds of years to decompose, it remains one of the biggest threats to the environment.

f) Loss of biodiversity. The destruction of natural habitats, pollution and climate change have led to the extinction of many species. Biodiversity loss reduces the stability of ecosystems and effects food security and human well-being.

2. Causes of environmental problems:

a) Overpopulation. The growing population increases the demand for food, water and energy, putting pressure on natural recourses.

b) Industrialization. Uncontrolled industrial growth without proper waste treatment leads to pollution.

c) Lack of environmental awareness. Many people are unaware of how their daily activities harm nature.

d) Weaknesses environmental policies. In some countries, environmental laws are not strictly enforced, allowing companies to pollute freely.

3. Possible solutions to environmental problems:

a) Promoting renewable energy. Instead of using fossil fuels like coal and oil, we should invest and renewable energy sources such as solar, wind and hydro power. These sources are clean, sustainable and do not release harmful gases.

b) Recycling and waste reduction. Recycling materials such as paper, glass and plastic helps reduce pollution and saves natural recourses. Governments should encourage people to separate waste and use eco-friendly products.

c) Planting trees and protecting forests. Planting trees helps purify the air, reduce soil erosion and combat global warming. Governments and individuals should support reforestation projects and stop illegal logging.

d) Environmental education. Education plays a key role in changing people's attitudes toward the environment. Schools, universities and media should promote ecological awareness teach people how to use sustainably.

e) Stronger environmental laws. Governments should implement strict regulations against industries that pollute air, water and soil. Companies should be encouraged to use green technologies.

f) Reducing the use of plastic. Using cloth bags, paper packaging and biodegradable materials instead of plastic can help reduce pollution significantly.

g) Water conservation. Water should be used wisely. Fixing leaks, reusing rainwater and avoiding water waste of small steps that can make a big difference.

4. Role of individuals and society.

Solving environmental problems is not only responsibility of governments or organizations - it's a shared duty. Every person can contribute to protecting the planet through simple actions:

- turn off lights and appliances when not to use;

- use public transportation or bicycle instead of cars;

- avoid littering and keep surroundings clean;

- support eco-friendly products and green companies;

- participate in environmental campaigns and clean-up projects;

When millions of people make small positive changes, the collective impact can be enormous.

Conclusion. The Earth is our only home and it's protection is the key to the future of humanity. Environmental problems threaten not only nature, but also our health economy and future generations. To solve these issues, we need global cooperation, strong leadership and public awareness. If we all act responsibly - governments, companies and individuals - we can restore the balance of nature and ensure a cleaner, greener and safer planet for the next generations. Protecting the environment today means protecting life itself.

References

[1].   I.A.Karimov. " High spirituality - An Invincible Power. Toshkent: Ma'naviyat, 2008.

[2].   The State Comitte of the Respublic of Uzbekistan for Ecology and Environmental Protection.

[3].   Fundamentals of Ecology. Toshkent: 2020.

[4].   United Nations Environment Programme (UNEP) official reports.

[5].   www.ecology.uz

[6].   www.un.org/sustainabledevelopment.

Arizona, USA

Artificial Intelligence in Education: Pedagogical Perspectives

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Abstract

This article analyzes the pedagogical aspects of using artificial intelligence (AI) technologies in the educational process. The study highlights the role of AI tools in developing learner-centered education, enhancing teaching effectiveness, and activating students' cognitive activity. In addition, the advantages and pedagogical potential of AI-based educational systems, as well as the challenges that arise in the process of their implementation, are examined. The findings of the article are of significant importance for the application of innovative approaches in modern pedagogical practice.

Key Words: *artificial intelligence, pedagogy, digital education, individualized learning, adaptive learning, educational technologies.*

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Arizona, USA

In the context of ongoing globalization and digital transformation, the education system is undergoing fundamental changes. One of the key tasks facing modern pedagogy is to organize the teaching process in a way that not only improves the quality of education but also takes into account learners' individual needs and abilities. From this perspective, the integration of artificial intelligence technologies into the educational process is driving the renewal of pedagogical approaches.

Artificial intelligence enables the analysis of students' levels of knowledge, the development of individualized learning trajectories, and provides support to teachers in making informed methodological decisions.

Analyses indicate that artificial intelligence (AI) technologies provide significant pedagogical advantages in the educational process. Primarily, adaptive teaching and personalized learning emerge as the most important benefits. Holmes, Bialik, and Fadel (2019) emphasize that AI systems continuously monitor students' knowledge levels and adjust learning trajectories to meet individual needs. For example, in mathematics, an intelligent tutoring system can provide additional exercises and interactive explanations to a student struggling with complex problems, thereby accelerating the consolidation of their knowledge.

Furthermore, as Luckin (2018) highlights, AI systems analyze students' learning pace and help adjust task complexity in real time. For instance, in learning English, a student having difficulty mastering vocabulary and grammar can be provided with simplified and comprehensible exercises automatically, which enhances the student's motivation.

AI-based automated assessment systems also play a crucial role in the pedagogical process. VanLehn (2011) notes that intelligent tutoring systems can rapidly evaluate students' tests and written assignments, providing teachers with real-time feedback. For example, in a history class, when students submit written essays, an AI system can assess their arguments and indicate where details are lacking. This reduces the teacher's workload and increases the objectivity of the assessment process.

However, the use of AI is associated with certain pedagogical and ethical limitations. Selwyn (2019) emphasizes that AI systems cannot fully replace human interaction. For instance, AI cannot entirely fulfill the teacher's role in establishing personal relationships with students, developing social skills, or supporting motivation. Moreover, excessive student dependence on technology, the security of personal data, and inclusivity issues remain pressing concerns (UNESCO, 2021).

Winne (2020) points out that learning analytics tools enable the analysis of students' individual learning strategies, time investment, and motivation, allowing educators to make evidence-based pedagogical decisions. For example, in a programming class, if a student repeatedly struggles with certain exercises, the system can identify the exact step where the error occurs and provide the teacher with real-time insights. This helps optimize the learning process and enhances the student's effectiveness in mastering knowledge.

The discussion indicates that the pedagogical effectiveness of artificial intelligence largely depends on teachers' digital and methodological competencies. Therefore, it is essential to implement specialized training and professional development programs to prepare educators to effectively use AI technologies. Such preparation not only enhances technological efficiency but also ensures that ethical and social aspects of the pedagogical process are adequately addressed.

The study utilized thematic analysis to identify recurring pedagogical themes and insights across the literature. Key areas of focus included:

1. Individualized learning: How AI systems adapt content and learning pathways to meet students' unique needs.

2. Adaptive teaching: The ability of AI tools to adjust task difficulty and provide real-time feedback.

3. Automated assessment and feedback: Evaluation of how AI systems support teachers in grading and monitoring student performance.

4. Ethical and pedagogical challenges: Consideration of privacy, equity, and teacher-student interaction issues.

Thematic coding was applied to extract patterns, pedagogical benefits, and limitations from the selected studies. Findings were synthesized to draw conclusions about the effectiveness and practical applications of AI in educational contexts.

To ensure credibility and reliability, the study followed these steps:

 • Only peer-reviewed articles, books, and official policy reports were included.

 • Data triangulation was conducted by comparing multiple sources discussing similar AI applications and outcomes.

Arizona, USA

• Findings were cross-referenced with international guidelines and recommendations, such as those provided by UNESCO (2021).

The integration of artificial intelligence (AI) in education offers substantial pedagogical benefits, particularly in supporting adaptive and personalized learning. AI technologies, such as intelligent tutoring systems, automated assessment tools, and learning analytics platforms, enable educators to monitor student progress in real time, adjust instructional content to individual needs, and provide timely, evidence-based feedback. These applications enhance learning efficiency, motivation, and engagement, ultimately improving educational outcomes.

However, AI implementation also poses challenges. Pedagogical and ethical considerations—including reduced human interaction, data privacy concerns, algorithmic bias, and excessive reliance on technology—must be carefully addressed to ensure that AI complements rather than replaces teachers. The effectiveness of AI in education largely depends on teachers' digital literacy and pedagogical competence, highlighting the need for specialized training programs.

In conclusion, AI holds great potential to transform education by fostering individualized learning and evidence-based teaching. When integrated thoughtfully and ethically, AI serves as a powerful tool that supports teachers, enhances student learning, and contributes to the development of modern, adaptive educational systems. Future research should focus on combining qualitative and quantitative approaches to further evaluate AI's impact across diverse educational contexts.

References

[1].	du Boulay, B. (2016). Artificial Intelligence in Education: Promises and Challenges. International Journal of Artificial Intelligence in Education, 26(2), 1–10.

[2].	Holmes, W., Bialik, M., & Fadel, C. (2019). Artificial Intelligence in Education: Promise and Implications for Teaching and Learning. Boston: Center for Curriculum Redesign.

[3].	Luckin, R. (2018). Intelligence Unleashed: An Argument for AI in Education. London: Pearson.

[4].	Russell, S., & Norvig, P. (2021). Artificial Intelligence: A Modern Approach (4th ed.). Pearson.

[5].	Selwyn, N. (2019). Should Robots Replace Teachers? AI and the Future of Education. Cambridge: Polity Press.

[6].	VanLehn, K. (2011). The relative effectiveness of human tutoring, intelligent tutoring systems, and other tutoring systems. Educational Psychologist, 46(4), 197–221.

[7].	Winne, P. H. (2020). Learning analytics and artificial intelligence in education. British Journal of Educational Technology, 51(6), 1–14.

[8].	UNESCO. (2021). AI in Education: Guidance for Policy-makers. Paris: UNESCO Publishing.

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Digitalization Strategy of the Personnel Training System in an Innovative Economy

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Abstract
This article analyzes the main directions of the strategy for digitalizing the personnel training system in the context of an innovative economy. In addition, the processes of digital transformation in the education system, mechanisms for integrating modern technologies, and innovative models of personnel training are examined.
Key Words: *digital economy; personnel training; innovation; education system; digital transformation; technological integration; vocational education.*

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Introduction

As is well known, the 21st century is entering history as a period of rapid development of digital technologies in the global economy. Today, the digital economy has deeply penetrated all sectors and is becoming the main driving force of economic growth. Under these conditions, modernizing and digitalizing the personnel training system has become an urgent task.

The large-scale reforms being implemented in the Republic of Uzbekistan, in particular the *"Digital Uzbekistan – 2030"* Strategy approved by Presidential Decree No. PF-6079 dated October 5, 2020, define the main directions for modernizing the personnel training system.

The relevance of this study lies in the fact that the rapid development of digital technologies is creating new requirements and opportunities within the education system. Moreover, traditional methods of personnel training are no longer fully meeting the demands of the modern economy, which necessitates systemic changes.

Research objective: to develop a strategy for digitalizing the personnel training system in an innovative economy and to propose practical recommendations.

Literature Review

The sources used in this study cover various aspects of digitalizing the personnel training system under conditions of an innovative economy. First and foremost, the *"Digital Uzbekistan – 2030"*[1] Strategy approved by Presidential Decree No. PF-6079 dated October 5, 2020, defines the conceptual foundations of state policy in this area.

In addition, Resolution No. 757 of the Cabinet of Ministers dated December 2, 2020 addresses the provision of general education institutions with information and communication technologies, reflecting the practical dimension of state policy in strengthening digital education infrastructure.

Overall, the analyzed literature highlights the theoretical foundations, practical directions, and legal guarantees for digitalizing the personnel training system.

Methodology

This study employs SWOT analysis, as it allows for a comprehensive assessment of the strengths and weaknesses of the digitalization strategy for personnel training in an innovative economy, as well as the opportunities and threats associated with this process.

Analysis and Results

SWOT Analysis of the Digitalization Strategy for the Personnel Training System in an Innovative Economy

Table 1

Strengths	Weaknesses
State-level support: The government has identified the development of the digital economy as a priority area. **Youth potential:** Young people who quickly master technologies serve as the main driving force of digital reforms. **Existing educational infrastructure:** The country has established educational networks necessary for digitalization.	**Low level of digital literacy:** A significant portion of the population lacks sufficient digital skills. **Unequal technological infrastructure:** Access to digital technologies varies across regions. **Insufficient high-quality digital content:** Modern digital educational resources remain underdeveloped.
Opportunities	Threats
International experience and technology transfer: Cooperation with developed countries facilitates the adoption of advanced digital solutions. **Development of digital startups and innovative projects:** Creates new jobs and creative opportunities for youth. **Expansion of distance learning systems:** Enables education independent of geographical boundaries. **Attraction of foreign investment in the digital economy:** Accelerates system modernization.	**Cybersecurity challenges:** Data vulnerability may reduce trust in digital systems. **Technological constraints and digital divide:** Limited access to technology in some regions may increase social inequality. **Insufficient professional qualifications:** The pace of specialist training may lag behind technological development.

The SWOT analysis indicates that Uzbekistan possesses significant potential in the digitalization of personnel training. Effective use of existing opportunities can lead to substantial improvements in this sector.

Discussion

In the context of Uzbekistan, the development of the digital economy necessitates modernization of the education system and enhancement of personnel training quality. The sources and practical experiences examined in this study demonstrate that the success of digitalization largely depends on organizational,

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[1] O'zbekiston Respublikasi Prezidentining 2020-yil 5-oktabrdagi "Raqamli O'zbekiston – 2030" strategiyasini tasdiqlash to'g'risida"gi PF-6079-son Farmoni.

technological, and human resource factors within the education system.

International experience shows that the following areas are crucial for increasing the effectiveness of digital transformation: the use of advanced technologies (artificial intelligence, AR/VR, distance learning platforms) in the educational process, strengthening public–private partnership mechanisms, and implementing continuous digital competence development programs for educators.

Conclusion

In conclusion, digitalizing the personnel training system in an innovative economy is a necessity of our time and one of the most important factors determining a country's competitiveness. In the Republic of Uzbekistan, the implementation of the *"Digital Uzbekistan – 2030"* Strategy and state programs aimed at modernizing the training system for engineering personnel provide a solid legal and organizational foundation for this process.

The following recommendations may be effective:

1. Establish centers for developing digital competencies among educators and introduce continuous professional retraining systems.

2. Develop technological modernization programs to reduce disparities in digital infrastructure between regions.

3. Align educational programs with labor market needs, with a focus on IT, engineering, and digital management fields.

4. Develop digital educational content and national platforms and integrate them with international standards.

References

[1]. Presidential Decree of the Republic of Uzbekistan No. PF-6079 dated October 5, 2020, On Approval of the "Digital Uzbekistan – 2030" Strategy. National Database of Legal Documents, 06.10.2020. https://e-qaror.gov.uz/doc/2590689

[2]. Presidential Decree of the Republic of Uzbekistan No. PF-127 dated May 11, 2023, On Measures to Radically Improve the System of Training Engineering Personnel for Economic Sectors Based on Innovation and Digitalization. National Database of Legal Documents, 12.05.2023. https://president.uz/oz/487

[3]. Abdurakhmanov, K. Kh., & Zokirova, N. K. (2022). Current issues of introducing digital technologies in the higher education system. Economy and Innovative Technologies, No. 3, 45–52.

[4]. Innovative Economy and Management. (2023). Modern requirements and solutions, No. 2(15), 34–42.

[5]. State Statistics Committee of the Republic of Uzbekistan. (2023). Education System Statistical Yearbook, Academic Year 2022–2023. Tashkent.

[6]. Resolution of the Cabinet of Ministers No. 757 dated December 2, 2020, On Measures to Equip General Education Schools with Modern Information and Communication Technologies, Educational and Sports Equipment. National Database of Legal Documents, 03.12.2020.

[7]. Yusupov, E. Y., & Nurmatova, S. I. (2022). Mechanisms for forming digital competencies in vocational education. Journal of Vocational Education, No. 3(18), 67–74.

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The Importance of Linguistic-Syntactic Pattern Annotation and Corpus Creation in the Uzbek Language

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Abstract

This article highlights the system of existing linguistic-syntactic patterns (LSP) in the Uzbek language, their role in sentence construction, and the linguistic and technological significance of the markup (annotation) process. If a sentence, as the main unit of communication in language, is a syntactic structure completed in terms of content, purpose, and intonation, then LSQ is an abstract pattern of phrases that form a sentence. The article shows ways to deeply study the morphological, syntactic, and semantic features of LSQs by dividing them into components, marking them with tags, and creating an individual corpus.

Key Words: *linguistic-syntactic pattern (LSQ), marking, corpus, tagging, morphological analysis, semantic proportionality, valency, metaphor, parser, thesaurus, automatic analysis, Uzbek language.*

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In Uzbek syntax, word combinations function as the fundamental structural units from which sentences are constructed. These combinations serve as the "building materials" of sentence formation and represent stable linguistic–syntactic patterns entrenched in the speaker's cognition. Although LSQs constitute a fixed system, they provide the basis for producing an unlimited number of speech realizations. Understanding the internal structure of LSQs and annotating them within linguistic corpora is crucial for the systematic study of Uzbek syntax.

LSQs operate as abstract syntactic molds comparable to construction blocks. Research in Uzbek linguistics confirms that speakers rely on cognitive templates for converting lexemes into meaningful combinations and sentences [1, p. 75]. Despite their structural stability, LSQs generate limitless linguistic outputs, enabling flexible yet rule-governed speech production.

Annotating LSQs allows researchers to decompose word combinations into their constituent parts, identify their syntactic functions, and determine the relationships between roots and affixes. The Uzbek language contains 18 invariant LSQs, which considerably simplify the annotation process and make it scalable for corpus linguistics. Tagging therefore offers a standardized mechanism for the automatic analysis of LSQs, facilitating both linguistic description and computational applications.

Corpus-based annotation provides insights beyond mere frequency counts. When parts of speech are assigned to each lexical item, researchers can determine usage patterns across discourse types. Furthermore, linguistic tagging assigns a unique code to each word form [2 p.28], enabling the systematic study of morphological and syntactic behavior. Morphological tagging is particularly important in identifying grammatical features such as case, possession, and derivation, which in turn supports the automatic analysis of LSQs, e.g., do'stimning uyi ('my friend's house'). Semantic compatibility plays a central role in the evaluation of LSQs. Lexical valency requires that a governing lexeme select semantically appropriate dependents. Although many LSQs may be formally generated—such as structures involving a noun in the accusative case plus a verb—only a subset represents meaningful combinations (e.g., qo'ylarni ekdi 'planted the sheep' is formally well-formed but semantically illogical). Thus, LSQ analysis must incorporate both formal and semantic criteria.

Meaning extension, particularly metaphorical shift, must also be considered. For instance, in oltin kuz ('golden autumn'), the lexeme oltin undergoes metaphorization and functions as an attributive modifier rather than a noun. Such cases require precise tagging to reflect both syntactic and semantic transformations.

Syntactic parsers and thesaurus-based lexical resources play an essential role in LSQ annotation. Thesauri capture the full range of lexical behavior in a language and support the identification of lexical valency patterns. Their integration into annotation enables the extraction of LSQs from large text collections, decomposition into structural components, and detailed analysis of their syntactic and semantic properties.

The identification and annotation of Uzbekistan's 18 fixed LSQs create opportunities to:
• systematically analyze morphological, syntactic, and semantic patterns;
• uncover the relationship between word combinations and sentence constituents;
• construct foundational datasets for machine translation and natural language processing;
• develop more accurate language models grounded in linguistic structure.

These outcomes highlight the importance of LSQ-based annotation for both theoretical linguistics and applied computational research.

LSQs represent abstract syntactic patterns that guide speech production and shape the structure of Uzbek word combinations. Their systematic identification and annotation using corpus-based methods allow for deeper insights into the morphological, syntactic, and semantic properties of the language. The integration of parsers and thesauri further enhances the precision of LSQ analysis. These developments contribute significantly to linguistic theory and provide essential resources for the advancement of Uzbek language technologies

References

[1].   Sayfullayeva R., Mengliyev B., Boqiyeva G., Qurbonova M., Yunusova Z., Abduzalova M. Modern Uzbek Literary Language. Tashkent: Fan va texnologiya, 2009.- p.286

Arizona, USA

[2].   Zakharov V., Mengliyev B., Khamroyeva Sh. Corpus Linguistics: Building and Using Corpora. Tashkent, 2021.

[3].   Hozirgi_ozbek_adabiy_tili //https://namdu.uz/media/Books/pdf/2024/06/20/NamDU-ARM-6806- /Дата обращения 09.12.2025г.

[4].   Страничка Википедия// https://ru.wikipedia.org/wiki /Дата обращения 09.12.2025г.

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