

Digital Platforms and Transformations in Linguistics Teaching at the Contemporary University

Medissem Rachida

University of Ain Témouchent Belhadj Algeria

Email: Rachame64@gmail.com

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Abstract

This article aims to study the impact of digital platforms on the transformations of linguistics teaching within the contemporary university, by highlighting the changes that have affected teaching methods and the roles of educational actors in the context of digital transformation. University education has increasingly relied on digital platforms, which have provided an interactive learning environment that has contributed to diversifying knowledge sources, facilitating access to linguistic content, and enhancing students' self-directed and collaborative learning.

The study has shown that linguistics teaching has clearly benefited from these platforms, as it has become more connected to practical applications, such as the analysis of linguistic corpora and digital tools, which has contributed to developing students' analytical skills. The article also indicates that this transformation has been accompanied by a change in the roles of the teacher and the student; however, it faces some challenges, such as weak digital infrastructure and the lack of pedagogical training in the digital field.

The article concludes that digital platforms represent a fundamental lever for modernizing linguistics teaching, provided that an appropriate technical and pedagogical environment is established to ensure their effective use.

Keywords: Digital platforms, linguistics teaching, university education, digital transformation, e-learning, applied linguistics, interactive education.

Introduction

General Overview of Digital Transformation in Higher Education: Higher education has witnessed profound and radical transformations in recent decades due to rapid technological advancement, which has generated what is known as digital transformation in the educational field. University education is no longer exclusively based on traditional classrooms and face-to-face lectures; rather, it has moved towards new educational patterns based on the integration of in-person and electronic learning through the adoption of digital platforms as comprehensive pedagogical spaces. This transformation has contributed to reshaping the structure of the educational process, whether in terms of teaching methods, assessment approaches, or even the nature of the relationship between the teacher and the student.

The importance of this transformation lies in the fact that it has not been limited to transferring educational content into a virtual space; rather, it has gone beyond that to the re-engineering of the entire educational process. Knowledge has become constructed in a participatory and

interactive manner, relying on diverse digital resources such as educational videos, interactive blogs, databases, and live virtual lectures. This transformation has also provided broad opportunities to expand the scope of learning beyond the limits of time and space, thereby enhancing the flexibility and effectiveness of education, particularly in humanities disciplines that rely on analysis and discussion.

Highlighting the Position of Linguistics as a Science Capable of Developing through Digital Tools:

Linguistics is considered one of the human sciences characterized by significant epistemological flexibility, as it is concerned with studying language as a structural and functional system manifested through multiple levels, such as phonetics, morphology, syntax, semantics, and pragmatics. This analytical nature makes it a fertile field for benefiting from modern digital tools, particularly those that provide possibilities for text processing and linguistic data analysis. Digitalization has contributed to the development of linguistic research through the provision of specialized software for linguistic corpus analysis, tools for identifying linguistic patterns, and phonetic analysis programs, making linguistics teaching more interactive and connected to real linguistic practices. The use of digital platforms has also enabled students to access diverse linguistic resources and practice linguistic analysis in a practical manner instead of merely relying on abstract theoretical concepts, which enhances the quality of learning and strengthens their research skills. Thus, linguistics in the context of digital education is no longer a closed theoretical science; rather, it has become a dynamic field that interacts with technology and benefits from its capabilities in language analysis and teaching through modern and innovative methods.

Defining the Importance of the Topic and Its General Problematic+

The importance of this topic lies in the fact that it addresses one of the most prominent transformations experienced by contemporary university education, namely the integration of digital platforms into the educational process, particularly in the teaching of humanities disciplines such as linguistics. Understanding the impact of these platforms is not limited to the technical aspect alone; rather, it extends to examining the pedagogical and epistemological transformations that have affected teaching methods and the roles of educational actors.

The importance of the topic also lies in the fact that it highlights the extent to which digital platforms are capable of improving the quality of linguistics teaching, by enhancing interaction, facilitating access to knowledge, and developing students' linguistic analysis skills. On the other hand, the topic raises a number of issues related to the effectiveness of these tools, the limits of their use, and the technical and pedagogical challenges that may hinder their optimal integration within the university. Accordingly, the study of this topic has an important scientific and educational dimension, as it falls within the framework of contemporary discussions on the future of higher education in the context of digitalization.

Presentation of the Main Research Problem: Based on the above, the central research problem of this study can be formulated as follows:

How have digital platforms affected the teaching of linguistics within the contemporary university?

This problem gives rise to a number of sub-questions, including:

- To what extent do digital platforms contribute to the development of linguistics teaching methods?
- How have the roles of the teacher and the student changed in the context of digital education?
- What are the main advantages provided by these platforms in linguistics teaching?
- What are the most significant challenges facing their use in the university environment?

Through these questions, this study seeks to analyze the nature of the transformation brought about by digitalization in the teaching of this discipline and to reveal the limits and possibilities of this transformation. Indication of the Adopted Methodology: This study adopts the descriptive-analytical method as the most appropriate approach for this type of topic, as it allows for the description of the studied phenomenon, namely the use of digital platforms in linguistics teaching, in an accurate manner, while analyzing its various intellectual, educational, and technical dimensions. The descriptive aspect is based on examining the reality of the use of digital platforms in university education, whereas the analytical aspect aims to interpret the impact of these platforms on the educational process, particularly with regard to changes in teaching methods, the development of the roles of educational actors, and the effectiveness of linguistic learning in the digital environment. This methodology also aims to provide a balanced scientific reading that combines both advantages and disadvantages, allowing for a deeper understanding of the transformations that have affected linguistics teaching in the context of digitalization.

Chapter One: The Conceptual Framework of Digital Platforms and Linguistics Teaching

Higher education has witnessed profound transformations in recent decades imposed by the rapid developments in the field of information and communication technology. The traditional educational space based solely on the classroom is no longer capable of accommodating the requirements of modern knowledge or keeping pace with learners' needs in the era of digitalization. In this context, digital platforms have emerged as one of the most important manifestations of this transformation, as they have reshaped the structure of the educational process by providing interactive virtual environments that allow for the management and organization of learning and facilitate communication among various educational actors.

The importance of these platforms lies in the fact that they are no longer merely auxiliary technical tools; rather, they have become integrated pedagogical spaces that redefine the roles of the teacher and the student and establish a new educational model based on interaction, collaboration, self-directed learning, and the exploitation of diverse digital resources. Therefore, understanding the conceptual framework of digital platforms requires examining their nature, types, and characteristics that have made them a central element in the modernization of the university educational system. On the other hand, linguistics teaching falls within the framework of precise scientific disciplines concerned with the study of human language through a systematic scientific approach that combines theoretical analysis and practical application. This makes it directly susceptible to the influence of modern technological developments. The integration of digital platforms into linguistics teaching has become a pedagogical necessity that contributes to simplifying abstract concepts, facilitating the analysis

of linguistic phenomena, and enhancing students' abilities in comprehension, analysis, and application. Based on this intersection between digital transformation in education and the nature of linguistics teaching, this section aims to provide a conceptual framework that clarifies the nature of educational digital platforms and identifies their main types and characteristics. It also seeks to define the concept of linguistics teaching at the university level in terms of its objectives, content, and pedagogical approach, in a way that allows for an understanding of the complementary relationship between educational technology and modern linguistic research. Accordingly, this section will be addressed through two main requirements: the first deals with the concept of digital platforms, their types, and the characteristics of education through them, while the second addresses the concept of linguistics teaching at the university, its objectives, and its pedagogical nature between the theoretical and practical aspects.

First Requirement: The Concept of Digital Platforms and Their Types

First: Definition of Digital Platforms in the Educational Context

Digital platforms are considered among the most prominent manifestations of digital transformation that has affected the higher education sector. They have become virtual educational environments based on information and communication technology, enabling interaction between the teacher and the student beyond the limits of traditional time and space. Digital platforms in the educational context can be defined as: integrated electronic systems used to provide, manage, and organize educational content and facilitate pedagogical interaction between the various actors involved in the educational process through the Internet. These platforms are based on the integration of several educational functions within a single space, such as: presenting lessons, uploading educational resources, conducting tests, managing discussions, monitoring assessment, and documenting students' learning paths. From this perspective, the digital platform is no longer merely an auxiliary tool; rather, it has become a self-contained educational environment that reshapes the student's relationship with knowledge and the teacher's relationship with content.¹

Digital platforms also rely on the principle of "learner-centered learning," where the student shifts from being a passive recipient to an active participant in the construction of knowledge through interaction, research, participation, and self-assessment. This enables them to move beyond the traditional model based on rote learning towards a more flexible and interactive model.

From a technical perspective, these platforms rely on a set of technologies, such as cloud computing, databases, learning management systems, and synchronous and asynchronous communication tools, which ensure the continuity of the educational process under various circumstances.²

Second: Main Types of Educational Digital Platforms

Educational digital platforms can be classified according to their functions and characteristics into several main types, the most prominent of which are:

1. Learning Management Systems (LMS)

¹ Moumen, Ahmed. (2015). *Linguistics: Origin and Development*. Algeria: OPU, p. 45.

² Al-Rajhi, Sharaf Al-Din. (2003). *Principles of Modern Linguistics*. Cairo: Dar Al-Ma'rifa Al-Jami'iyya, p. 18.

This type of platform is considered the most widely used in university institutions. They are systems designed to comprehensively organize and manage the educational process. Examples include:

- Moodle
- Google Classroom
- Microsoft Teams

These platforms are characterized by the following:

- Managing educational content (lessons, files, videos).
- Organizing sections and academic cohorts.
- Creating electronic tests and automatically correcting them.
- Monitoring students' progress and performance.
- Providing a space for communication between the teacher and the student.³

2. Open Content Platforms (MOOCs)

These are platforms that provide open online educational courses, often free or semi-free, such as Coursera and EdX. They are characterized by:

- Providing learning opportunities for an unlimited number of users.
- Offering content from international universities.
- Flexibility in self-directed learning.

Although they are less connected to traditional university education in some contexts, they have become a supportive source for modern linguistic knowledge.⁴

3. Educational Communication and Interaction Platforms

These are platforms that are not necessarily classified as purely educational platforms, but are used in education to support communication, such as:

- Zoom
- Microsoft Teams (partially)
- Google Meet

They are characterized by:

- Direct learning (Live sessions).
- The possibility of immediate discussion.
- Supporting virtual lectures.⁵

4. Collaborative Content Platforms

Such as Google Drive and OneDrive, which are used for exchanging files and educational resources. They are characterized by:

- Collaborative work on documents.
- Secure cloud storage.

³ Ben Nasser, Hanifi; Lazaar, Mokhtar. (2016). *Linguistics: Its Theoretical Foundations and Methodological Deepenings*. Algeria: OPU, p. 32.

⁴ Hawir, Khaled. (2021). *Computational Linguistics: Theory and Application*. Algeria: Academic Book Center, p. 27.

⁵ Martin, Robert. (2004). *An Introduction to Understanding Linguistics*. Beirut: Arab Organization for Translation, p. 12.

- Easy access to content from anywhere.

Third: Characteristics of Learning through Digital Platform

Learning through digital platforms is characterized by a set of pedagogical and technical features that have made it a modern and effective educational model, the most important of which are:

1. Temporal and Spatial Flexibility

Learning through digital platforms enables access to lessons at any time and from any place, which frees the educational process from the constraints of traditional time and space.

2. Interaction and Collaboration

Digital platforms provide an interactive environment that allows students to participate in discussions, ask questions, and interact with the content and the teacher, thereby enhancing active learning.⁶

3. Diversity of Educational Media

These platforms rely on multiple media, such as texts, videos, presentations, and interactive tests, which contribute to improving understanding and comprehension.

4. Continuous and Immediate Assessment

Digital platforms allow continuous assessment through electronic tests and immediate feedback, helping students to continuously improve their level.⁷

5. Self-Directed Learning

These platforms encourage learner autonomy, as students become responsible for organizing their learning and determining their own pace in acquiring knowledge.

6. Monitoring and Analysis

These systems enable teachers to monitor students' performance and analyze their interaction with content, which contributes to improving the educational process.

Second Requirement: The Concept of Linguistics Teaching at the University

First: Definition of Linguistics as a Linguistic Science

Linguistics is considered a relatively modern science concerned with the scientific and objective study of language, away from normative or impressionistic judgments. It can be defined as: the science that studies human language in terms of its structure, functions, and phonological, morphological, syntactic, and semantic systems, in addition to its uses in social and communicative contexts.

Linguistics is characterized as a descriptive science that aims to analyze linguistic phenomena as they exist in reality, rather than as they should be. It has developed through several stages, beginning with traditional linguistics, passing through structural linguistics with de Saussure, reaching generative linguistics with Chomsky, and then modern linguistics, which incorporated the social, communicative, and cognitive dimensions.⁸

Linguistics is divided into several branches, including:

⁶ The Higher Council of the Arabic Language. (2018). The Arabic Language and Modern Technologies. Algeria, p. 55.

⁷ Kadouri, Ibrahim et al. (2015). Applied Linguistics and Language Teaching. University of El Oued, p. 40.

⁸ Al-Ghali, Nasser. (2023). Towards an Arabic Sociolinguistics. Riyadh: King Salman Global Academy, p. 61.

- Phonetics and phonology
- Morphology
- Syntax
- Semantics
- Pragmatics
- Sociolinguistics⁹

Second: Objectives of Linguistics Teaching in University Education

The teaching of linguistics at the university aims to achieve a set of scientific, cognitive, and methodological objectives, the most important of which are:

1. Developing Scientific Knowledge about Language

Linguistics teaching seeks to enable students to understand language as a complex and organized system, rather than merely as a spontaneous means of communication.

2. Developing Analytical Thinking

It aims to develop students' abilities to analyze linguistic phenomena according to precise scientific methods based on observation, description, and interpretation.¹⁰

3. Enabling Students to Use Linguistic Research Tools

In this context, students learn how to employ modern linguistic approaches in analyzing texts and discourses.

4. Linking Theory with Practice

The teaching of linguistics is not limited to the theoretical aspect; rather, it seeks to apply concepts to the language used in reality.

5. Preparing Specialized Researchers

It aims to train students capable of pursuing scientific research in the various fields of language and linguistics.

6. Enhancing Linguistic Competence

The teaching of linguistics contributes to improving students' awareness of linguistic structures, which is reflected in their ability to write, analyze, and communicate.

Third: The Nature of the Pedagogical Approach in Linguistics Teaching: Theoretical / Applied

The teaching of linguistics at the university is characterized by a dual nature that combines the theoretical aspect and the practical aspect, reflecting the specificity of this science.¹¹

1. Theoretical Approach

This approach focuses on:

- Presenting basic linguistic concepts.
- Introducing different linguistic theories.
- Studying linguistic schools (structural, generative, functional, etc.).
- Analyzing linguistic structures in an abstract manner.

⁹ Ben Nasser, Hanifi. (2016). *Linguistics: Its Theoretical Foundations*. p. 78.

¹⁰ Moumen, Ahmed. (2015). *Linguistics: Origin and Development*. p. 102.

¹¹ Abdel Hadi, Mohammed. (2019). *E-Learning in the Arab University*. Cairo: Dar Al-Fikr, p. 33.

The importance of this aspect lies in building a solid knowledge base for students that enables them to understand language scientifically.¹²

2. Applied Approach

It aims to:

- Apply theoretical concepts to authentic texts.
- Analyze sentences and discourses.
- Study linguistic errors.
- Practice phonetic, morphological, syntactic, and semantic analysis.

This approach is considered necessary because it transforms theoretical knowledge into a practical skill that can be used in research and teaching.

3. Integration between the Two Approaches

The teaching of linguistics cannot succeed except through integration between theory and practice, as:

- Theory provides the conceptual framework.
- Practice provides practical embodiment.

Therefore, this integration contributes to training a student capable of understanding, analyzing, and scientifically employing language.¹³

Second Chapter: Transformations in Linguistics Teaching in the Context of Digital Platforms

Linguistics teaching at the contemporary university is witnessing profound transformations as a result of the rapid development of digital education technologies. The linguistic lesson is no longer limited to the traditional classroom and direct lectures; rather, it has become integrated with flexible digital environments that combine text, sound, image, and data, enabling students to construct their knowledge in a more independent and interactive manner. Digital platforms such as Moodle, Google Classroom, and Microsoft Teams are among the most prominent tools that have reshaped teaching methods and the roles of educational actors.¹⁴

First Requirement: Transformation in Teaching and Learning Methods

First: The Transition from Traditional Education to Digital Education

The transition from traditional education to digital education represents one of the most prominent manifestations of transformation in linguistics teaching, as education has moved from a model based on direct lecturing within the classroom to a model based on electronic interaction, distance learning, or blended learning.

In traditional education, the teacher was the primary source of knowledge, explaining linguistic concepts such as phonetics, morphology, syntax, and semantics, while the student's role was limited to listening, taking notes, and memorization. In digital education, however, knowledge has become distributed across multiple sources, and students are able to access recorded lectures, digital books, and open educational resources at any time and from any place.

¹² Alyan, Rabhi. (2018). *E-Learning and Its Theoretical Foundations*. Amman: Dar Al-Safa, p. 47.

¹³ Salem, Ahmed. (2020). *Digital Education Technology*. Riyadh: Al-Rushd Library, p. 59.

¹⁴ Al-Zahrani, Saeed. (2021). *Digital Educational Platforms*. Jeddah: Dar Al-Jami'ah, p. 21.

Digital education has also provided significant flexibility in organizing study time, as learning is no longer exclusively linked to the lecture hour; rather, it has become a continuous process based on interaction with digital content, re-watching lessons, participating in academic forums, and conducting electronic assessments.

This transformation has contributed to making linguistics teaching more open to modern applications, such as digital discourse analysis, computational linguistics, and natural language processing, thereby broadening the scope of the scientific content and linking it to the contemporary technological reality.¹⁵

Second: Interactive Learning and the Use of Multimedia

The integration of digital platforms into linguistics teaching has led to the emergence of a new learning model based on interaction rather than passive reception, where the student has become an active participant in knowledge construction.

Interactive learning relies on multiple tools, such as:

- Educational videos explaining linguistic concepts, such as places of articulation or the syntactic structure of sentences.
- Interactive presentations that allow students' immediate participation.
- Digital forums that enable academic discussions on linguistic phenomena.
- Instant electronic tests that continuously assess understanding.¹⁶

Multimedia has also played a central role in simplifying complex linguistic concepts, as it has become possible to transform phonetic phenomena into auditory and visual representations, helping students understand the subtle differences between sounds or linguistic structures.

This type of learning has contributed to increasing students' level of motivation, as the linguistic lesson is no longer merely theoretical texts; rather, it has become an interactive educational experience that combines observation, listening, and practice.¹⁷

Third: The Use of Digital Resources: Linguistic Corpora and Databases

One of the most important transformations in linguistics teaching is the increasing reliance on specialized digital resources, which have become an essential part of the educational process.

1. Linguistic Corpora

Linguistic corpora are considered large databases containing authentic texts from language as it is actually used, whether written or spoken. These corpora are used in linguistics teaching in order to:

- Study the actual use of language away from artificial examples.
- Analyze syntactic and semantic phenomena within their natural contexts.
- Train students in experimental linguistic research.

2. Linguistic Databases

Digital databases provide access to a vast amount of information about languages, such as electronic dictionaries, linguistic encyclopedias, and phonetic and syntactic analysis tools.

¹⁵ Al-Tayeb, Abdelkader. (2022). Distance Learning and Digital Transformation. Algeria: Dar Al-Hikma, p. 66.

¹⁶ Al-Dulaimi, Taha. (2016). Methods of Teaching the Arabic Language. Amman: Dar Al-Masira, p. 90.

¹⁷ Abdel Latif, Hassan. (2017). The Didactics of Linguistics at the University. Beirut: Dar Al-Fikr, p. 44.

Through these tools, students have become capable of conducting accurate language analyses, such as comparing linguistic structures, studying the development of vocabulary, or analyzing phonetic changes.

3. The Educational Impact of These Resources

The use of these resources has led to shifting linguistics teaching from an abstract theoretical nature to an applied analytical approach, where students are required to research and explore rather than memorize, thereby enhancing their research and critical abilities.

Second Requirement: Transformation in the Roles of the Teacher and the Student

First: The Teacher from a Knowledge Transmitter to a Guide and Content Designer

Digital platforms have brought about a radical transformation in the role of the university teacher, as the teacher's role is no longer limited to transmitting knowledge; rather, it has become:

1. Guiding the Educational Process

The teacher guides students towards appropriate digital knowledge sources and helps them learn how to exploit them in a scientific and methodological manner. The teacher also accompanies them in developing linguistic analysis skills instead of merely providing ready-made information.¹⁸

2. Digital Content Designer

The teacher has become required to prepare interactive digital content, including:

- Recorded lessons.
- Interactive presentations.
- Digital activities.
- Electronic tests.

This requires the teacher to acquire new digital skills in addition to their academic specialization, reflecting a transformation in the nature of teaching competence.

3. Supervisor of Self-Directed Learning

The teacher is no longer the sole source of knowledge; rather, they have become a supervisor of the student's learning path, monitoring their progress, evaluating their performance, and providing continuous feedback.

Second: The Student from a Recipient to a Researcher and Active Participant

The role of the student has also undergone a significant transformation, as the student has become the center of the educational process instead of being a passive element within it.

1. From Reception to Research

The student has become required to search for information from multiple sources, such as:

- Digital libraries.
- Linguistic corpora.
- Databases.
- Electronic scientific articles.

¹⁸ Al-Shammari, Fahd. (2019). Language Teaching in the Digital Age. Riyadh: King Saud University, p. 38.

Thus, the student moves from being a passive recipient to an active researcher in the construction of linguistic knowledge.¹⁹

2. Active Participation in Learning

Digital platforms enable students to participate in academic discussions, deliver presentations, and solve interactive exercises, thereby enhancing their communicative and analytical skills.

3. Developing Academic Autonomy

One of the most important transformations is the promotion of self-directed learning, as students have become capable of:

- Organizing their study time.
- Selecting appropriate educational resources.
- Assessing their own academic progress.²⁰

Third: Enhancing Self-Directed and Collaborative Learning

Digital platforms have contributed to achieving a balance between two types of learning:

1. Self-Directed Learning

1. Self-Directed Learning

In this type of learning, the student relies on themselves in acquiring knowledge through open digital content, recorded lessons, and interactive activities, which enhances their intellectual autonomy.

2. Collaborative Learning

In contrast, digital platforms have provided spaces for collective work, such as forums and virtual discussion rooms, allowing students to exchange ideas and analyze linguistic phenomena collectively. This integration between self-directed and collaborative learning has contributed to building a more balanced and effective educational environment based on participation and interaction rather than rote learning. It is evident from this section that linguistics teaching has undergone a radical transformation in the context of digital platforms, both at the level of teaching methods and the roles of educational actors. Education has moved from a traditional model based on lecturing to an interactive digital model relying on multimedia and digital resources. The role of the teacher has also changed from a knowledge transmitter to a guide and content designer, while the student has become an active researcher and participant in knowledge construction. This transformation clearly reflects that contemporary linguistics education is no longer merely the transmission of knowledge, but has become a dynamic process based on interaction, research, and intellectual autonomy.²¹

Third Chapter: Advantages and Challenges of Using Digital Platforms in Linguistics Teaching

The integration of digital platforms into linguistics teaching is considered one of the most prominent pedagogical transformations experienced by contemporary university education, as teaching has shifted from the traditional model based on direct lecturing to a more interactive and flexible model relying on digital media and blended learning. However, despite the

¹⁹ Hamza, Mohamed. (2018). *Applied Linguistics in Education*. Cairo: Dar Al-Ma'rifa, p. 52.

²⁰ Al-Shammari, Fahd. (2019). *Language Teaching in the Digital Age*. Riyadh: King Saud University, p. 38.

²¹ Ben Salah, Abdelrahman. (2020). *Modern Linguistic Education*. Algeria: Dar Al-Houda, p. 71.

advantages brought by this transformation, it also raises a number of challenges that affect the quality and effectiveness of learning.²²

First Requirement: Advantages and Benefits

1. Easy Access to Linguistic Knowledge

Easy access to knowledge is considered one of the most important advantages provided by digital platforms in linguistics teaching, as students have become able to access a vast amount of scientific resources at any time and from any place without temporal or geographical restrictions. Through platforms such as Moodle, Google Classroom, and Microsoft Teams, students can download lectures, watch recorded lessons, consult digital references, and participate in academic discussions. This openness to knowledge enables students to deepen their understanding of linguistic issues such as phonetics, syntax, semantics, and pragmatics, without limiting themselves to what is presented only inside the classroom.

This easy access also enhances the principle of self-directed learning, as the student becomes an active participant in constructing their knowledge rather than merely a recipient, which contributes to developing their academic independence.

2. Diversification of Learning Sources

One of the most prominent advantages offered by digital platforms is that they provide a great diversity of learning sources, which is considered a central element in linguistics teaching as a multidimensional science.

Instead of relying on a single university textbook, students can benefit from:

- Peer-reviewed digital scientific articles.
- Educational videos explaining linguistic phenomena.
- Audio recordings for analyzing linguistic sounds.
- Linguistic databases (Corpus Linguistics).
- Scientific forums for academic discussion.²³

This diversity not only enriches theoretical knowledge but also helps link linguistics to practical application, especially in fields such as discourse analysis, text analysis, and computational linguistics.

The diversity of media, including text, sound, image, and video, also takes into account individual differences among students, as some of them prefer auditory learning, while others prefer visual or interactive learning.

3. Developing Students' Analytical and Digital Skills

The use of digital platforms in linguistics teaching contributes to developing a set of essential skills among students, particularly analytical and digital skills.

At the analytical level, students learn how to deal with linguistic texts in a precise scientific manner through analyzing linguistic structures, identifying phonetic or syntactic patterns, and using digital tools that help deconstruct linguistic phenomena.²⁴

At the digital level, students acquire important skills such as:

²² Abed, Nadia. (2021). Digital Transformation in Higher Education. Cairo: Dar Al-Ilm, p. 25.

²³ Al-Salmi, Ibrahim. (2020). The Digital University. Amman: Dar Al-Khaleej, p. 63.

²⁴ Bouziane, Mohamed. (2022). Digitalization and University Education. Algeria: Dar Al-Najah, p. 49.

- Using educational software.
- Dealing with linguistic databases.
- Conducting digital analyses of texts.
- Using artificial intelligence tools in language analysis.

This integration between linguistic analysis and digital skills makes students better prepared for the modern labor market, especially in fields such as translation, language proofreading, and computational linguistics.

4. Temporal and Spatial Flexibility

Flexibility is considered one of the most important characteristics that distinguish education through digital platforms, as learning is no longer linked to a specific time or place.

Students can attend lectures directly (Live) or watch them later according to their own schedules, which helps them organize their learning based on their personal circumstances. They can also participate in academic discussions through forums or chat rooms without the need for physical presence at the university.

This flexibility is particularly important in linguistics teaching, as it allows students to re-watch explanations related to difficult concepts, such as deep structures in generative grammar or phonetic analysis, thereby enhancing gradual and in-depth understanding.

This flexibility also contributes to supporting students who face difficulties in transportation or have professional commitments.²⁵

Second Requirement: Challenges and Constraints

1. Weak Digital Infrastructure in Some Universities

Despite the development experienced by the higher education sector, many universities still suffer from clear weaknesses in digital infrastructure, which limits the effectiveness of using educational platforms.

This weakness is represented by:

- Weak internet connection or frequent interruptions.
- Lack of technical equipment (computers, screens, servers).
- Absence of stable or updated educational platforms.

This situation directly affects the implementation of digital linguistics lessons, as this subject requires precise interactive tools for analyzing sounds and texts, which cannot be achieved in a weak technological environment.

This weakness also creates disparities among students, as some benefit from good technological resources, while others face significant difficulties in accessing content.

2. Lack of Teachers' Training in Modern Technologies

One of the most prominent challenges is also the existence of a gap in digital training among some teachers, as not all of them possess sufficient skills to use digital platforms effectively in linguistics teaching.²⁶

This deficiency is manifested in:

²⁵ Al-Qahtani, Fahd. (2019). Technology in Education. Riyadh: King Fahd Library, p. 58.

²⁶ Ben Issa, Al-Taher. (2018). Computational Linguistics. Tunisia: Dar Siras, p. 36.

- Difficulty in preparing interactive digital content.
- Limited use of digital linguistic analysis tools.
- Reliance on traditional methods even within digital platforms.

Teaching linguistics through digital media requires familiarity with modern tools, such as text analysis programs and linguistic databases, which calls for continuous training for teachers.

The absence of such training may also lead to transforming digital platforms into merely a means of transferring traditional lectures without any genuine pedagogical development.²⁷

3. Weak Face-to-Face Interaction Sometimes

Although digital platforms provide various communication tools, they may, in some cases, lead to a decline in direct human interaction between the teacher and the student.

In linguistics teaching, face-to-face discussion is considered highly important for understanding complex linguistic phenomena, as direct interaction helps in raising questions and clarifying issues immediately.²⁸

However, in the digital environment:

- Direct dialogue may decrease.
- Spontaneous interaction within the classroom may be reduced.
- The sense of belonging to the learning group may weaken.

Some students may also feel isolated or lose motivation due to the absence of continuous face-to-face communication.

4. Difficulties of Digital Assessment

Assessment represents one of the most prominent challenges in education through digital platforms, especially in linguistics, a field that relies on analysis and deep understanding.

These difficulties are represented in:

- The difficulty of ensuring the integrity of assessment (electronic cheating).
- The limited availability of accurate measurement tools for linguistic understanding.
- Excessive reliance on objective tests instead of analytical ones.
- The difficulty of accurately assessing practical skills.²⁹

Some digital assessment tools also do not fully reflect students' abilities to analyze linguistic phenomena, which may affect the credibility of academic results.

Therefore, it is necessary to reconsider assessment mechanisms by adopting alternative assessments, such as research projects, digital portfolios (e-portfolios), and interactive discussions.

It can be said that the use of digital platforms in linguistics teaching represents a qualitative shift in university education, as it provides significant opportunities for developing learning through flexibility, diversity of sources, and the development of digital and analytical skills. However, these advantages remain linked to the ability of university institutions to overcome

²⁷ Al-Ayashi, Abdel Karim. (2021). *E-Learning Management*. Algeria: Dar Al-Thaqafa, p. 80.

²⁸ Kamal, Mustafa. (2019). *Digital Interactive Education*. Cairo: University Publishing House, p. 53.

²⁹ Al-Hashemi, Nasser. (2022). *Modern Educational Platforms*. Amman: Dar Al-Bidaya, p. 29.

technical and pedagogical challenges, particularly those related to infrastructure, teacher training, and assessment mechanisms.

Accordingly, the success of this educational model requires an integrated strategic vision that combines technological development and pedagogical modernization to ensure more effective and high-quality linguistics education.³⁰

Conclusion

In light of what has been addressed in this article concerning digital platforms and the transformations of linguistics teaching in the contemporary university, a set of general conclusions can be drawn that reflect the nature of this transformation and its educational and epistemological dimensions.

It has become evident that the integration of digital platforms into university education has brought about a qualitative shift in linguistics teaching methods, as education is no longer limited to traditional theoretical explanation, but has become based on interaction, collaboration, and the diversity of knowledge sources. These platforms have also contributed to facilitating students' access to diverse linguistic resources, such as linguistic corpora and digital analytical tools, thereby strengthening the applied dimension in linguistics studies.

On the other hand, this transformation has resulted in a reformulation of the roles of actors within the educational process, as the teacher has become more of a guide and facilitator rather than a transmitter of knowledge, while the student has become an active element in constructing their learning through research and self-directed exploration. However, this development is not without challenges related to weak digital infrastructure, the lack of pedagogical training in the digital field, and the difficulties of electronic assessment.

Digital platforms have today become an essential element in developing linguistics teaching within the contemporary university, due to the significant possibilities they provide for improving the quality of education, expanding the scope of learning, and enhancing interaction between students and educational content. They also offer a flexible learning environment that transcends the limits of time and space and allows the integration of modern linguistic analysis tools, making the study of linguistics a more realistic and in-depth experience.

Accordingly, these platforms are no longer merely auxiliary means; rather, they have become a fundamental pillar in modernizing the educational process in line with the requirements of the modern university and the digital knowledge market.

Based on the findings reached, a set of recommendations can be proposed to enhance the effectiveness of using digital platforms in linguistics teaching:

- Enhancing the pedagogical and technical training of teachers through organizing continuous training courses on the use of digital platforms and modern linguistic analysis tools.
- Improving digital infrastructure within universities by providing high-quality Internet access and equipping classrooms with the necessary technological resources.

³⁰ Ben Yahya, Khaled. (2021). *Digital Transformation in Arab Universities*. Algeria: Dar Al-Uloun, p. 75.

- Developing digital educational content in accordance with the specific nature of linguistics as a discipline, through the preparation of interactive resources, linguistic corpora, and digital practical exercises.
- Encouraging interactive learning and self-directed research among students through the adoption of digital projects and assignments based on linguistic analysis using digital tools.
- Establishing clear standards for electronic assessment that ensure objectivity and fairness in measuring students' achievements.

Thus, it can be said that the success of linguistics teaching in the digital environment depends on the ability to exploit these platforms in a scientifically and pedagogically balanced manner, achieving integration between theoretical knowledge and practical application, and keeping pace with the rapid transformations in contemporary higher education.

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