UNIVERSIDAD NACIONAL AUTONOMA DE NICARAGUA

FAREM-MATAGALPA

GRADUATION SEMINAR.

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SUMMITED TO THE NATIONAL AUTONOMOUS UNIVERSITY OF NICARAGUA, MANAGUA AS A REQUIREMENT FOR A BACHELOR'S DEGREE IN TEACHING ENGLISH AS A FOREIGN LANGUAGE (TEFL).

Theme:

Instructional approaches for TEFL success in Matagalpa´s primary and secondary Education, II semester 2023.

Sub-Theme:

Effectiveness of Online Education in the Learning Process of English Language in 4th grade at school Bernilda Morales, Muy Muy, second semester 2020.

Authors:

-**Esthela Vanessa Díaz Suazo.**

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Tutor:

MSc. Cesar Enrique López Soza.

MATAGALPA, NICARAGUA, DECEMBER 2023.

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DEDICATION.

We dedicate our investigative work first to God who was our guide and who gave us the strength, wisdom, and courage to face this challenge, for helping us forward.

To our Parents who accompanied us in this process with their prayers, advice, and effort, giving us words of motivation in difficult moments.

ACKNOWLEDGMENT

ENDORSEMENT LETTER.

UNIVERSIDAD NACIONAL AUTÓNOMA DE NICARAGUA, MANAGUA
UNAN - MANAGUA

"2023: Seguiremos Avanzando en Victorias Educativas"

VALORACIÓN DEL TUTOR

El trabajo de Seminario de Graduación elaborado por los Bachilleres **Wilker Tomás Mayorga, Esthela Vanessa Díaz Suazo, Geovanny Josué Tinoco Luna,** para optar al título de Licenciado en Ciencias de la Educación con Mención en Inglés, con el tema: **Effectiveness of online education in the Learning process of English language in 4th grade at school Bernilda Morales Muy Muy in the second semester 2020** responde a las normativas del proceso metodológico de la investigación de la Universidad Nacional Autónoma de Nicaragua – UNAN – Managua (FAREM – Matagalpa), con la adecuada relación entre los objetivos y variables planteadas, la búsqueda documental, el diseño metodológico, los resultados obtenidos y las conclusiones.

El proceso de análisis y discusión de los resultados se realizó tomando en cuenta las variables del estudio, los instrumentos de recolección de información y la bibliografía consultada. Esto facilitó así mismo la elaboración de la propuesta y las conclusiones.

El presente trabajo es el resultado del esfuerzo, dedicación y aprendizaje desde la aplicación de conocimientos adquiridos y la puesta en práctica de los pasos metodológicos de la investigación científica. Por lo tanto, se considera apto para su defensa.

MSc. César Enrique López Soza
Tutor de Seminario
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ABSTRACT

The crisis experienced due to the pandemic caused great changes in the educational field, since it forced the closure of many schools, which is why this research work focuses on evaluating the effectiveness of online education in the process of teaching English as a second language during COVID-19, in 4th grade students in the second semester of 2020. The objective of this research is to analyze its effectiveness in learning, that is why this research is very important since it describes the impact that the arrival of online education had and determines the advantages and disadvantages that this learning process had, which could contribute specifically to day-to-day teaching if it is used appropriately. The approach of this research is qualitative and a sample of 20 4th-grade students was taken, to whom surveys were applied, an interview was also conducted with the teacher, who pointed out that the arrival of online classes was a great alternative. , because teaching was provided and classes did not stop. With this, we responded to the proposed objective and concluded that online classes during COVID-19 were the best tool used. Therefore, we must use educational platforms appropriately, which will help us increase knowledge, whether for our days or the future of other.

Keywords: Online, Education, Learning process, COVID-19.

I. INTRODUCTION.

What would you think if I told you that online education is so effective, that you can achieve quality learning? It may not seem credible, but not impossible; This research was carried out to analyze the effectiveness of online education during COVID-19, highlighting important aspects that occurred in that process, and that will undoubtedly help us understand what could be achieved with online education.

After the decree of mandatory confinement due to the COVID-19 pandemic, the educational society had to adapt to another way of studying, starting to develop in an online format, which is a great challenge for both teachers and teachers. , as for the students, since they did not have relevant training in online education.

In Saint Petersburg, Russia (Lalduhawma1, 2022), Effectiveness of an online language course during Covid-19. The objective of this study is to analyze the importance of an English course during the COVID-19 pandemic. With our research questions directed to students and teachers, an evaluation was carried out to identify beneficial aspects of online classes during COVID-19.

According to (González., 2020) Online education in Nicaragua and COVID-19. The objective of this research is to analyze important aspects of online education during COVID-19, which requires knowing how to teach and how to teach that knowledge.

Regarding the local investigation, none related to the investigation is shown. The main objective of this research is to analyze the effectiveness of online education in the English language learning process during COVID-19, likewise, the specific objectives of this research are: To describe the impact that online education had with the arrival of COVID-19 at the Bernilda Morales school, Muy Muy, on 4th-grade students in the second semester of 2020.

The research approach was qualitative since it uses data collection without numerical measurement and adapts to the characteristics and needs of the research.

The research was carried out through a phenomenological study since lived experiences of the topic can be understood and the population that was included in said research was taken into account, which was 20 fourth-grade students, 12 girls and 8 children, and the participation of the teacher, to whom an interview and survey were applied to complement the research.

II.JUSTIFICATION

The following research is focused on the effectiveness of online education during COVID-19 since it caused a great impact on the teaching process in 2020 due to the confinement that year had to avoid contagion of the virus to save lives. . of many. Currently, online classes are not being held because we have returned to face-to-face classes, but it is important to assess aspects and skills obtained from the methodologies used.

The research could find very valuable tools to implement within the educational field in the coming years. For this reason, students and teachers could take advantage of the results. The appropriate use of platforms created with educational designs could provide a more effective way of teaching English at a time when it is necessary. It is characterized by being a modality of limited scope in student learning, a little tedious when using the platforms because students from rural areas, access the digital environment. Better preparation is expected and that this is not something new for new generations, which could undoubtedly be necessary.

This research will allow us to know the results that online education provided and how beneficial this teaching process was. A real problem is teaching when students have difficulty understanding or learning becomes boring and not taking their preferences into account.

III. OBJECTIVES

Aim

To analyze the effectiveness of online education in the English language learning process during COVID-19 of second-grade students at school Berlinda Morales 4th grade, Muy Muy, 2nd semester 2023.

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Objectives

To describes the impact that online education had with the arrival of COVID-19 at the school Bernilda Morales, Muy Muy, on 4th-grade students in the second semester of 2020.

To evaluate the effectiveness of online education in learning process of English language in times of pandemic for fourth-grade students at the school Bernilda Morales, Muy Muy, second semester of 2020.

To determine the advantages and disadvantages that were obtained with online education in times of pandemic at the school Bernilda Morales, Muy Muy, in fourth-grade students in the second semester of 2020.

IV. THEORETICAL FRAMEWORK

4.1. Online classes.

4.1.1. <u>Defenition.</u>

According to (Chirino, 2021) Virtual education, it frames the use of new technologies, towards the development of alternative methodologies for the learning of students from special populations who are limited by their geographical location and the time available.

In accordance with Chirino, virtual education refers to the use of technology as a learning option, with methodologies suitable for students with limited location and time characteristics.

Chirino the idea has advanced that...online education has very different characteristics from traditional education, it is an education system based on the use of technology where teachers and students are not in the same place and the schedules adapt to the time of both the teacher and the student. student, being a learning alternative in which the student builds his knowledge and the teacher provides tools to build it.

4.1.2. <u>Effectivness.</u>

According to (Rojas, 2019-2021) From the educational aspect, the transition from traditional education, based on in-person schooling, to virtual education, certainly involved an abrupt change that took all members of the process by surprise. Educational: students, teachers, parents, and administrators. , among others. In this framework, a greater response capacity was required from families for school support, especially for younger students. That this reality is presented as heterogeneous, since those parents with a higher level of training were in better conditions to accompany the educational process of their children, unlike families where dysfunctional families lie.

As per Rojas online classes have demonstrated their effectiveness in recent years, in the main way of teaching millions of children. This resource is ideal for families who cannot travel or send their children to school for a long time.

Rojas says that, the effectiveness of online education leads teachers to prepare better and use more instructive methods so that students understand that self-study will open many doors for them in the future. Especially when COVID-19 attacked us, it is one of the main benefits of online learning for children, since it allows them to stay up to date with their studies without losing the school year due to not being able to be present in the classroom, which would allow a greater inclusion in the educational system.

4.1.3. <u>Importance.</u>

According to (Cienfuegos, 2016) it is a flexible, dynamic, and adaptive learning modality to the environment in which it is developed. It is of practical use, links its programs with the needs of students who are in a remote location, develops self-esteem, and creativity, and enriches knowledge and learning.

Cienfuegos believes that it frequently happens that it is not a single person but a small group from the same community who takes the distance course and by including these people we would be able to provide education to everyone.

Cienfuegos tells us that one of the biggest problems of distance education is originating from the needs of a small population, with special interests, to satisfy deficiencies that arise in these populations, since sometimes different situations arise, but with online education, many of These people benefit, therefore it is important to develop different methods of teaching with technology.

4.1.4. <u>characteristic.</u>

"According to (Murcia, 2006)As for the characteristics of online education, Kearsley mentions: Authenticity without limits of place and time, multisensory experience, connectivity, resources on platforms, and flexible and independent learning. Some of these characteristics are occasionally evident in traditional education."

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Building upon Murcia, it can be inferred that online education has many characteristics that are also evident in traditional education, some of them such as authenticity, time, place, platforms, and more.

From Murcia, we can infer that online education has undoubtedly been very useful since it has characteristics that adapt to students and teachers such as the time in which it is studied, the place, the use of platforms, and more.

4.1.5. Platforms.

"According to (Cortina, 2020)The global crisis due to COVID-19 has forced public and private schools around the world to close their campuses and transfer classrooms to the virtual world. Most education facilities have online platforms for their students and teachers. However, for some, it is something completely new so they have had to adapt to the new study models with a healthy distance as a preventive measure."

Cortina the idea has advanced that as part of its tools, it has an educational plan that allows you to create classes based on visual projects through intuitive elements.

Cortina believes that try to integrate all Google tools, including Documents and Drive, where content is automatically archived in folders. Its ease of access is one of the advantages, since the only thing you need is the URL of the "room" you want to access, to extract information from the different websites and be able to send the files through the applications indicated by the teacher.
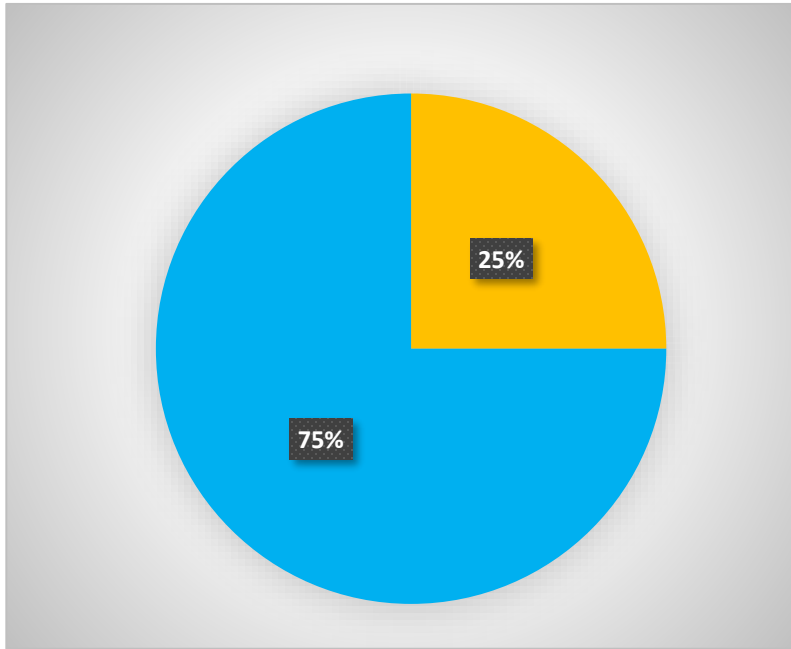
Grafic 1 Use of the online platform

Numerical graph two shows that 75% of the students highlight the usefulness of the platforms in online education, while 25% of the students do not consider that the platforms were useful in online education.
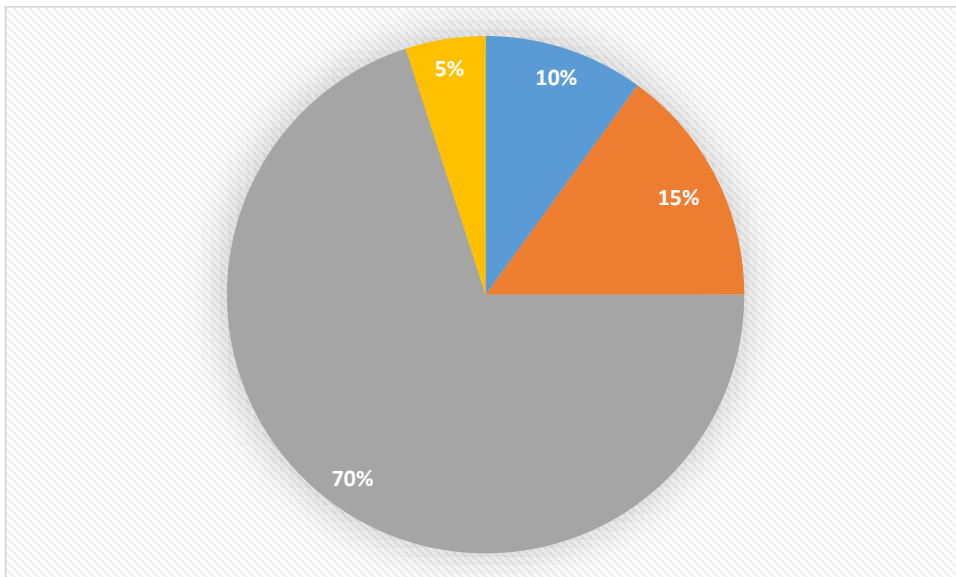
Grafic 2 platforms were most used in online education during the pandemic.

These were the platforms used in times of pandemic:

- WhatsApp 70%

- Moodle 5%

- Classroom 15%

- Canva 10%

4.2. Effectiveness

4.2.1. Quality

The Ministry stated that for virtual quality the process is the same and what changes is the modality ((Carolina Ruiz, 2019)

From Carolina, we can infer that virtual education is of quality with different teaching strategies but with a learning achievement equal to traditional education. What changes is the modality in which classes are held?

Tells us that over the years, traditional or in-person education has been rated as the best acquisition of knowledge, however, going through a pandemic situation affected our lifestyle including education, since in-person classes were suspended, that is where It emphasizes the quality results that were obtained at that time, which is why today online education and face-to-face education have a similar level of learning.
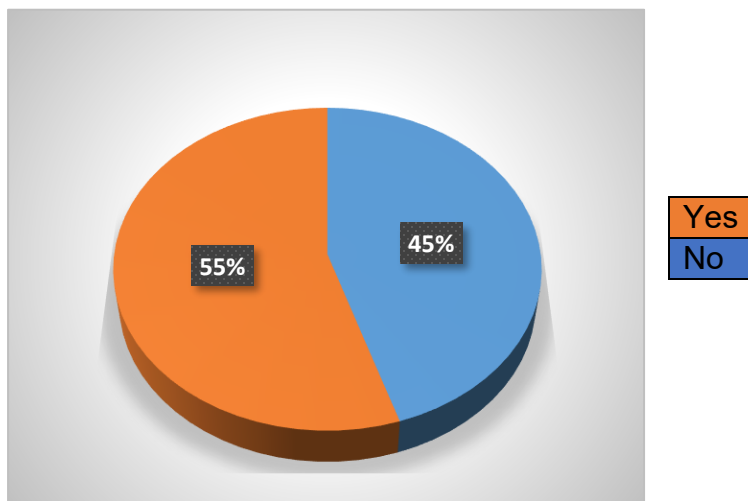
Grafic ₃ Quality learning during COVID-19.

Numerical graph 1 shows that 55% of students claim that they achieved quality learning with online education, while 45% of them claim that they did not achieve quality learning.

4.2.1. <u>challenges</u>

"According to (Valero, 2020)One of the biggest challenges that arise in education in times of pandemic is access to the digital medium, however, schools and universities will have a long way to go to travel, learn from these experiences, and improve so that students from any institution can provide them with the comforts, means and quality education to avoid bias educational and be able to be on par with other institutions that are carrying out this process educational, despite this, the greatest concern is the students in rural areas, who do not have access to digital media."

Valero says that access to digital media, in times of pandemic, is one of the greatest challenges that arise in education; On the other hand, universities and schools will face many adversities and will have to learn from these experiences so that they are guaranteed comforts, resources and a better education, avoid educational prejudices and have the opportunity to be at the same level as other institutions. who carry out this process, the greatest concern is caused by students in rural areas who do not have access to digital media.

Believe that the great difficulty encountered during COVID-19 is the greatest challenge is to have access, better education needs to be provided and the institutions that are in charge of this process must be taken care of, to ensure that there are no educational gaps in all areas, but more in rural areas which lack these means.

4.2.2. <u>Evaluation</u>

"According to (Evaluation in times of COVID-19, 2021)The evaluation is a relevant activity to approach understanding the way the student is appropriating, using, and structuring the concepts studied. This time of pandemic has meant that evaluation activities, such as feedback, do not have the same connotation. for the students, as it does in person, as expressed by the teachers. The above implies that progress is very slow or there are simply setbacks in the training intended in the different micro curriculums."

Based on evaluation in times of COVID-19, it can reasonably be deduced that one way to know the academic performance of each student is the evaluation, which assesses knowledge of the concepts studied. During COVID-19, it has been seen that exclusive evaluation activities in feedback are not carried out in the same way as in face-to-face classes, according to what teachers said, otherwise, there would be little progress or setbacks. in the formation.

says that evaluation is the way to measure students' knowledge. During the pandemic, different measures had to be taken to carry out this process, since the evaluation was done through platforms hoping to see progress in the area of training.

4.3.   **English learning process**

4.3.1. <u>Benefits.</u>

"According to (Anderson, 2020)One of the biggest benefits of online learning is its adaptability. The methodology can be modified and adjusted to better suit the student's learning processes. And, as a University of California study shows, students feel more comfortable participating and engaging online. However, it is still important to note that students' attitude plays an important role in their success in taking online courses. Students have more personal ownership in an online environment, which means they must also practice self-discipline and responsibility."

Building upon Anderson, it can be inferred that among the highest assets in online education is adaptation over time. The technique can be changed and adapted to best fit each student's training procedure. According to research from the University of California, students at that university perceive comfort in being part of and committing to online education. On the other hand, it is still important to emphasize the position of the students, which plays an important role when opting for online education. Students interact on their own through digital platforms, this means that they must be self-disciplined and responsible.

Tells us that given the evolution of education to safeguard people's lives and take into account the circumstances, online education has proven to play an important role in education. An important aspect is that it can be adapted to the time each person has.
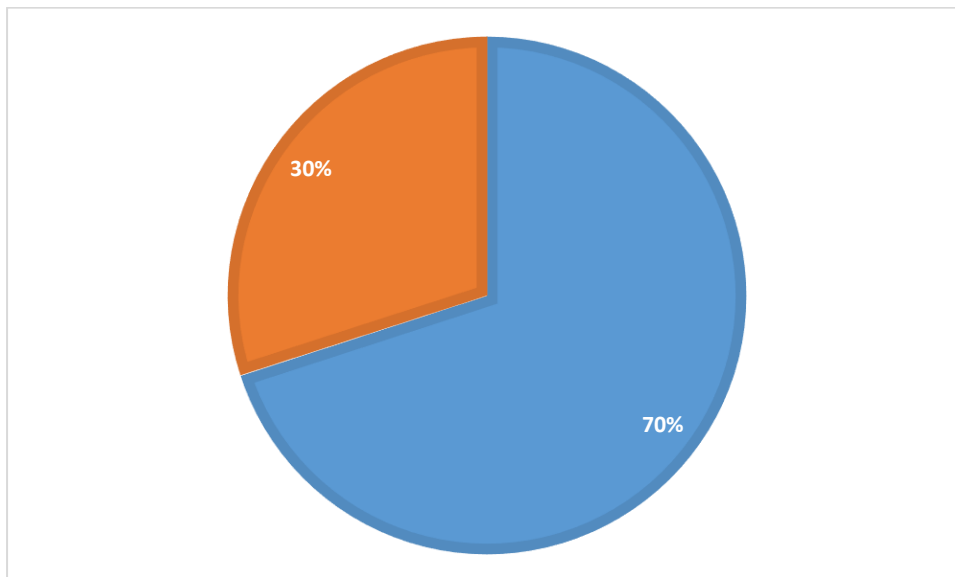
Grafic 4 Benefits of learning the English language during COVID-19.

In numerical graph number 3 it shows that 70% of the students obtained benefits from online education while 30% did not obtain benefits.

4.3.2.Types

"According to (Fuentes, 2020) the virtual platform, allows the student to manage their learning. In the virtual modality, there are two main types of learning: synchronous and asynchronous. In synchronous learning, there is an interaction between the teacher and students. They can interact with the teacher and with their classmates. Inquiries can be made during class and are solved right there. Asynchronous learning is learning that can be carried out live or while disconnected through videos, material, or resources previously provided by the teacher, the student learns at his own pace and manages his time to take each subject, That is to say, there is no real-time communication, but it offers the possibility that User contributions are registered on the virtual platform, allowing the student manage their learning."

The idea has advanced that Fuentes the main types of learning in the virtual area: are synchronous and asynchronous. When classes are given synchronously, the teacher can interact with the students, and if there are questions they can be resolved immediately. If we talk about synchronous learning, the classes are obtained in a "live" or being disconnected, either with videos or according to the materials provided by the teacher, the student learns in a way that he can assimilate or adapt to his time for the approval of each subject, communication does not occur in real-time, students manage their learning on digital platforms when they want.

Believes that graphIn the virtual environment, the classes are developed synchronously and asynchronously, the way they are carried out synchronously is that the classes are given in real-time, teacher and student, on the other hand, the classes are carried out asynchronously the student adjusts in their time and executes their learning with videos or material provided by the teacher. Numerical number 3 shows that 70% of the students obtained benefits from online education while 30% did not obtain benefits.

4.3.3. Impact.

"According to (Rojas, 2019-2021)From the educational aspect, the transition from traditional education, based on in-person schooling, to virtual education, certainly implied an abrupt change that took by surprise all members of the educational process: students, teachers, parents, administrators. , among others. In this framework, a greater response capacity was required from families for school support, especially for the youngest students. It should be noted that this reality is presented as heterogeneous, since those parents with a higher level of training were in better conditions to accompany the educational process of their children, in contrast to families where dysfunctional families lay."

In accordance with Rojas the arrival of COVID-19, traditional education underwent radical changes, at an unexpected moment in the educational area: students, teachers, parents, among others. Parental support was necessary in education, with more focus on younger children. It is important to note that it is being represented as something diverse, parents with higher knowledge of training were able to help their children to complement the learning process.

The idea has advanced that the traditional training process had radical changes where online education was part, causing an impact on parents, students, and teachers. Parents got involved and those who had better knowledge worked better in supporting their children.

4.4. Online learning.

4.4.1. Definition.

"According to (internet, 2020)In this modality, digital media such as videos, audio, digital books, visual material, links, etc. are used. It is also common for communication with the teacher to be via email and to achieve interaction with the student, forums, and chats are used to help maintain interest in the class. The digital era revolutionized many aspects of daily life and the education sector was no exception to this, since years ago students could only access education in person."

Based on Internet, it can reasonably be deduced that currently, thanks to technological advances and the implementation of ICT (Information and Communication Technologies), people can have access to online education from their own homes, facilitating learning and improving the experience of our students.

Tells us that online education also known as distance education is an innovative way of learning and teaching that adapts to different levels and studies. As technology advances, online classes improve whether in applications, platforms, forums, etc That is why it is important to train the teachers of these schools to teach a very good class.

4.4.2. Techniques

"According to (Gostudent, 2021)It is indisputable that education has changed radically in recent years, partly due to the pandemic and partly due to the new possibilities that technological advances have provided us. Choosing what type of education is best for you is a complicated and very personal task, the options are endless but not all of them will satisfy your needs as a student."

From Gostudent, we can infer that There are irreconcilable differences between face-to-face education and distance education. The spaces in which training takes place are different. The main characteristics present obstacles of a different nature, for which we must take advantage of the means and strategies they generate.

The idea has advanced that is why we must keep in mind that in distance education, autonomy is essential. Education is in your hands. Unlike in-person education, self-management of time is the responsibility of the student. Therefore, it is vitally important to know one's limits and organize a calendar around the set objectives, to improve the quality and teaching technique.

4.4.3. Advantages.

"According to (Gordon, 2022) Education from home is ancient. Although the COVID-19 pandemic forced students to do so from their homes; Studying at home is not a new concept. In fact, according to the book 'Centuries of Tutoring' by Edward Gordon, domestic education was common between the years 1600 and 1700, the novelty of our times involves technology as a fundamental part of the transition period towards a more digital world in all areas, including education."

Building upon Gordon, it can be inferred that Technology and the Internet have evolved in many areas of our daily lives, radically changing the way we access information, communicate ways of working, learn, etc.

Says that by making this possible, students will obtain many advantages when finishing their studies since they will be advanced in this world of competition and development of each individual, thus there will be less harassment, competition, and irresponsibility, among others.

4.4.4. Disadvantages.

According to (Gordon, 2022) certain aspects are lost when opting for this form of teaching, such as social skills and digital disconnection. The school allows students to develop skills that cannot be obtained from individual study due to community teaching.

Based on Gordon, it can reasonably be deduced that whatever methodology you choose for your students, some of the disadvantages of online education lead us to think that it is the best option.

Tells us that these disadvantages must be taken very seriously because the student loses certain factors, that are important in society, this leads parents to visualize and proceed to guide their children so as not to create mediocre students in this teaching method.

V. ANALYSIS AND INTERPRETATION OF RESULTS.

Regarding to specific objective number 1, describe the impact that online education had with the arrival of COVID-19 in the second semester of 2020, to answer this objective, question 16 of the interview with the teacher. What impact did online education have on the English learning process during COVID-19?

The data obtained from this question shows that online education had a great impact since it was the only means to counteract the educational situation during COVID-19, in the same way, this data must be taken into account when considering what is addressed in the theory of (Rojas, 2019-2021) From the educational aspect, the transition from traditional education, based on in-person schooling, to virtual education, certainly involved an abrupt change that took all members of the process by surprise. educational: students, teachers, parents, administrators, among others.

In this framework, a greater response capacity was required from families for school support, especially for younger students. It should be noted that this reality is presented as heterogeneous, since those parents with a higher level of training were in better conditions to accompany the educational process of their children, unlike families where dysfunctional families lie. Although online education arrived suddenly, it caused a great impact on education and as a result of that, training programs are being implemented to better implement technology in education.

Regarding to specific objective number 2, evaluate the effectiveness of online education in the English language learning process in the times of pandemics for fourth grade at school Benilda Morales, Muy Muy, the second semester of 2023, to answer this objective

The data obtained from this question shows that online education came as an alternative to not postponing classes and the results were satisfactory. These data agree with the theory of (M.D., 2021) Online teaching and learning have their charms.

Research conducted by Sh! ft indicates that students assimilate 5 times more content thanks to resources for virtual classes, without having to invest more time in it. Virtual learning is effective, but having a platform that facilitates it is a great driver, since according to the previously mentioned study, e-learning achieves a retention rate between 25% and 60%, in contrast to 8 % and 10% of face-to-face classes. Although online education is here to stay and with it new opportunities that will undoubtedly constitute a valuable instrument in learning and its effectiveness, it is rated increasingly better.

Regarding to specific objective number 3, determine the advantages and disadvantages that were obtained with online education in times of pandemic at the Bernilda Morales school, Muy Muy, in fourth-grade students in the second semester of 2020, to respond to this objective, Question 20 of the teacher interview. What were the advantages of online education in the learning process, during COVID-19? and question 21 of the teacher interview: ¿What disadvantages did online education have in the learning process during COVID-19?

The data obtained from these questions indicate that there were advantages and disadvantages in online education because students adapted to different environments from face-to-face to virtual. These data agree with the following theory of (Gordon, 2022) Education from home is ancient. Although the COVID-19 pandemic forced students to do so from their homes; Studying at home is not a new concept.

In fact, according to the book 'Centuries of Tutoring' by Edward Gordon, domestic education was common between the years 1600 and 1700, the novelty of our times involves technology as a fundamental part of the transition period towards a more digital world in all areas, including education. Online education not only brings with it disadvantages but also advantages that are very beneficial for education that today go hand in hand with digitalization.

VI.   CONCLUTION.

This research analyzed the effectiveness of online education in the learning process during COVID-19.

To carry out this investigative work, the impact that online education had during the confinement due to COVID-19 was studied, which provided us with the necessary guidelines to support the findings found through the instruments applied, according to the interview carried out. to the teacher, this provided us with data from their experience according to the social and educational context in which this research has its focus.

We also focused on evaluating the effectiveness of online education. We found a positive response because it came as a great alternative to not postpone classes and satisfactory learning results were shown, as confirmed by the teacher through the interview carried out. Therefore, we conclude that:

Only through online education could the educational area be covered in the second semester during COVID-19.

It produced a great impact, and to this day the techniques and platforms discovered at that time continue to be used to reinforce students' knowledge.

Likewise, online education has its advantages and disadvantages in the learning process, but it is important to mention that it is very useful since they are still part of the educational field.

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APPENDIX

Appendix nº1 variables operationalization.

Variable	Dimensions	Indicators	Scale	Questions	Techniques	Conducted to
Effectiveness of online education	Effectiveness of online education with the use of technology.	Definition	Open	How do you define online education during COVID-19?	Interview	Teacher
		Effectiveness	Open	How effective do you think learning English was during COVID-19?	Interview	
		Importance	Open	What was the importance of online education during COVID-19?	Interview	Teacher
		Characteristics	Open	What characteristics did online education have during COVID-19?	Interview	Teacher
		platforms	Closed Closed	How useful were the platforms in online education? What types of platforms were most used in online education during the pandemic in learning the English language?	Survey Survey	Student Student
	Effectiveness of online education in the second semester of 2020 during covid-19.	Quality	Open Closed	What quality was online education in learning the English language during COVID-19? Did you think that with online education it was possible to have quality learning?	Interview Survey	Teacher Student
		Challenges	Open Open	What were the challenges in online education after confinement by COVID-19? How difficult were the challenges presented during the second semester of 2020 for you during COVID-19?	Interview Interview	Teacher Teacher
		Evaluation	Open Open	How did you evaluate in the second semester of 2020 during covid-19?	Interview Interview	Teacher Teacher

				Was the evaluation useful for you in the second semester during COVID-19?		
Learning process of English.	Benefits of online education in the learning process of the English language.	Benefits	Open Closed	What were the benefits that allowed you online education during COVID-19? ¿Do you consider that online education gave you benefits in English learning during COVID-19?	Interview Survey	Teacher Student
		Types	Open	How was online education classified?	Interview	Teacher
		Impact	Open Open	What impact did online education have on the English learning process during covid-19? Why did online education have a great impact on education during COVID-19?	Interview Interview	Teacher Teacher
	English process on online education learning settings.	Definition	Open	What techniques were used with the online modality to achieve satisfactory learning?	Interview	Teacher
		Techniques	Open	What techniques were used with the online modality to achieve satisfactory learning?	Interview	Teacher
		Advantages	Open	What were the advantages of online education in the learning process during COVID-19?	Interview	Teacher
		Disadvantages	Open	What disadvantages did online education have in the learning process during COVID-19?	Interview	Teacher

Appendix nº2 Interview with the teacher.

UNIVERSIDAD NACIONAL AUTÓNOMA DE NICARAGUA - MANAGUA

FACULTAD REGIONAL MULTIDISCIPLINARIA - MATAGALPA

Interview aimed at Teachers of English

1. How do you define online education during COVID-19?

2. How effective do you think learning English was during COVID-19?

3. What was the importance of online education during COVID-19?

4. What characteristics did online education have during COVID-19?

5. What quality was online education in learning the English language during COVID-19?

6. What were the challenges in online education after confinement by COVID-19?

7. How difficult were the challenges presented during the second semester of 2020 for you during COVID-19?

8. How did you evaluate in the second semester of 2020 during covid-19?

9. Was the evaluation useful for you in the second semester during COVID-19?

10. What were the benefits that allowed you online education during COVID-19?

11. How was online education classified?

12. What impact did online education have on the English learning process during covid-19?

13. Why did online education have a great impact on education during COVID-19?

14. What techniques were used with the online modality to achieve satisfactory learning?

15. What techniques were used with the online modality to achieve satisfactory learning?

16. What were the advantages of online education in the learning process during COVID-19?

17. What disadvantages did online education have in the learning process during COVID-19?

Appendix Nº3 Survey to students

UNIVERSIDAD NACIONAL AUTÓNOMA DE NICARAGUA - MANAGUA

FACULTAD REGIONAL MULTIDISCIPLINARIA - MATAGALPA

Survey aimed at 4th graders

1. How useful were the platforms in online education?

☐ Excellent

☐ Good

☐ Regular

☐ Bad

☐ Very bad

2. What types of platforms were most used in online education during the pandemic in learning the English language?

☐ Camba

☐ Classroom

☐ WhatsApp

☐ Zoom

3. Did you think that with online education it was possible to have quality learning?

☐ Yes

☐ No

4. Do you consider that online education gave you benefits in English learning during COVID-19?

☐ Yes

☐ No

Appendix 4. Analysis and interpretation of results table.

	Objetive 1	Objetive 2	Objetive 3
Specific objetive	Describes the impact that online education had with the arrival of COVID-19 at the Bernilda Morales school, Muy Muy, on 4th-grade students in the second semester of 2020.	Evaluate the effectiveness of online education in the English language learning process in times of pandemic for fourth-grade students at the Bernilda Morales School, Muy Muy, second semester of 2020.	Determine the advantages and disadvantages that were obtained with online education in times of pandemic at the Bernilda Morales school, Muy Muy, in fourth-grade students in the second semester of 2020.
Questions - Results – Summary. Paraphrase the results that you have after the data processing.	question 16 of the interview with the teacher. What impact did online education have on the English learning process during COVID-19? As seen in their response, online education was effective and its results were satisfactory.	Question 2 of the teacher interview how effective do you think learning English was during COVID-19? As can be seen in his response, he states that online education arrived as an alternative to not postponing classes and the results were satisfactory.	Question 20 of the teacher interview. What were the advantages of online education in the learning process, during COVID-19? and question 21 of the teacher interview: ¿What disadvantages did online education have in the learning process during COVID-19?
Interpretation of results.	The data obtained from this question shows that online education had a great impact since it was the only means to counteract the educational situation during COVID-19.	The results show that online education came as an alternative to not postponing classes.	The data obtained from these questions indicate that there were advantages and disadvantages in online education because students adapted to different environments from face-to-face to virtual.
Theory and literature review – implications.	(Rojas, 2019-2021) From the educational aspect, the transition from traditional education, based on in-person schooling, to virtual education, certainly involved an abrupt change that	(M.D., 2021) Online teaching and learning has its charms. Research conducted by Sh! ft indicates that students assimilate 5 times more content thanks to resources	(Gordon, 2022) Education from home is ancient. Although the COVID-19 pandemic forced students to do so from their homes; Studying at home is not a new concept. In fact, according to the book 'Centuries of Tutoring' by

	took all members of the process by surprise. educational: students, teachers, parents, and administrators. , among others. In this framework, a greater response capacity was required from families for school support, especially for younger students. It should be noted that this reality is presented as heterogeneous, since those parents with a higher level of training were in better conditions to accompany the educational process of their children, unlike families where dysfunctional families lie.	for virtual classes, without having to invest more time in it. Virtual learning is effective, but having a platform that facilitates it is a great driver, since according to the previously mentioned study, e-learning achieves a retention rate between 25% and 60%, in contrast to 8 % and 10% of face-to-face classes.	Edward Gordon, domestic education was common between the years 1600 and 1700, the novelty of our times involves technology as a fundamental part of the transition period towards a more digital world in all areas, including education.
Reflective analysis	Although online education arrived suddenly, it caused a great impact on education and as a result of that, training programs are being implemented to better implement technology in education.	Although online education is here to stay and with it new opportunities that will undoubtedly constitute a valuable instrument in learning and its effectiveness, it is increasingly better valued.	Online education not only brings with it disadvantages but also advantages that are very beneficial for education that today go hand in hand with digitalization.