

INFLUENCE OF TECHNOLOGY ENHANCED LANGUAGE LEARNING (TELL) FOR MINORITY LANGUAGE PRESERVATION AND TEACHING EFFORTS FROM STUDENTS' AND TEACHERS' PERCEPTIONS

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Annotation

Comprehensive educational technology is the widespread practice of development, design, management, utilization, and the overall evaluation process and learning resources. Furthermore, the process of blended learning, a system of learning management, and virtual classrooms are the technological processes that teachers are adapting now for language learning. The application of technology has also facilitated an individual's language learning effectively. Prior studies have outlined that the inception of technology has enabled teachers to imply classroom activities for effectively increasing the language learning process. The continuous development of technology has facilitated the teachers to develop their skills and facilitated the learning process for the students. The inception of technology has had a massive impact on the process of modern English language learning which has improved the vocabulary and language skills of the students. Presently, technologies have been considered one of the most complementary tools for teachers in the classroom, as they can positively impact the student's learning outcomes.

Keywords: Technology, Practice, Development, Students, English Language Learning.

Introduction

Presently, in the era of technology, the education and learning model has been modified and facilitated by several students to improve their academic achievements. In addition to that, the incorporation of technology has assisted the teachers in understanding the skills and learning gap of the student, which has facilitated them to make effective decisions for addressing the needs of the students. Technology can also establish an authentic and enjoyable learning environment for the students, which may encourage them to make effective decisions to enhance their learning efficiency. In addition, the inception of technology has also enabled

students to improve their vocabulary and language skills while interacting outside the classroom. Nevertheless, English language learning, in particular, benefits from the inception of vocabulary and concepts by including graphics, videos, and pictures. According to several prior studies, it has been interpreted that using digital learning can encourage students to be more attentive in the classroom, which may reflect a favorable impact on the student's learning outcome.

On the other hand, the inception of technology in education can also allow children to cope with their own learning pace, enabling them to gain knowledgeable information regarding the subject they are reading. Moreover, technology can also be considered for assisting early communication, literacy, and language by providing new opportunities such as interactive and intuitive storytelling processes. In addition, this research study has also selected 15 articles to align the purpose of the study with the prior findings. However, technology in the context of language learning is also motivating and stimulating for the students and may reflect a favourable impact on their learning achievement. On the other hand, technology has also enabled teachers to track and monitor students' performance easily. As a result, that allows the teachers to make effective decisions in improving the students' learning efficiency. However, the different part of the study has outlined how technology has facilitated students' English learning process.

I. 2. THEORIES AND DEFINITION

Importance of Technology that enhances language learning

The overall technology within language learning generally transforms the students from passive recipients to active learners and enriches linguistic immersion. On the other hand, general students can also study the English course using several comprehensive apps capable of synchronizing without any internet connection (Ahmadi, 2018). On the other hand, using comprehensive technology for connecting foreign lands and the complete display allows several students to observe and experience the overall language learning process (Hinton et al. 2018). Apart from that, the overall process of language learning is much more interactive and innovative. The widespread technological tools generally give additional resources to several teachers that reach learners with different requirements and strengths.

On the other hand, it also helps engage the learners with numerous opportunities for using the overall language with other people that are capable of applying it. Furthermore, comprehensive technology gives the capability to reach audiences globally. Apart from that, it also allows the teachers to hire learners locally that can access several courses which are to be touted by the speakers of native languages for ensuring immersion (Kessler, 2018).

On the other hand, overall, technology has also opened all the doors for limitless and endless resources (O'Rourke and Walsh, 2020). Furthermore, these comprehensive resources can be accessible to the location of the learners, economic status, and fluency of the language. On the other hand, the overall technology gives the capability to reach audiences worldwide. Apart from that, the process of blending learning helps in combining face-to-face learning and online learning methods.

Technology enhancement in language teaching and learning

The overall technology generally enhances the language learning and teaching methods used to improve and help the language learning process. On the other hand, comprehensive technology enables teachers to adapt classroom activities and enhances language learning. Besides that, technology continues to grow as a tool that helps teachers facilitate language learning for all learners (Aziz et al., 2018).

The overall process includes the *learning theory of behaviourism and* contains several learning processes, such as classical conditioning, observational learning, and operant conditioning method. The general study generally focuses on influencing technology in language learning (Brown, 2021). On the other hand, it has different attitudes supporting English language learners in increasing their overall learning skills using various technologies. Apart from that, there are several essential elements of the learning process that teachers use in their classes to facilitate the language learning process. On the other hand, computers are also regarded as critical instructional instruments within the language classes in which the overall teachers have convenient access to teach. Furthermore, computer technology is also considered by several teachers as becoming an essential part of providing a higher quality of education (Alkamel & Chouthaiwale, 2018). On the other hand, the overall technology generally offers unlimited resources for language learners. Apart from that, it also emphasizes that the teachers must encourage all the learners to find the appropriate activities by using computer technology to become successful in the language learning process. Furthermore, the widespread use of suitable technological materials might be helpful for all learners (Chik et al., 2018). Therefore, general computer-based learning activities improve the learners' cooperative learning process.

Benefits of using the latest technology in language learning

The overall technology generally provides the students with easy-to-access information, fun opportunities, and accelerated learning methods. On the other hand, it typically enables the students to explore new subjects and deepens their overall understanding of complex concepts. Apart from that, the comprehensive benefits of the latest technology within the language learning process include that it is the best complementary method for classroom teachers (Alqahtani et al., 2018). It also consists of comprehensive technology within the language learning process that is much more motivating and stimulates all students to improve their learning process. On the other hand, it is easy to monitor and manage the students' overall progress. Apart from that, it also helps create a unique experience for the teachers and students (Son, 2018). Furthermore, using the latest technology effectively and efficiently helps increase the engagement of several students and the overall learning outcomes.

On the other hand, it also provides several opportunities for both the students and the teachers to personalize the student learning process. Around 98% of the students are performing better in their academics in the process of language learning. On the other hand, it also includes the system of integrated classrooms that help engrave the language learning process. Therefore, through comprehensive technology, teachers can also customize the overall learning process for the overall students (Wichadee & Pattanapichet, 2018). On the other hand, it also improves

general instruction and personalized learning methods. It also helps increase the teachers' overall efficiency and productivity within the classroom regarding their teaching process. Furthermore, these widespread helpful tools can provide exciting activities to teachers and students. Hence, it offers new opportunities for students in their careers and helps several students enhance their language learning process.

II. 3. LITERATURE REVIEW

Findings are one of the essential parts of a research study that can be considered for effectively addressing the research question and purpose. However, in this part of the research study, the researcher has decided to perform statistical analysis based on the information obtained by implementing the quantitative survey method. Apart from that, applying this method has enabled the researcher to get reliable information which can reflect a favourable impact on the outcome of this research study (Abdullaeva, 2023). However, SPSS software has been utilized for assessing the data that have been obtained with the usage of the primary quantitative survey method. Moreover, the following part of the study has outlined how adopting technology has improved the student's educational performance.

Primary quantitative analysis

Frequency statistics

Frequency statistics is one of the reliable parts of statistical analysis that can be taken into account for enhancing the outcome of a study in a more comparative manner. In addition, the application of frequency analysis can also be considered for understanding the frequency percentage of a given data set. On the other hand, the application of frequency statistics can also outline the lucrative information of a data set. According to Mardievna et al., (2020), the application of frequency statistics can also be considered for detecting the number of participants who have agreed or disagreed with a survey. However, the following part of the study has outlined the findings of frequency analysis that can allow the researcher to gain valid information about the implication of technology in effectively enhancing the English learning process. Therefore, based on the frequency statistics, it can be easily outlined that the application of technology has positively impacted the learning outcome of the individuals effectively.

Can technology enhance the process of English learning?					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	23	2.3	23.0	23.0
	2	25	2.5	25.0	48.0
	3	10	1.0	10.0	58.0
	4	39	3.9	39.0	97.0
	5	3	.3	3.0	100.0
	Total	100	10.0	100.0	
Missing	System	900	90.0		
Total		1000	100.0		

Table 1: Frequency statistics

(Source: Developed in IBM SPSS)

In the above, the researcher has illustrated the information obtained by applying primary quantitative analysis. However, following the above table, it can be observed that the majority of the participants have agreed with the fact that technology can be utilized for effectively enhancing the process of English learning. Apart from that, it has been understood from the above table that the maximum number of participants has gained a favourable impact on the process of English learning with the usage of technology as they believe that the application of technology has enabled the participants to gain more knowledge about English learning, as well as has imposed a favourable impact in increasing the participants' vocabulary knowledge. In addition, the participants also believed that adopting technology has enabled them to address the skills and learning gaps effectively.

Descriptive Statistics

Descriptive statistics is another essential part of a statistical analysis that can be taken into account for addressing the expected outcome of an organization in an effective manner. Apart from that, it has been anticipated that the application of descriptive statistics can also be utilized to enhance the credibility and reliability of the findings of a research study. Nevertheless, the application of this approach can also be taken into account for measuring the mean, mode, and median value of a dataset, which can be evaluated for gaining a sustainable point of view regarding the experience of a student on the usage of technology for increasing the learning efficiency of the participants briefly. However, in this part of the research study, the researcher has adopted this approach to understanding the relevance of technology in improving the process of English learning efficiently. The table below has outlined the findings of the descriptive statistics.

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
V1	100	1	5	2.74	1.276
V2	100	1	5	2.69	1.502
V4	100	1	5	3.64	.847
Valid N (listwise)	100				

Table 2: Descriptive statistics

(Source: Developed by IBM SPSS)

In the above table, it can be clearly stated that the application of technology has a massive impact on the learning process. In addition to that, it has been anticipated that the application of technology devices has enabled teachers to adopt effective modes of teaching, which can be utilized to enhance the outcome of a study effectively. Nevertheless, the application of MTT devices has been introduced during the period of Covid 19, which can be utilized for effectively enhancing the financial outcome of the study. The maximum number of students has been strongly agreed with the fact that the utilization of technology devices has succinctly reflected a favourable impact on the process of English learning. Moreover, applying this approach can also positively impact the classroom environment, which encourages the students to deliver their maximum potential in improving their learning efficiency. Apart from that, the participants who disagreed with the statement claimed that they felt that adopting effective technologies had created barriers for them to utilizing their maximum benefit for effectively addressing the learning gap of individuals. Therefore, based on the above findings, the inception of effective technologies has reflected a favourable impact on the process of English learning.

Statistics					
		Do you think that the usage of technology can enhance the process of English learning	Do you think using technology can encourage students to improve their learning outcomes?	Do you think technology can fascinate the teachers to provide effective learning instruction to the students?	Do you think that the implementation of technology can enhance the process of English learning
N	Valid	100	100	100	100
	Missing	900	900	900	900
Mean		2.74	2.69	2.39	3.64
Median		3.00	2.50	2.00	4.00
Mode		4	1	2	4
Std. Deviation		1.276	1.502	1.072	.847
Minimum		1	1	1	1
Maximum		5	5	4	5

Table 3: Descriptive statistics

(Source: Developed by IBM SPSS)

In the above table, the Mean, Median, and Mode values of the data set have been outlined significantly. Moreover, the above table has outlined that nine close-ended questions have been asked to the participants. Apart from that, 100 participants have been selected for this survey to effectively address this study's purpose. In addition to that, the survey findings have also outlined that the application of technology has reflected a favourable impact on the learning efficiency of the project succinctly. According to Masruddin (2014), the inception of effective technologies can easily enable students to grasp essential information that can be utilized to enhance the student's learning outcomes sufficiently. On the other hand, it has also been outlined in this research study that the application of technology can also assist in establishing an effective learning environment that can encourage the students to be more attentive during learning time. Hence, based on the above discussion, it is fair to assume that the utilization of technology has reflected a favourable impact on the performance of the English learning process effectively.

Frequency outcome of the study

The following part of the study has outlined the findings of the frequency analysis of each of the variables of this study.

V1					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	23	2.3	23.0	23.0
	2	25	2.5	25.0	48.0
	3	10	1.0	10.0	58.0
	4	39	3.9	39.0	97.0
	5	3	.3	3.0	100.0
	Total	100	10.0	100.0	
Missing	System	900	90.0		
Total		1000	100.0		

V2					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	31	3.1	31.0	31.0
	2	19	1.9	19.0	50.0
	3	20	2.0	20.0	70.0
	4	10	1.0	10.0	80.0
	5	20	2.0	20.0	100.0
	Total	100	10.0	100.0	
Missing	System	900	90.0		
Total		1000	100.0		
V4					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	6	.6	6.0	6.0
	2	4	.4	4.0	10.0
	3	12	1.2	12.0	22.0
	4	76	7.6	76.0	98.0
	5	2	.2	2.0	100.0
	Total	100	10.0	100.0	
Missing	System	900	90.0		
Total		1000	100.0		
V5					

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	24	2.4	24.0	24.0
	2	34	3.4	34.0	58.0
	3	21	2.1	21.0	79.0
	4	21	2.1	21.0	100.0
	Total	100	10.0	100.0	
Missing	System	900	90.0		
Total		1000	100.0		

Table 4: Frequency analysis
(Source: Developed in IBM SPSS)

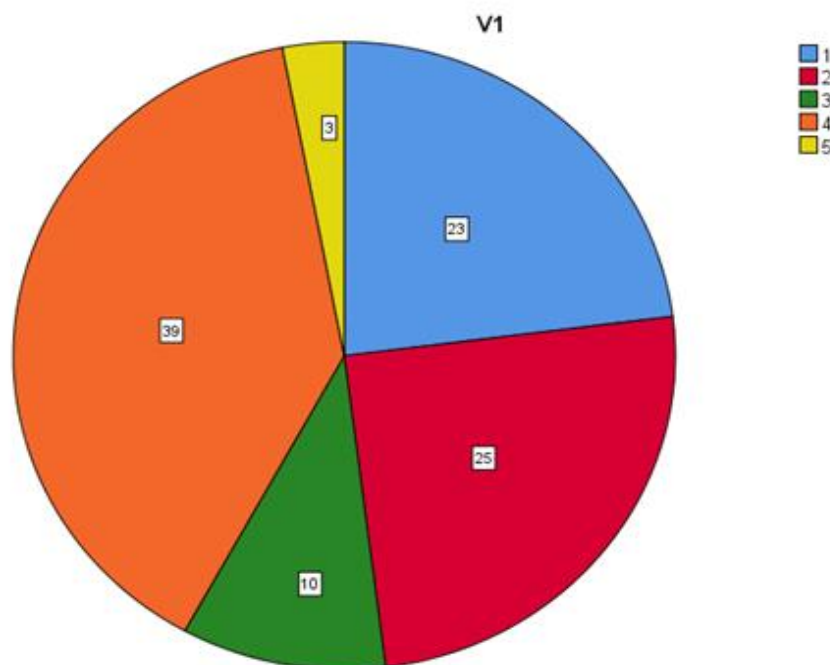


Figure 1: Frequency Pie Chart
(Source: Developed through IBM SPSS)

The above figure shows that the implication of technology has imposed both negative and positive formats of impact on the study's outcome briefly. In addition, it has been outlined that

the maximum number of participants (39) agreed with the fact that the inclusion of technology adapting has reflected a favourable impact on the learning outcome of the individuals concisely.

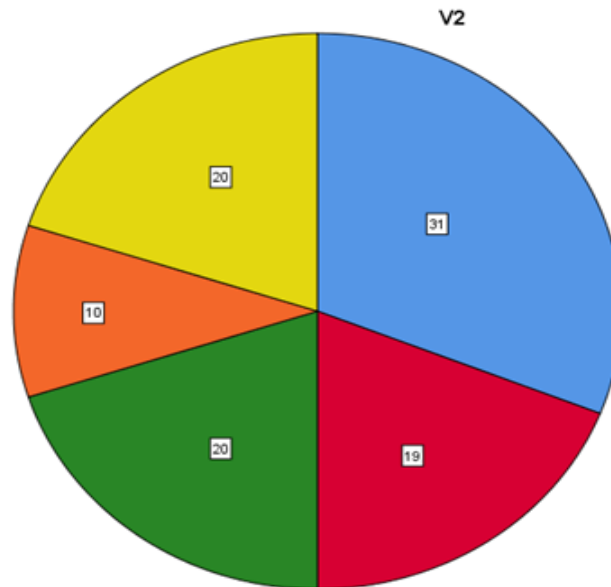


Figure 2: Frequency Pie Chart

(Source: Developed through IBM SPSS)

In Figure 2, it has been outlined that the majority of the participants from the survey have stated that the inception of technology can quickly assist students in improving their learning efficiency effectively.

Regression analysis

Model summary

Model Summary ^{b, c}									
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.420 ^a	.176	.159	2.212	.176	10.392	2	97	.000

a. Predictors: (Constant), V3, V2

b. Dependent Variable: V1

c. Weighted Least Squares Regression - Weighted by V8

Figure 3: Model summary

(Source: Developed through IBM SPSS)

The above figure of this study has outlined that the adjusted R square value of the survey has reflected that .176; as a result, it has reflected that technology is highly credible for succinctly enhancing the students' learning efficiency.

ANOVA Statistics

ANOVA						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	101.736	2	50.868	10.392	.000 ^c
	Residual	474.812	97	4.895		
	Total	576.548	99			

Table 5: ANOVA Statistics

(Source: Developed in SPSS)

From the above table of the study, it has been anticipated that the sig value of the survey is .000^c, which highlights that the study's findings are highly reliable for succinctly addressing the purpose of this study.

Discussion

Once it comes to teaching and learning, technology becomes a significant concern for instructors at every stage of the process, from planning learning experiences to teaching and learning. According to the words of Ahmadi (2018), technology has altered the way languages are taught. The researchers concluded that the use of technology aids students in learning on the grounds of their interests. Additionally, it appeals to the student's visual and aural senses. However, with technology, students can customize their learning experience and access resources that their professors would not otherwise be able to give (Kaya & Mertol, 2022). Students may take charge of their education and also have access to a wealth of material that is otherwise out of their professors' hands.

Teachers and students benefit greatly from the use of technology, which has a considerable impact on their teaching approaches. Instructors can't stay up with new technology if they do not include them in their lessons. Therefore, instructors need to understand these devices to teach language skills ultimately. Equitable access to computer technology knowledge and skills may be achieved regardless of a learner's background. Even though they were born into a technology-driven society, students may lack the ability to use technology effectively.

Furthermore, just supplying technology is insufficient. All learners benefit from the development of technology-based knowledge that is meaningful to them. The phrase "technology integration" refers to a teacher's use of technology to enhance the efficiency and effectiveness of routine tasks and the potential for this use to transform those tasks. An example of technology integration is when a school uses technology to enhance the learning experience. It enhances classroom instruction by allowing students to complete tasks using computers instead of traditional pen and paper.

Technology may be a powerful tool in the classroom. Learners must incorporate technology into their educational process. Teachers must demonstrate how technology may be used in the curriculum to encourage students to utilize it more effectively (Sun & Gao, 2020). Teachers' and students' classroom learning improved due to the employment of computer technology. Teachers can better serve their students' educational requirements using digital technology (AlShareef, 2018). Teachers and students may create local and global communities via computer technology, which connects them to the people and expands their learning possibilities. They went on to say that the extraordinary impact of computer technology in language classes does not occur immediately; it depends on how instructors utilize it. Lecture and discussion methods are not adequate to teach English properly in this way; thus, essential improvements have occurred in the classrooms. A lecture-based class is less successful than one in which students use technology to improve the educational environment.

Teachers who have not studied technology or are not computer experts should find ways to utilize it as a teaching tool for their students. How English is taught has been profoundly altered due to technological advancements (Masruddin, 2014). It has many options for making instruction exciting and more fruitful in growth. Traditionally, professors stood in front of students and used a chalkboard or a whiteboard to provide lectures, explanations, and instructions. This approach needs to be updated in light of technological advancements. Learning vocabulary and grammar structures are made more effortless in the classroom when multimedia materials are used. Print, video, and the internet at the school are examples of how multimedia may help students improve their language skills (Elder, 2014). There is a wealth of information available to students through print, video, or the internet that may be analyzed and interpreted in many ways. However, students' motivation is boosted when they have access to the internet. Video in education helps students grasp the subject matter with excitement and build their knowledge.

On the other hand, once students' study on a computer or the internet, they may get a deeper understanding of concepts and ideas. Higher-order thinking abilities are developed when students use technology in their education. From this research, it can be deduced that engaging students in English language acquisition requires a compelling mix of multimedia and instructional methods.

III. FUTURE STUDIES

This is the digital generation, and in this period, technological awareness is very much needed in every sector. Technology-enhanced language learning, also known as TELL, generally helps to preserve and spread any language (Shadiev et al., 2020). Technology has changed vastly in recent years, including education and language learning. These sectors use technology that helps students who want to learn new foreign languages. This technology helps reduce the time generally spent learning from textbooks. Listening to the audio recording is also a part of this technological enhancement, allowing students to understand the languages easily and quickly. Language learning technology helps to make this easier for both the students and the teachers. This also helps to learn foreign languages in a very procedural and convenient way (Zou et al.,

2018). Students can access those from anywhere and anytime, even if they are not at home or school.

After using the technology, the teachers can improve the quality of their teaching and can also motivate their students to be good users of the language. And by using this technology, teachers can reduce stress levels and work pressure, which also helps teachers plan their studies. Students from this generation believe in digitalization and prefer digital books more than traditional ones. In this way, the technology will help the students to take a break from the conventional education that consists of pen and paper and motivate the students to learn new languages like English. Using the technical tools of language learning, the students can use their points of strength and weaknesses so that they can get a better result in understanding the languages (Bartosh et al., 2017). One of the most valuable aspects of technology in language learning is that there is no time limitation like in the classroom. Every school and college has a specific period for every language and subject.

The students have to understand these subjects within the given time limit. Still, when technology is used in education, students and teachers can access the information necessary to improve language learning. Teachers can also benefit by creating a scorecard tool that helps keep track of a student's marks and helps understand the student's process effectively (Tafazoli et al., 2019). Implementing technology in language learning helps the student be a good and independent learner. The teacher can understand how much the students are practicing their selected language outside of their classroom and also can track the record of the progress of every individual student. The modern education system depends on technologies like the internet and other platforms. Millions of podcasts, blogs, educational shows, online spoken language practice apps, and eBooks are available online. Students can use these applications for better knowledge about the language and better results (Shyr et al., 2018). Generally, students and teachers both use old study materials in the traditional teaching method. Still, with the help of the implementations of technologies, the study materials can be up to date. In this way, the performance of technologies in the language learning field helps better understand the students. Also, it helps the teachers to introduce new teaching methods.

IV. CONCLUSION

After discussing all of the previously mentioned points, anyone can conclude that using technology in the everyday life of human beings is essential. In the education sector, technology implementation is one of the best ideas of this decade. Various studies and research show us that the use of technology in the educational industry helps both the student understand the lessons and helps the teachers properly give lessons to the students. Apart from that, the use of technology also establishes a real-life experience and enjoyable learning environment for the students, which will motivate them to make effective decisions to enhance their learning efficiency. Previous studies help to understand the theory of how much it has helped in the making of an ideal environment for the classroom. The continuous development of technology in the education sector allows teachers to provide education. Many applications in the market and on the internet usually help students understand educational lessons. During the pandemic conditions covid-19, all these applications and technology allowed me to continue studying

students from home without going out to school and college. There are applications like Google Classrooms, zoom meetings, and Google Meet that help to create an artificial environment that is perfect for the educational purpose of the students. In developing countries where English is not used frequently, in those countries, this implementation of technologies helps the most to learn about foreign languages. The main beneficial point of these implementations of technologies for educational purposes is that they can be accessed from anywhere and anytime. So that it will be easier for both the students and the teachers to track the data and information that is necessary for education in an organization; not only this, but the implementation of technology has a massive influence on the process of modern English language learning which has improved the vocabulary and language skills of the students in any organization. Many techniques and methods are used to understand this case study better. After discussing all the necessary points mentioned above, anyone would like to conclude that implementing technology to preserve language learning is a good step. This will also help the students and the teachers to get the best resources that are important for educational purposes.

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