

Research on the practical application of online Japanese learning technology applied to information technology students and job opportunities related to Japanese – Technology

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Abstract:

The purpose of this research is to assess and investigate the possible benefits of applying information technologies to music learning for students majoring in information technology at FPT University. Given the present level of investment in the Vietnamese market, Japanese has surpassed English in terms of relevance and wage worth for each employee. It is not easy, but it takes a long time, which causes many students to become disheartened when studying and practicing. To work with Japanese organizations as a technology engineer or as a technology interpreter, information technology students must have an average level of Japanese. This research focuses on areas of technology that assist students get familiar with the Japanese language and can speak Japanese using online websites in order to make this process move more easily. Japanese online apps featuring indigenous people's participation The findings of this study demonstrated the viability of technology when learners use it directly to offer great value to contemporary human resource demands.

Keywords: Japanese, Technology, It Comtor, Hello Talk.

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1. Introduction

Nowadays, Japanese is one of the languages that attracts a significant number of people to pick from, and it accounts for a sizable percentage of the language market. This raises market expansion as well as the working trend in modern times, which enhances the relevance of the market economy as well as many students' current job problems. The academic trend of language usage and technology is also developing rapidly in many ways, however in the current period, technologies have distortions and continual improvements that enable language learners process in a very short time. This has fostered the use and study of the Japanese language and has grown in power and change, particularly the program that use artificial

intelligence to seek for common language learners via the application. Internet has also helped to solve the issue of geographical distance, allowing all learners to participate in free classes or communicate to locals, increasing the potential for learners to grow better. The goal of this research is to assess the utility and disadvantages of online communication technologies in order to assist information technology students in gaining as much experience as they can in order to develop more successful student work. However, those who study information technology frequently have a quiet personality, which makes becoming a technician who also translates and works as an engineer impossible. As a result of the value of technology, they will become more open about how to solve problems at work, as well as expand their way of speaking and become more familiar with their pronunciation through online communication.

2. Literature Reviews

Technology requires a lot of time for a student to attain a highly professional level as a technology engineer, which not only becomes an issue when the technology engineers wish to advance (Au-Yong-Oliveira & Ramos, 2015). Being a technology translator entails managing projects with a modest level of technical and language expertise. But, it is a truth that many technology experts who have studied Japanese for a long time are unable to achieve a specific level for a variety of reasons, some of which are most likely due to a lack of time. Some engineers are so preoccupied that they are unable to concentrate on their studies. Oxford & Sumrall (1993) has pointed out that the only approach in Japanese is difficult, so engineers cannot explain and have a clear grasp, causing engineers' study time to be delayed. Simultaneously, the language in Japanese is split by area, forcing engineers to have a significant challenge when studying technology since they cannot keep up with the speaking pace of Japanese people based on their geography (De Ridder, 2004). Improved that internet communication solutions will provide value by assisting engineers in becoming accustomed to the voices and speeds that make it simpler for them to converse not only in Japanese.

3. Current Status Of Japanese Language Learning Of Information Technology Students

FPT University is teaching information technology in Japanese to students in the Faculty of Information Technology. Unfortunately, learning progress is relatively sluggish since each of them spends very little time on the Japanese language, for a variety of reasons. There are a few reasons why many IT projects induce stress, causing students to lose concentration on studying

Japanese. Because students are no longer motivated to learn the Japanese language as a result of this, many individuals continue to study at the elementary level but are unable to move to the advanced level. Second, because the time they spend each week is insufficient in comparison to the time required by the lecturer, they cannot continue to study for an extended period of time (Au-Yong-Oliveira & Ramos, 2015). Research on the Japanese language have revealed that when a student reaches the intermediate level in Japanese, he is unable to interact with Japanese at the level of work or in the business, and this is reflected in the vocabulary. If students wish to study Japanese to an intermediate or advanced level, their options are many.

Another requirement for success with the Japanese language is an affinity to Japanese culture as well as a basic comprehension of the Japanese language. Any interest in Japanese culture will interfere because if students do not promote the love of culture, students will be unable to cooperate with Japanese people since their cultures are incompatible. Another point to consider is communication. The Japanese language has more variance and diversity than many other languages in the globe, which is reflected in the regions where locals dwell. Work will be really tough if Japanese cannot speak well with Japanese people. To combat this, students majoring in information technology must communicate in languages other than Japanese. Unfortunately, due to geographical and environmental constraints, it is currently not viable to supply this demand in Vietnam. As a result, communication is a weakness for information technology students.

4. Methodology

This study was carried out to showcase work prospects and information technology students' job opportunities while studying Japanese as a foreign language for four years at FPT University in Ho Chi Minh City. On the other hand, the article also provides online technological solutions to assist students in improving other abilities while learning Japanese, namely communication ability. From there, it is feasible to examine how students with the benefit of studying Japanese would effect the student process where online technology is used for learning. The research subjects are 150 FPT University information technology success students in Ho Chi Minh City. These survey subjects were chosen owing to advantageous space and timing circumstances. The paper used two quantitative and qualitative strategies to enhance data quality and lower the minimal mistake that students did not accurately respond on interview forms.

5. Results And Discussion

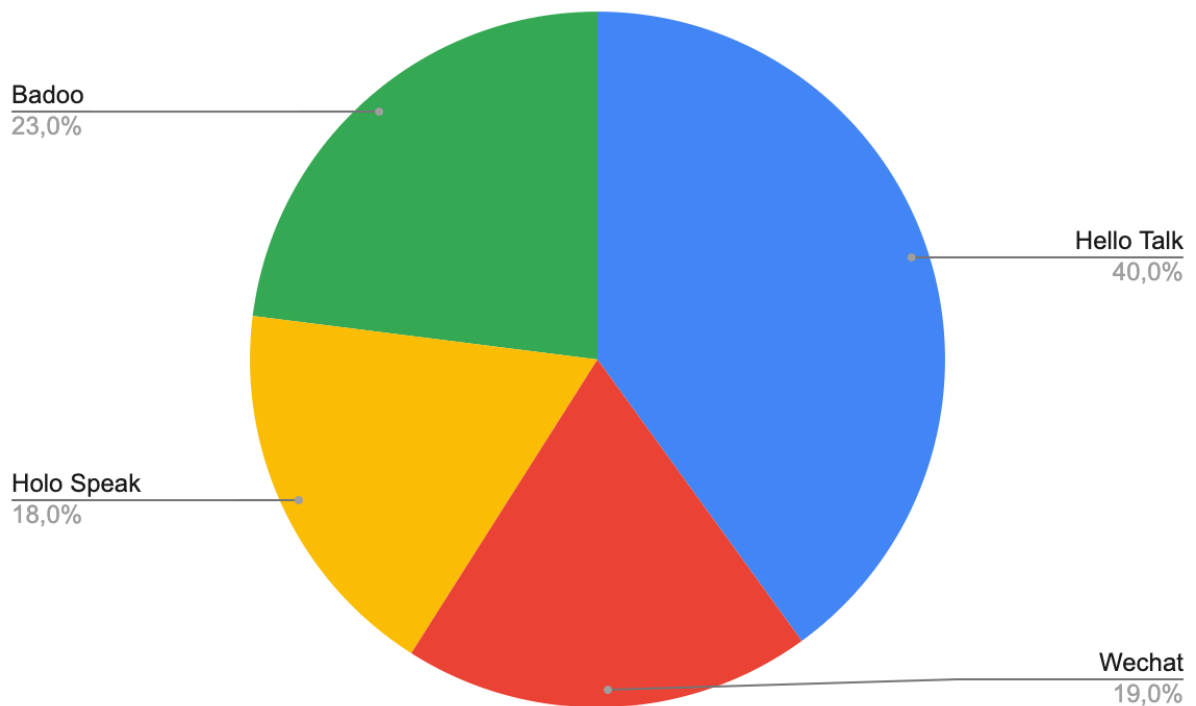


Figure 1: Applications that assist students in speaking with native speakers

After the poll, everyone who participated with a novice Japanese language learner has one common trait, which is communication fiber, which is the primary difficulty. The greatest worry that motivates them to study Japanese. That is why students have been searching for a way known as Hello speak or We chat, Holo Talk. are an internet program that assists them in finding Japanese individuals in Vietnam. Using this application, the Japanese may freely communicate and exchange information. According to the pupils, this has helped them overcome the most difficult barrier of all: connecting with Japanese people. This program operates on the premise that permits learners and natives to pair with one other at any time and in any location using artificial intelligence, which consider to be the application's most amazing feature. This program gives them the opportunity to pick the appropriate level of communication so that they may meet the appropriate native speakers and utilize Japanese at the most basic level. According to students, this software is the best of all since it may aid those with communication issues. But, in the case of communication, the following issues, such as pronunciation and speaking speed, have been handled to an acceptable degree (Figure 1).

Now that technology has advanced to a new level, the internet of things, materials science technology, and quantum machines have touched the technological sectors and increased the speed that people believe should be at an astonishing rate. That is why, as technology advances at such a dizzying rate, it has helped encourage students not just to study at university, but also to study at FPT and other universities in order to grow better and make greater progress. MOOCs (large-scale open online courses) are another type of unique moocs course that is built using the internet's immense capability. Many pupils who have a propensity of self-studying should get more familiar with this form. Students, on the other hand, have numerous particular perks, such as customized online tests and expect professors to respond or engage in learning forums. This has become more valuable and appreciated throughout the world as a result of convenient media that make language learning and practice active on the part of students (Sullivan & Bhattacharya, 2017). This not only changes the world's view of learning a language or any certificate, but also promotes the increase of knowledge among students (Adair-Hauck & Youngs, 2000).

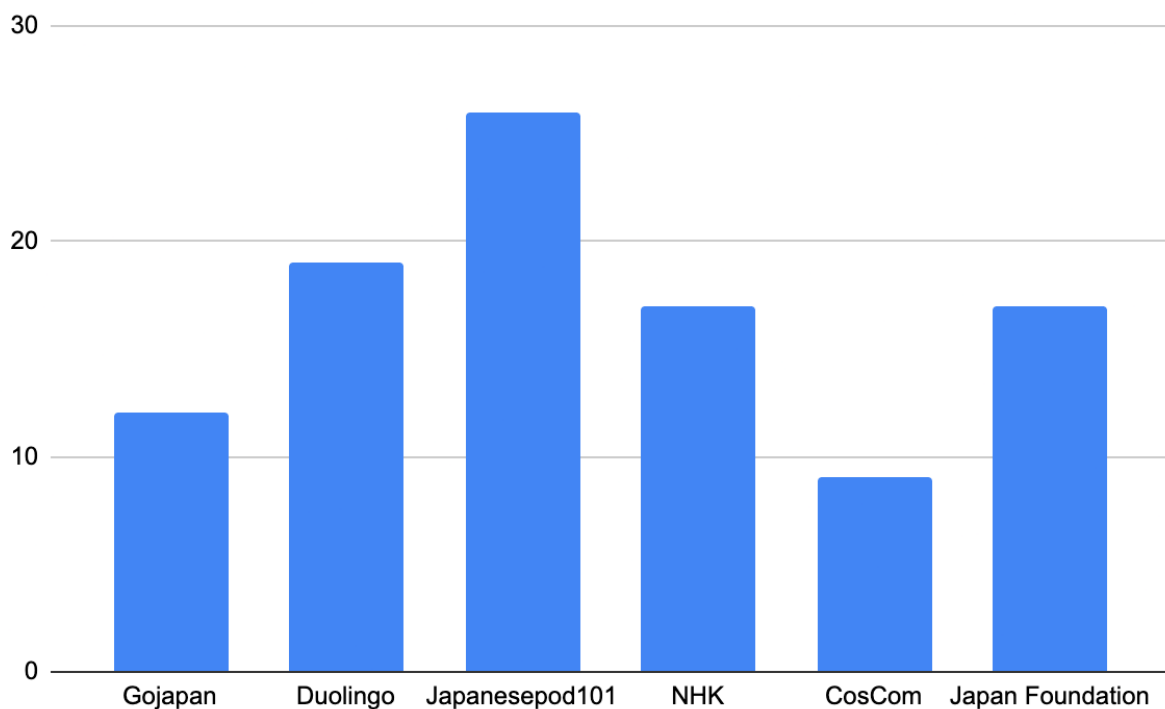


Figure 2: Online Japanese learning applications

According to pupils, language learning has grown easier now that there are many free and paid online applications and websites that teach Japanese. These apps should be recognizable to students because these websites are not just commercial in nature, but the majority of them are

established by significant corporations all over the world. Several governments have participated in quality Japanese language instruction in order to make learning Japanese simpler. Moreover, according to research that the material of the NHK, Duolingo, and Japanesepod101 websites is more appealing to information technology students than other programs (Adair-Hauck & Youngs , 2000). Since the quality and variety of classes available on these websites is quite appealing (Figure 2).

What they inquired about before is fascinating, and the variety of information makes these sites stand out from the crowd. Despite the fact that each student has their unique learning style, the class instructor or Japanese language teacher should provide learning strategies for vocabulary, grammar, listening, speaking, and reading abilities. Rather than concentrating on a certain area of technology, write for a student. Tran & Hasegawa (2022) gave the point that it will be extremely difficult for students to learn Japanese if they do not have the capacity from the context. Students can now discover a legitimate use of technology in their studies. As the world approached 2022, Japanese institutions report that specialized training in information technology is struggling to fulfill the increased demand for high-quality human resources from local and global enterprises (Adair-Hauck & Youngs ,2000). As a result, Japan is constantly in a position to seek more human resources from around the world to replace that resource. Vū et al (2020) though the study that a considerable time to effectively train an IT engineer who understands Japanese at a high level. As a result, a new sort of job called IT Comtor emerged (Terras & Ramsay, 2015). The job entails translating meetings between the Japanese partner and the Vietnamese partner firm.

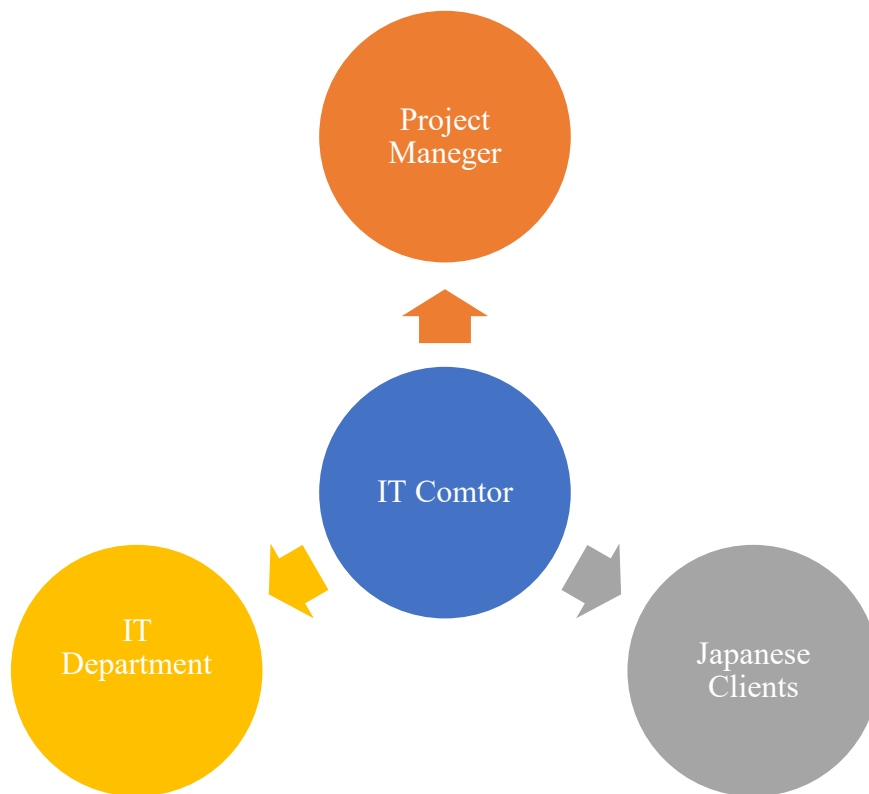


Figure 3: Main functions and duties of an IT comtor

Communication is essential in this line of employment, which involves conversing with Japanese clients, connecting with the development team, and, in the case of major projects, talking with the project's financiers. For high-investment, high-risk organizations, communication and exchange, in particular, must be error-free. As a result, when IT communicators adopt core language patterns and offer all relevant data, communication will be more successful. And the aforementioned communication takes place not just at work, but also outside of work in order to foster mutual understanding (Muranaka, 2022). Especially when conveying the other party's attitude, working style, understanding the other party's stressors and expectations, and understanding the other party's perspective. Eventually, both sides understand each other, it is easier to sympathize. Due to a guest's error or delay in comparison to the first promise, they occasionally have to urge with their partners at Company. There are times when our products have multiple minor defects or errors, or they are slow to deliver. If students are given more responsibilities, they will get overwhelmed, increasing the likelihood of project issues. In larger projects, the role of IT comtor will progressively divide, with the comtor, business key, or technical key jobs being left behind and the focus shifting to progress management and engagement with parties (Harrison, 1998). When a project expands in size, managing progress,

tracking activities, communicating with stakeholders, and meeting with them all takes a substantial amount of time (Figure 3).

6. Conclusion

In summary, students will study a computer language and read more technical material in their spare time. As a consequence, depending on knowledge and the ability to evaluate the conditions of individuals in the organization without disclosing specifics, communication can be harsh at times and gentle at others.

7. Conflict Of Interests

No conflict of interest is noted in the paper.

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