Improving Form 4 Students Summary Telling Ability Through Augmented Reality Method (AR)

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Abstract: As a teaching aid, Augmented Reality (AR) has emerged as a popular tool for improving Form 4 students' learning and this research seeks to explore how AR can help Malaysian students understand and summarize the Tamil novel Vadamalar. The conventional modes of teaching practiced at the moment has its drawbacks in embrace of students and enhancement of understanding, as indicated by low pre-test results. Specifically, this research seeks to find out if the inclusion of AR in the curriculum can facilitate a marked positive change in students' reading behaviour, understanding as well as memory. This study therefore aimed at adopting a qualitative approach and data was obtained from pre- and post-tests administered on students before and after the introduction of the use of AR. Post-tests yielded usable comprehension scores whose range was 85-95 as opposed to the pre-test which had low scores which ranged between 25-50. The presented research indicates that within the process of immortalizing the content through augmented reality the students are provided with a deeper understanding of various literary works. This paper establishes that AR technology is useful in the education/learning process, as it presents students with improved comprehension and learnability of the literary content.

Keyword: Augmented Reality (AR), Form 4 students, Tamil novel Vadamalar

INTRODUCTION

This research is going to be able to make all of us (AR). (AR) is an indispensable part of our life. In our country too, the number of ARs is increasing day by day. (AR) is an important factor in technological development. The feature has evolved. In many places, it is human. We have also made tasks easier and more efficient. In addition, computers are used to perform human resource and human resource functions. It is being reclassified as a learning tool. (AR) Images and sounds of the real world It's a tricky technique to make mistakes. This digital Papers are

part of the real world around Nay. (AR) is used in pythons. for example, Revolution in various sectors including health, transport and manufacturing Establishment.

In the next few years, according to the growth of the Basic Education Delivery by the Government of Malaysia. (AR) It will be created. Thus, learners will be able to compete in Dajan-Z Toddlers do not attend their studies during school days And a lifelong learning process. It is possible to follow the walk. 21st Century Class (AR) will encourage teachers to use it. Teachers Teaching (AR) Learning (AR) Medium of Education Usefulness can be available. For example, teachers are new teaching. Learn about the present and future of a place. Understanding the geographic situation is abstract or intangible. It also helps to teach students about conceptual concepts (AR). However, the (AR) approach learning used by teachers Adaptability of students to teach It has been defined as a confirmation of the right to the assimilation. So, Bags for teachers and students in this (AR) faculty It will provide good. Learning in Schools in Foreign Countries In teaching, (AR) is the best interest of the students. The distraction is unsettling. In the 15th century of Tamil literature, It was a turning point. Social, Political, Educational, Technological

Changes in the holes also affected the shapes. Of New Tamil Literature Tampered. The novel is one of the most important chapters. In our country Forms IV and V as a combined subject Novels are introduced to the students. Alli, Kayalama, Karithundu Naban by Dr. M. Varadarasanar's Pi Novels Textbooks for students. Place in Pyre's mind Liked. In that case, the curriculum is a novel Students are taught. Interest in the Internet To increase the quality of the students, the teachers will teach the It is necessary to breastfeed. In that office, Form Four The students are the author of the novel Vadamalar through the AR approach. The abbreviation is called Lavappana.

Background Of Study

Kurikulum Bersepadu in Curriculum for Secondary Schools, 2017 Sekolah Menengah (KBSR) was introduced on the website. In 2018, It is renamed Kurikulum Standard Sekolah Menengah (KSSM)

Cracked. This scheme is also for Tamil Literature It is being processed. Separate textbooks for this subject Provided. These textbooks are one for five years. Updates. Presently, "Pisiranthaiyaar Drama" and "The Novel" and "The Novel" are included in the syllabus Miscellaneous. Tamil Literature is an important subject in SPM Vadamalar. Therefore, students need to understand the novel well.

But at present, students studying in secondary schools Students are reported to be showing a distorted interest in novels. Of In fact, the Tamil language curriculum in S.P.M. Vadamalar The number of students is deteriorating. SPM Tamil music is an important subject in Vadamalar. Shortly, the novel Division has been allotted 35 points. Pi students in novel study Countering difficulties. Teachers, AR Access, The use of the students' interest in the novel Domination.

Audio, Analogue, Earring, Writing, AR Animation, Graphic, Feel and Experience It is. Elementary AI-AR educational applications are simple and simple, Naibles or additions using digital over nickers Information was provided. In the 2000s, with the advent of AI technology, AI-AR Educational applications became more complex. Physical Tamazhi AR Techniques in Concrete and Mechanical Learning Digital Communicate with users of the post naturally. Provide personalized learning experiences and users' They also allowed them to respond to the situations. In the 2010s, Tadalai Nabas The surge opened up new opportunities for AI-AR education. These devices Cheap and easy to create and enjoy experiences Provided the way.

Gates (1995) by Rusli Abd Ghani 'Jalan Di Hadapan' was written in Tabayar. AI-AR in the book Utilitarian explained. In his book, 'We are Buying a book in life, education, education

and There is a new change in the song.' He spoke. AR Education is the most important Returned. Thus, the AR technique is used to stimulate the interest of the students. It is very difficult to increase.

Research Purpose

This study is based on three principles.

The text of this study is as follows:

1. Before using the AR approach, the novel Form 4 of Summary of Paper Summary Finding the Ostentation.
2. After using the AR approach, Form 4 of Summary of Paper Summary Finding the Mess.
3. Presence and Backwards of Students Comparison Twisting.

Details Of Research
Learning Tamil as a language lesson will be satisfied for the students, the novel Vadamalar is read by AR. Students using this The Inspector of Studies, a resident of Thapa Block in Nabara District, He was in high school. Vadamalar novel AR Students can use the approach to compress. 10 Students and Students' Attitude They were subjected. Students subjected to the study, additional Students who took Tamil Literature as a subject They are the only ones. In addition, students will be given a Vadamalar Cell Contraction AR On the basis of teaching using the approach Explored. This study uses qualitative access. The inspector is here. Data analysis for this study And the Nasadana Naban was through the approaches. Students' Random Analysis of Data We are only found at the bottom.

LITERATURE REVIEW

'Developing augmented reality novel games as English learning media for Reading narrative text: 'Hajar Khoirunisa,' Tri Wahyuni Floriasti. His thesis is The year 2023 is ours. In this study, AR in teaching By using the approach, the students will be able to learn. It is possible to read for a long time, and to study for a long time It is also said that it can be done. The Nature of the Study in Education The use of the AR approach is with the involvement of the students. Their contribution to education has also increased. This is for the Tamazhi Stone, It is also very useful for teaching mixed lessons. In addition, it is a stimulus to the students. Read with interest (AR) that the approach is It's done. Therefore, this study is for the teaching of the Tamil novel (AR) In the context of my understanding of the It's over. 'Effects of Learning Activities Based on Augmented Reality on Students' Understanding and Expression in an English Class Yang' said. His study was conducted in 2019. It has been done. In this study, he is a foreign (EFL) Understanding and Understanding the Environment in Education Very important. But scientific concepts can be easily interpreted. Explaining the use of words Teachers face difficulties. This is for students to have their Mechanical interpretation of information Memorization leads to decay. In order to solve this problem, In the study, the (AR) technology is based on the Efforts were made. As a result, the students What they say will be done. As such, this study AR Desire to implement basic learning activities or Understanding and Understanding of Students in EFL Classes These findings will be valuable information for aspiring authors. There will be. Thus, this study summarizes the novel Learn how to attract the attention of students Explain the hypothesis. "Augmented Reality Technologies in Education" Roxana Vuta has done this study. He is this In 2021, Dasayailavak passed away. Through this study, he used the AR approach to

teach learning. He has written about naming and naming the Napasuvalatha. "Teachers' Professional Training Through Augmented Reality" Juanjo Mena, Odiel Estrada Molina They have crawled. Their study was conducted in 2023. Crawled. This study is by the authors of AR Accession It is said how the Tahdakuttu Kuttu is done. "AR BOOK – EDUCTION" BY Anusha Pawar, Vrunda Sonawane Ronit Shah, Prof. Deepali Master They have crawled. Importance of AR Book in Essay Education And its uses. (AR) stands for Digital A technology that integrates the real and the real It is. It has three main aspects: and Digital Realities and Accurate 3D Recording of Digital Papers in Education (AR) Good luck to the book. Difficult concepts to understand Makes it easier, makes the stone interesting, than printed dry Providing additional information encourages learning by the world. This Issues of Presentation and Presentation in Education Analyzing.

METHODOLOGY

In this study, qualitative data can be suppressed and used; To extract the data, the researcher can use the following breasts Used. Data relevant to the researcher study Gathering Forward, Forward, Backward, He has used operations and activities. Novel was Abstract Text Form Four Students' Status The Kandyan and the later Nadar were used. Before the study, after the study, the students Analyst to determine the status quo Has used. The minor changes found in the student. The inspector is confused. Before, before and after, Data have been collected for the study. For Research Pre-pupils and their actions, The Inspector was preceded by the Inspector. Vadamalar. The students were able to make a summary of the arts. The researcher then looks at the scores and what actions we need to do The decision will be made. Analyst in class via AR access. He has taken three steps. In summarizing the novel Vadamalar, AR Further investigation into the use of the approach It was answered by the inspector. This research Tools also help the investigator in collecting research data. The data of the study should be analyzed in detail without any problem. It is obvious that these tools helped.

Data Collection Method

Before the study begins, the study of the school Head Teacher and Teacher who teaches Tamil Literature Permission is forbidden. After clearance, the inspector He tried to suppress the data. Information for this study Inspector of Research, used all three methods.

Advance Progress
The students of the novel with the Inspector School On the right hand, you can see if you can summarize the previous session was held. P.S. for the students of the novel Steps taken to make a summary possible We were smitten.

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The students of the novel with the Inspector School On the right hand, you can see if you can summarize the previous session was held. P.S. for the students of the novel Steps taken to make a summary possible We were smitten.

Latter Selection
Perform three right operations using AR access Backwards were given to the students who had made the attempts. AR After the use of the approach, the students' distractions Observation was followed. In the aftermath, the Students back to the school Granted. The students are only interested in the Understanding and precedence can be accurately

calculated. such as It is also a summary of the novel. Once the students have summarized the novel, the results are They were found.


FINDING AND DISCUSSION

In this chapter, the findings and discussion focus on the efficiency of the implementation of Augmented Reality (AR) while teaching VadaMalar novel. The first test was conducted before application of the two teaching aids and results showed that the students had low pre-test knowledge of the novel and could not actively participate in class activities using conventional teaching techniques. Nevertheless, the use of AR video changed their learning experience positively because it made their learning experiential. The choice of this approach enabled students to better associate with concepts, historical background, and characters of the novel. The level of understanding and retention had increased, as demonstrated by the increased, statistically significant, post-test scores of the participants who participated in the AR-based teaching. Thus, this method demonstrates the possibilities for extending classical literacy education with AR and bringing better results among students.
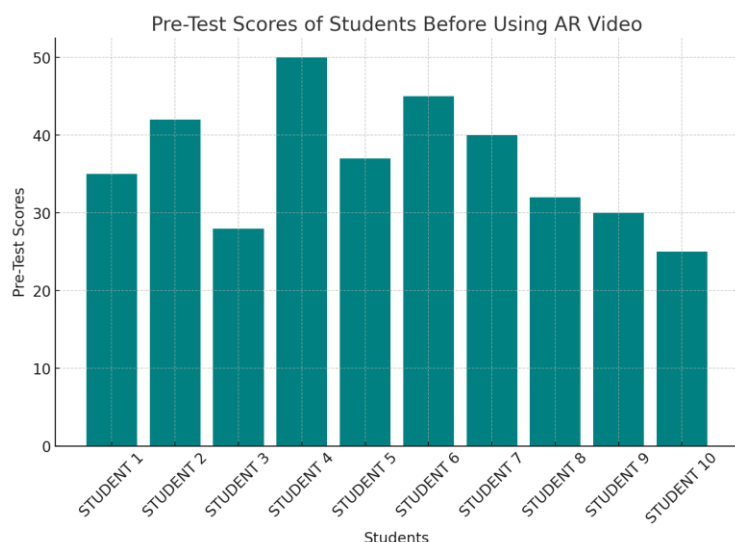
It was as follows, the overall pre-test scores of your students suggest that bulk of them had a poor prior knowledge about the content of the VadaMalar novel, and their scores ranged between 25-50. Some of the students performed very poorly and they all showed poor understanding of what was read. This makes it suggest that conventional classroom practices might not have fully motivated and facilitated their understanding. In essence, these findings suggest that such students can benefit from more distinctive forms of pedagogy, including the use of AR videos for instruction, in relation to their reception of the novel. The net graph represents the comparison of the mean score of ten students (STUDENT 1 to STUDENT 10) who undertook the pre-test before they started using the AR video lessons on the VadaMalar novel. Dispersed marks kept indicating that the general awareness of the novel was low, as shown by low scores in all the questions posed. Here's a breakdown of their performance:

- **Low Performance (Below 30 marks):** STUDENT 3, STUDENT 9, and STUDENT 10 scored below 30, demonstrating significant difficulty with the material.

- **Moderate Performance (30-40 marks):** STUDENT 1, STUDENT 5, STUDENT 8, and STUDENT 2 scored between 30 and 42, indicating some level of understanding, but with noticeable gaps in comprehension.
- **Relatively Higher Performance (Above 40 marks):** Only a few students, like STUDENT 4, STUDENT 6, and STUDENT 7, scored above 40, suggesting a stronger grasp but still not excellent comprehension.
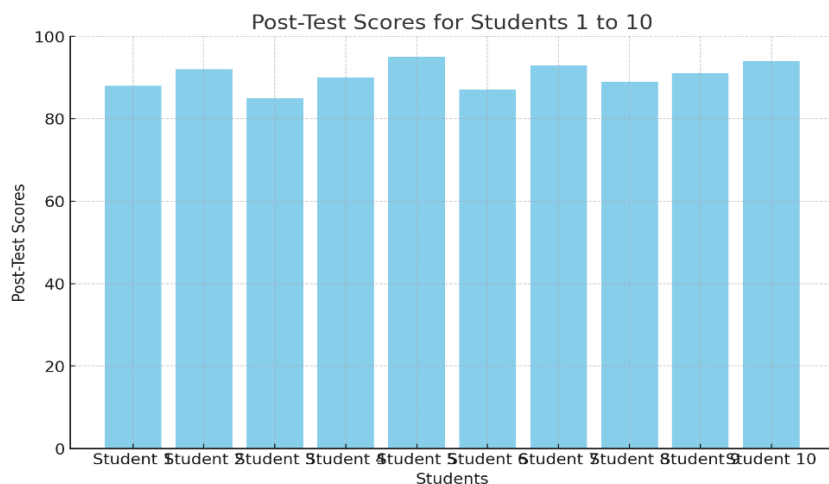
The graph reflects the post-test scores for Students 1 through 10, showing a notable improvement in their performance after the introduction of AR videos for learning the VadaMalar novel.

ALL students achieved an excellent result and post-test results range 85-95, which underlines their good understanding of the materials. The consistency in the improvement for all the students indicates that the AR videos promoted a consistent comprehension of the subject among students of different skill sets. Altogether, when comparing the results of this post-test with the scores that have been reported in this study earlier as pre-test scores varied between 25 and 50, the change is for the better. This vast increase proves the utility of using AR in making the material more interesting and easier to understand for students so they could understand such the concepts and themes in the novel. The high scores in these aspects could have an association with the interactivity that characterizes AR which seemed to engage the students. Unlike the conventional lecturing techniques which led to reduced scores due to learning disengagement, it would appear that AR has made the students engage at a deeper level with the novel. The graph reiterates the previous statements of this paper in showing that AR has the ability in supplementing knowledge retention and analytical capability. Since all the students scored well on the post-test, this gave an indication that augmented reality might enable the students to retain the knowledge much longer and apply it much better.
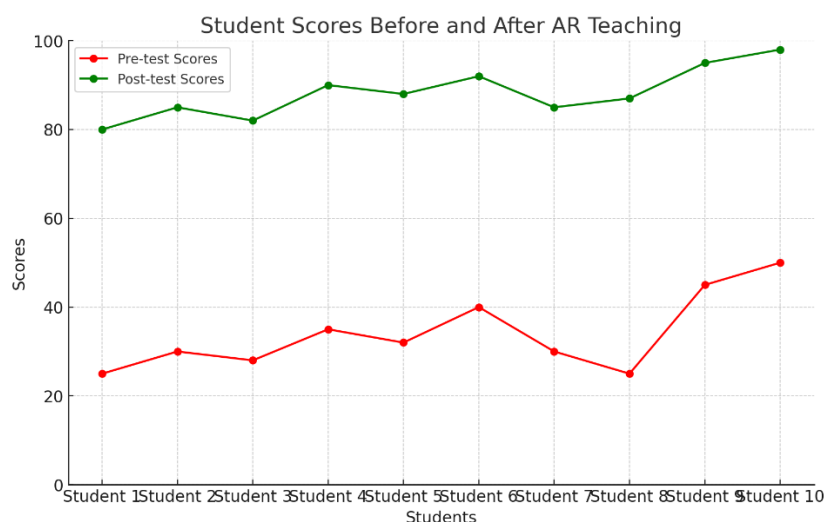
This graph shows a clear comparison between the pre-test and post-test scores for each student before and after the introduction of Augmented Reality (AR) in teaching the VadaMalar novel.

In students' post-test scores, the green line is substantially above the red line for pre-test scores for all the students without exception. This suggests that the performance of each student learning enhanced after the integration of AR into the teaching model. The pre – test scores shown by the red line are in a low level most of the students in the class scored between 20 and 40. This implies that regular forms of instruction failed to capture the students, thus not enhancing their knowledge retention as well. The post-test scores demonstrated by the green line vary from 80 to 95 after the learning through AR, which indicates the participants' good understanding of the novel. The change it brings interprets how AR increases the accessibility of literary content and improves understanding for novel content. All students demonstrate the learning progression from pre-test to post-test whether they have low or high learning ability. This implies that the use of AR helped students of all comprehension level and, therefore, was helpful for students of any category. These kinds of findings provide evidence that AR made learning a more vibrant and interactive affair, helping students to not only find the narratives and context of the novel easier to comprehend, but also to really engage with the characters and events.

CONCLUSION

Research Question
The study is based on three questions.
The question of this study is as follows:

1. Before using the AR approach, the novel Form 4 of Summary of Paper Summary, what is the state of affairs?
2. After using the AR approach, Form 4 of Summary of Paper Summary, what is the state of affairs?
3. What is the role of the students in their presence and back?

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