EASY AND INTERESTING REVISON STYLE USING SMART INTERACTIVE REVISION TOOL (SIRT 2.0)

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ABSTRACT

Smart Interactive Revision Tool (SIRT 2.0) is a new tactic to do revision in an interesting way that up current online distance learning (ODL) system. Usually, student faces problems while performing revision. Student will feel bored to do revision in traditional way beside that, nowadays all the notes are in softcopy form that forces them to do online revision. They also felt bored to read non interesting notes that been provided. So, to make them enjoy their revision period, SIRT 2.0 are introduce. SIRT 2.0 allows the student to develop their own revision notes interestingly in video form using TikTok. This approach grants the student from all levels of education either from school or university student to enjoy their revision period. This SIRT 2.0 is the upgrade version from the 1st edition with additional features. SIRT 2.0 is design especially for Pre-Comm student for subject MAT 037. A survey involving 60 of students has been done to identify the satisfaction about SIRT 2.0 among the Pre-Comm student from UiTM Cawangan Pulau Pinang. From the survey, almost everyone satisfied and enjoy doing revision using SIRT 2.0. SIRT 2.0 will be the best approach to perform revision an easy and interesting way.

Keywords: interesting, online education, Tik Tok, education videos, style of study

Introduction

Since COVID-19 start to spread to all over the world, the education system has changed their traditional face to face (f2f) system to online education system. All level of education from preschool until university are started to be conducted thru online education system. Smartphone, laptop, tab and desktop will be the main medium for this education style. To make the revision process align to the education style, SIRT is introduce. Students usually faces problem and feel bored with doing the traditional way of revision. Besides that, students also have problem to share revision notes to their friends.

SIRT is a new approach that allow student from all levels to do revision in easy and interesting way. The main purpose of the SIRT ides comes because to enc create simple, interesting, attractive, and easy-to-understand content. SIRT 2.0 also provide animated and attractive content which can be accessed easily, anywhere at any time thru medium TikTok, WhatsApp or Telegram. Initially, SIRT was develop for secondary student so that they can do short notes video for reading subject like science. SIRT get a good respond from the secondary school student. Therefore, SIRT 2.0 are introduce to Pre-Comm students in subject Mathematics (MAT 037). There are new features and

style introduce added to SIRT 2.0. The uniqueness of SIRT 2.0 are the videos in it are easy to understand, attractive, and fast learning up to trend of online learning. SIRT 2.0 also have interesting and easy to understand with creative video notes.

In the previous study stated that video has become an important part of higher education during online classes. Several analyses have shown that technology can enhance learning and multiple studies showed that video, specifically, can be a highly effective educational tool (Stockwell, et al, 2015), (Kay, ,2012) and (Allen & Smith, 2012).

The effective use of video as an educational tool can be enhanced once instructors consider three elements. The first element is how to manage cognitive load of the video, secondly how to maximize student engagement with the video and third element is how to promote active learning from the video (Cynthia & Kathryn, 2021) and (Means et al, 2010). A survey has been done to TikTok users, and the findings discovered that content quality, task technology fit, and vividness have a significant influence on overall effectiveness learning (Bashar, 2021). There are positive and negative implications to the use of TikTok based on the educational environments. It is crucial to harness the positive aspects and adapt them to the modern approaches in teaching this can be achieved by establishing TikTok clubs on local and national levels at schools and other institutions (Yang, 2020).

Methodology

In the process of developing SIRT 2.0 there two (2) main method applied. First method is for developing the video then the second method are to study the satisfaction of SIRT 2.0. In this part the 1st method will be elaborate while the 2nd method will be discussed further in part result and discussion.

SIRT 2.0 has been develop based on Program Development Life Cycle (PDLC) steps as shown in Figure 1. There are five main steps in PDLC that start with analysis, design, implementation, testing and documentation.

Figure 1: PDLC design

In the SIRT 2.0, the problem statement was identified. The main problem is student felt bored to perform revision in traditional way. Besides that, the notes are bored and not attractive. So, once students once clearly understand the requirements to solve the problem, they plan to design the revision notes in interesting form. Next in the design level, interface design was developed for video style and content that can be delivered interestingly. Few styles are design. Then, the video was created using TikTok. After developing the video, the video was shared among few students to test the satisfaction.

Product Description

The videos in SIRT 2.0 are developed using TikTok application. TikTok application are selected to create revision video because, nowadays TikTok has been one of the easiest applications that can be used and share in social media. Everyone interested to view the TikTok video. Besides that, everyone can have smartphone that have TikTok application. TikTok video also can be share in WhatsApp or Telegram group The social media application TikTok is very potential as an educational tool since it enables the delivery of small learning units in a short time duration [2]. Below in Figure 2 to Figure 4 show the variety of interface video style that used in SIRT 2.0.
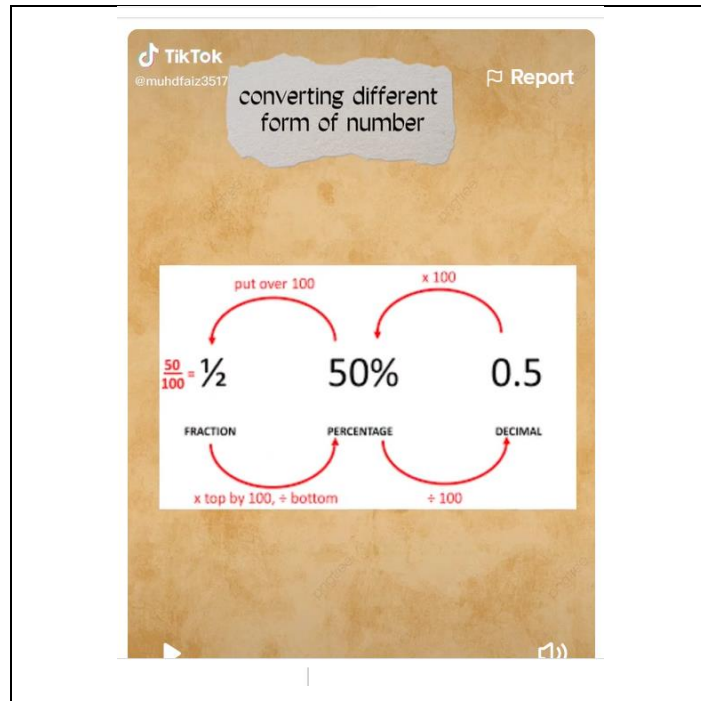
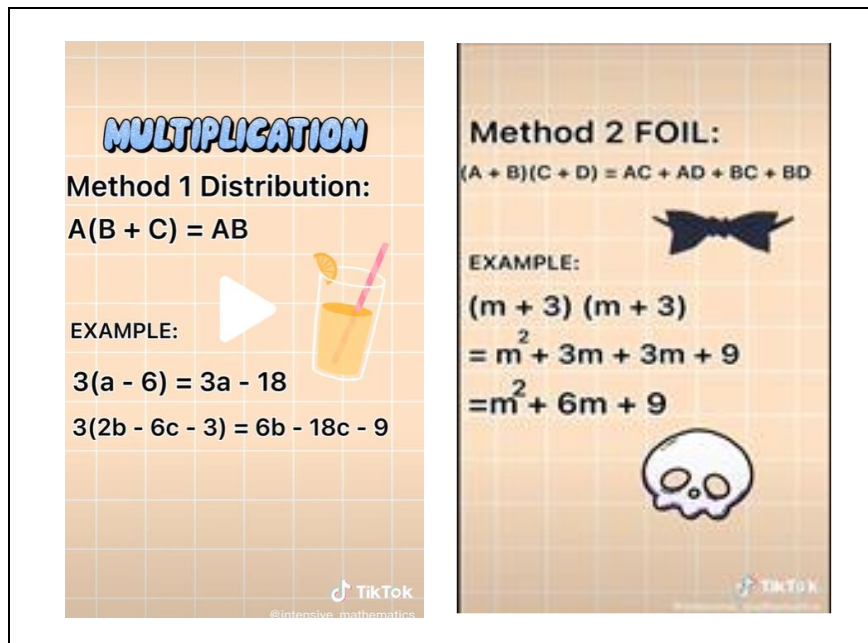Figure 2: Sample of SIRT 2.0 video notes interface

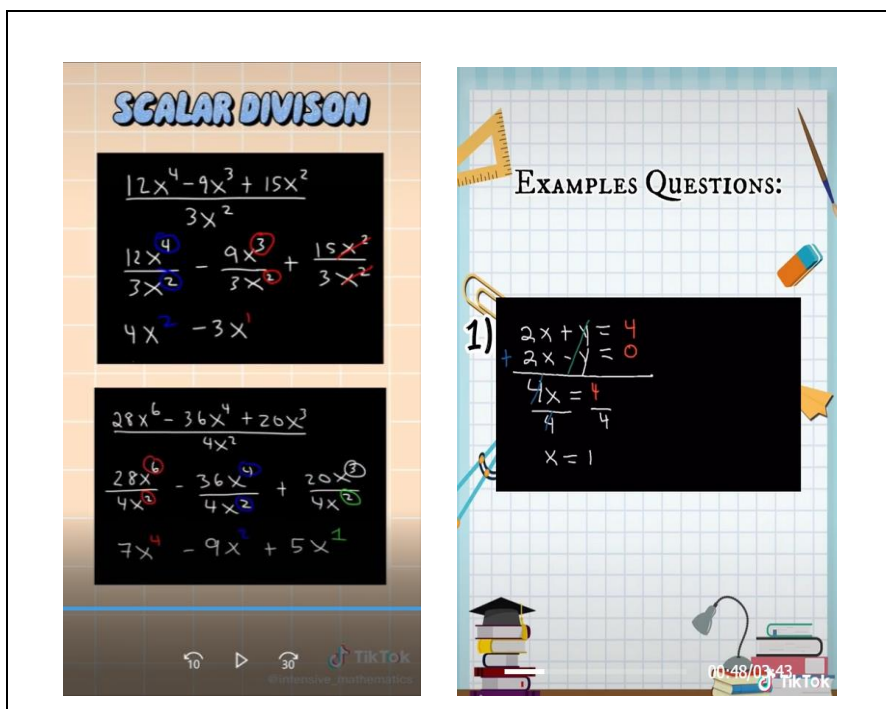Figure 3: Sample of SIRT 2.0 video example interface

Figure 4: Sample of SIRT 2.0 video example question interface

Results and Discussion

A survey has been conducted among Pre-Commerce (PBA002/PBA003) students from UiTM Cawangan Pulau Pinang who is taking Intensive Mathematics 1 (MAT037) course for the current semester, October 2021-February 2022. The main objective of the questionnaire is to identify the student's opinion and satisfaction using SIRT 2.0 as their revision tool in learning MAT037. The questions are divided in two parts which are:

a) Demographic
   - Gender
   - Where they stay
b) SIRT 2.0 satisfaction

Below are the results and findings from the questionnaire distributed among the students. The table above shows the demographic information about the respondent. From the 60 students involved in this study, 32 of them are female student while 28 of the are male student as shown in Table 1. Table 2 shows, total of 33 of them staying in campus and remaining 27 are staying in their own

hometown. This is because not all the students are allowed to stay at campus due to the SOP in the Covid-19 situation.

Table 1: Respondent Demographic based on gender

Gender	Male	Female
Number of students	32	28

Table 2: Respondent Demographic based on place staying

Place of staying	Stay In Campus	Stay in Hometown
Number of students	33	27

Figure 5 illustrates the respondent's satisfaction in using SIRT 2.0. The result shows, 83% of the respondent are satisfied with SIRT 2.0 as it can help and make them enjoy during their revision time especially for subject MAT 037. They are felt very happy that they do not have to carry the textbook around for their revision. Besides that, the respondent also realized that with SIRT 2.0, they are able communicate and share their video notes easily with their friends thru What's App or Telegram especially during group studies.
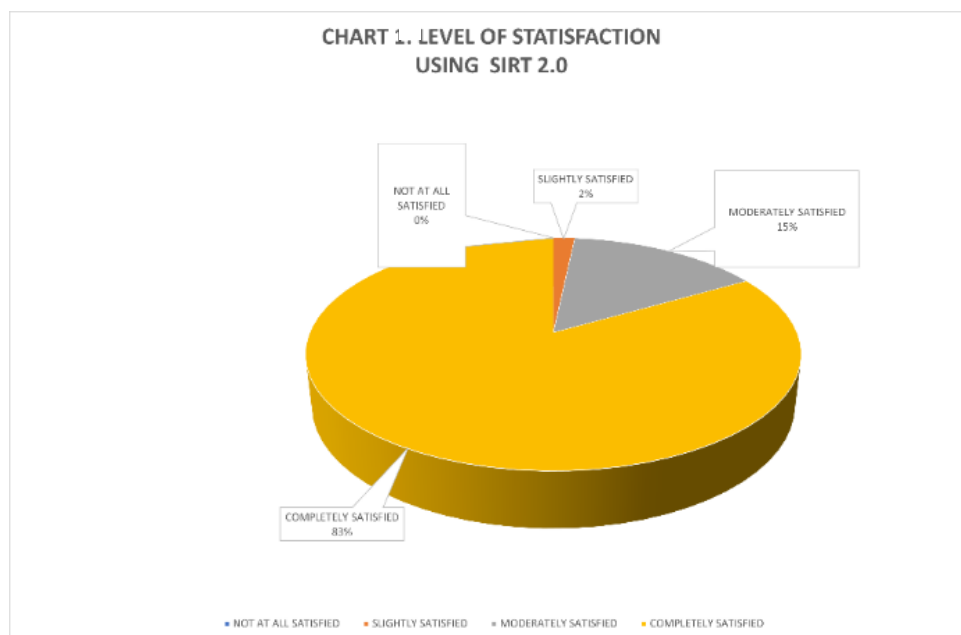

Figure 5: Student's level of satisfaction using SIRT 2.0

Figure 6 below shows that 96.67% respondent likes the video style in SIRT 2.0. The video in

SIRT 2.0 have the notes with the explanation given. Only 5% of the respondent dislike the style of SIRT 2.0 video. It is maybe because colorful effect was applied in the video.
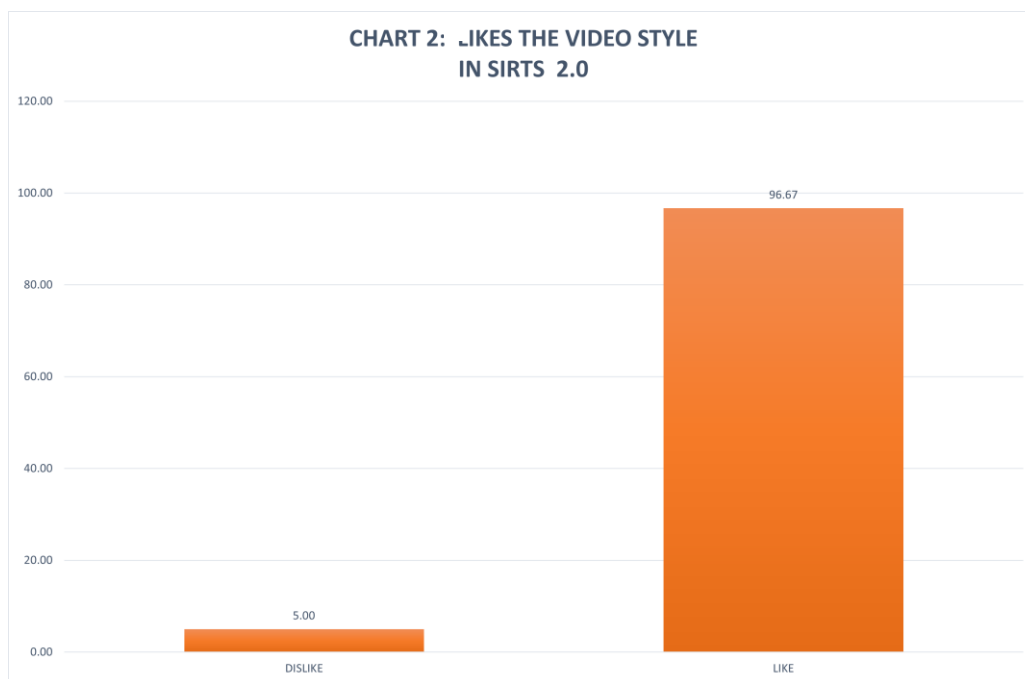

Figure 6: Student's likes on the SIRT 2.0 video style

Conclusion

SIRT 2.0 is an approach in trend tour current online educational system. With this SIRT 2.0 approach, it will allow the students from all levels of education to enjoy their revision time. SIRT 2.0 will allow student to foster self-regulated learning and enjoy their revision time in an easy and interesting way. Besides that, SIRT 2.0 also allow student to share their video revision notes easily with friends thru What's App. The existing of SIRT 2.0 hope the student enjoy and love their revision duration.

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