Informative UPLI Google Site: Implementation on Internship Student

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Abstract

TVET education is playing an important role in enhancing sustainability in the country through its academic programmes. The COVID 19 pandemic has changed the education system and its implementation as a whole and technology applications have been widely used to facilitate teaching and learning. Therefore, this study aims to see the level use of UPLI Google Sites implementation as a document management medium among internship students. This level of implementation can be seen from four aspects which are Ease of Use, Perceived Usefulness, Attitude Towards Using Technology and Behavioral Intention. The research instrument is a set of questionnaires containing 14 items and had used Likert scale as measurement. The respondents consisted of 77 students from Session II:2021/2022 and Session I: 2022/2023. All respondent are from Diploma in Tourism Management and Diploma in Banking and Finance. Data were analyzed using the Statistical Package for The Social Science (SPSS) version 21 software to obtain percentages and mean scores. The results of the analysis show that the level use of UPLI Google Sites as a document management medium by industrial training students obtained a high overall mean. The Google Sites-based learning which was developed by the Unit of Industrial Training (UPLI) in Politeknik METrO Betong Sarawak had delivery the informative information easily and also had make the students easily get the information just thought google site.

Key words: Industrial training, google sites, TVET, Industrial Relations and Training Unit (UPLI)

1. Introduction

Collaborative learning has been a key component of Information Systems education since the advent of employing technology and the internet for teaching and learning. "We are entering a future where we will all need to learn new information and abilities virtually constantly." (Brown & Adler, 2008). The idea of social learning is the development of knowledge through interaction. Social learning emphasizes the requirement for students to be able to participate in study groups and the exchange of knowledge and places more emphasis on the "how" of education than the "what." A social learning environment has a number of unmistakable advantages that cannot be ignored, one of which is that students can enter a relaxed and nonthreatening "peer learning environment" where they can clarify their doubts and more readily grasp the material by asking questions and learning different points of view from their peers (Brown & Adler, 2008). In response to these changes, many countries, states, institutions, and organizations have been working on strategic plans to implement online education (Roudlotun & Muhammad, 2020).

The study and examination of a cutting-edge teaching strategy, namely the usage of Google Sites for student internship information, served as the primary source of inspiration for this research. In view of the fact that this is the first year that the Industrial Relations and Training Unit (UPLI) in Politeknik METrO Betong has applied this innovative and technologically advanced learning method. Moreover, this research is very important to establish the feasibility of continuing with this learning method in the future. The author believes that this research paper will also make a meaningful contribution to the body of knowledge regarding the use of web 2.0 technologies for education (Roodt & De Villiers, 2011). The use of Google Site under the Industrial Relations and Training Unit was implemented in April 2022 and was applied by 2 Sessions namely Session II: 2021/2022 and Session I: 2022/2023.

The Industrial Relations and Training Unit has uploaded a variety of information for the preparation of students to enter the world of industry such as the forms that need to be filled out and sent to the Industrial Relations and Training Unit, registration for the DUT60019 Industrial Training course, the Industrial Training Report format as well as the Industrial Training Implementation Guidebook also can be reached through UPLI's google site.

During the pandemic, one of the learning approaches used was the implementation of virtual or online learning. This is motivated by the fundamental tenet of education in the Covid19 epidemic, which is to put student health and safety before educators, staff, families, and society at large in the context of fulfilling service education during the pandemic (Jusriati et, al. 2021). As a result of this pandemic, a drastic action must be taken by the parties. The Ministry of Higher Education (KPT) had ensure the continuity of the delivery system information to the students. According to the SOP, students who are undergoing Work Based Learning (WBL) and

are following training in the industry can be monitored online according to the appropriate course offered to facilitate interaction between institutions and students. As a result, there are restrictions on how students can engage with institutions and industry, and intermediaries need to be developed in order to make it easier for students to manage their industrial training documentation.

2. Problem Statement

In the modul of DUT60019 Industrial Training, students need to always up to date with the latest instruction regarding industrial training from the lecturers. Problems occurs when students having problem to get important forms to fill in before go for industrial training. Some students always misplace their book of industrial training guideline, didn't bring their slides and so on. Besides that, unit of industrial training also always have new announcement to the students and when the community of the unit post the announcement in the WhatsApp group, few of the students did not open the group to get the latest information. Thus, with the platform of google site, student may download related document just from the UPLI google site in anywhere and anytime. Research have been done to evaluate the level use of UPLI Google Sites implementation as a document management medium among internship students in the DUT60019 Industrial Training module based on social collaborative learning principles (Roodt & De Villiers, 2011).

3. Literature Review

A widely used methodology for assessing user adoption of any technology is the Technology Acceptance Model (TAM). In his research had provide a coherent theory which explain the acceptance of computer technology, Davis (1989) first came up with the concept of the TAM model. Ajzen and Fishbein (1980) created the first model, which was later improved by earlier scholars (Lu et al., 2003; Davis, 1989; Venkatesh et al., 2003). Figure 1 shows the relationship between the measured variables in TAM Theory:

There are several studies that have employed technology in the past for virtual learning, including Interactive Learning Media, Page Web Utilizing Google Sites, and Instructional

Model E Learning (Magdalena et al., 2020). based on Audio-Visual Media and Android (Nurfadhillah et al., 2021).

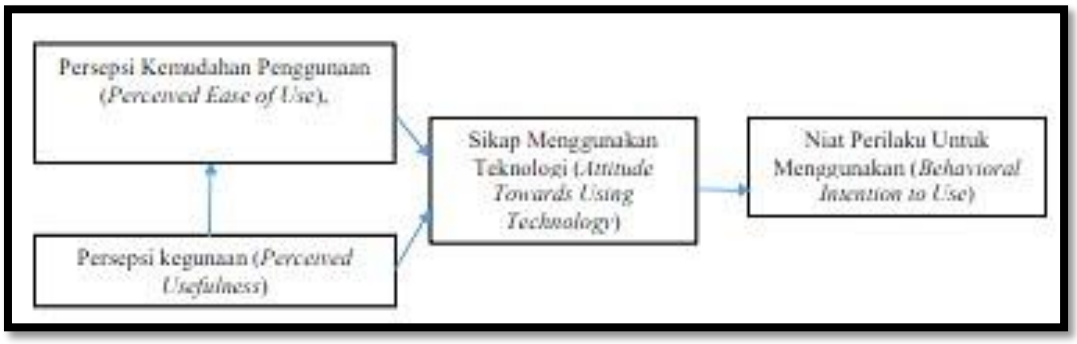

Figure 1: *Technology Acceptance Model (TAM)*

Virtual platforms are viewed as an alternative approach to solving this issue. There is numerous online platform that can be used for virtual education. Virtual platforms are viewed as an alternative approach to solve this issue. There are numerous online environments that can be used for virtual education. Platforms like Zoom, Weber, Microsoft Team, Google
Classroom, and others which are frequently used. Whereas Google Sites is a tool that lets people simply build a website. The user of Google Site can take advantage from this platform it is easy to build up dan manage by users.

The ease of using google sites developed by google can enable anyone to use or create Google Sites, especially for use in current teaching and learning duringCovid-19 pandemic. Google Sites enables any user invited to join a site to edit pages without requiring knowledge of Web coding or design. Individual team members can also create profile pages of their activities, interests and schedules. Besides that, Google Sites can function as virtual classrooms for posting homework assignments, class notes or other student resources (Auchard, 2008).

Social computing involves both science and technology. As a domain of science, we seek to describe the relationships among social behaviors and machines so that we can reduce our uncertainty about how humans and machines will interact (Roodt, 2010).

4. Research Objective

To evaluate the level use of *Unit Perhubungan dan Latihan Industri* (UPLI) Google Site implementation among PMBS internship students.

5. Methodology

This study is descriptive research designed which to evaluate the level use of UPLI Google Sites implementation. The research instrument is a set of questionnaires containing 14 items and had used Likert scale as measurement. All respondent are from Diploma in Tourism Management and Diploma in Banking and Finance. This study was carried out in two stages. Website development using Google Site is the first stage. The level of student utilization of generated websites is assessed in the second phase. This level of use was assessed using four components of Davis's (1989) Technology Acceptance Model: Perception of Ease of Use (Perceived Ease of Use), Perception of Use (Perceived Usefulness), Attitude Towards Using Technology, and Intention Behavioral Intention to Use (Behavioral Intention to Use) in relation to the use of Google Sites in the administration of student-provided

documents. The research tool is a set of survey questions with 20 items on the Davis-adapted Likert scale (1989). The respondents consisted of 77 students in the 6th semester of the Diploma in Tourism Management and Tourism Diploma In Banking and Finance. For the Statistical Software Program for The Social Science (SPSS) version 21 was used to analyse the data in order to determine the percentage and mean score.

Scale	Statement	Point
1	Strongly Disagree	1
2	Disagree	2
3	Natural	3
4	Agree	4
5	Strongly Agree	5

Figure 2: Likert Scale

(i) Phase 1: Building a website

Google Sites are either personal or business websites that serve as a platform for information created by Google. Everyone with a Google Mail account can use the application because it is simple to use. The steps for developing the UPLI website are as follows: a. Create a Google account

b. Click on Google Site

- Next step, visit https://sites.google.com/new

c. Click (+) or an existing template

d. Start building a UPLI website

(ii) Second phase: The Level of Usage

Once the website has been successfully put up, it is made available online and the web address will be given to the students who had register industrial training course. Thus, through this UPLI Google Site, student can get all the latest information as well as data that related to industrial training. Industrial training student also will submit their forms and report that required through a link that had been provided in the Google site. 77 students in total are using the website, and all of these students have completed an online survey to gauge the extent of website development. Perceived Ease of Use, Perceived Usefulness, Attitude Towards Utilizing Technology, and Behavioral Intention to Use against the usage of Google Sites are four elements based on the recognized factors associated to acceptance of technology.

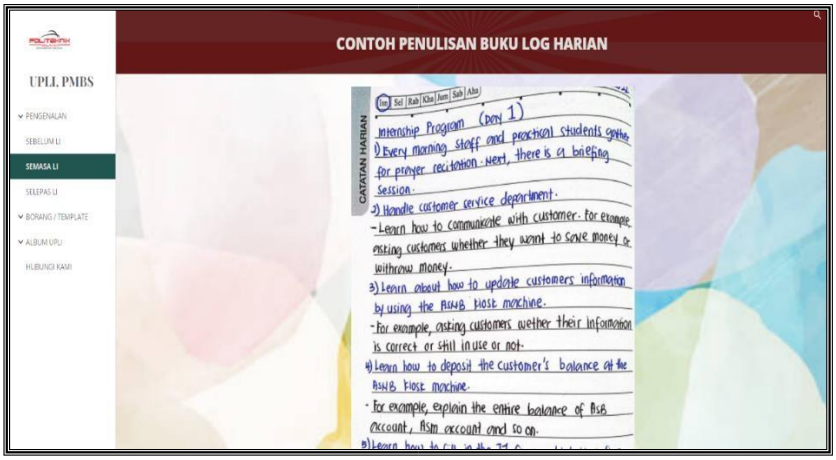

Figure 2.1: The content in Google Sites

Figure 2.2: The content in Google Sites (Home)

6. Result

The outcomes of UPLI website development give its own result of this research. Students can read the pages on the website and download the document which all related to industrial training anytime and anywhere. Through UPLI Google Site also, student can be more up to date with latest data which will be shown based on the page's categories.

Items	Strongly Disagree	Dis - agree	Natural	Agree	Strongly Agree
Perceived Ease of Use					
Using UPLI Google Site can improves my efficiency in managing my internship documents	0 (0%)	0 (0%)	3 (3.90%)	26 (33.77%)	48 (62.34%)

By using UPLI google site, it had improved my performance in managing industrial training's documents	0 (0%)	0 (0%)	7 (9.09%)	38 (49.35%)	32 (41.56%)
By using UPLI Google Site had increase my task productivity	0 (0%)	0 (0%)	7 (9.09%)	33 (42.86%)	40 (51.95%)
I found UPLI Google Site very useful	0 (0%)	0 (0%)	0 (0%)	3 (3.90%)	74 (96.10%)
Perceived Usefulness					
I found it that using UPLI Google Site is very easy	0 (0%)	0 (0%)	0 (0%)	10 (12.99%)	67 (87.01%)
There is an interaction with UPLI Google Site.	0 (0%)	0 (0%)	12 (15.58%)	20 (25.97%)	45 (58.44%)
UPLI Google Site is clear and understandable	0 (0%)	0 (0%)	2 (2.60%)	12 (15.58%)	63 (81.81%)
Attitude Towards Using Technology					
I intend to manage my document with UPLI Google Site	0 (0%)	0 (0%)	7 (9.09%)	22 (25.57%)	48 (62.33%)
I will always manage my documents in UPLI Google Site	0 (0%)	0 (0%)	0 (0%)	8 (10.39%)	69 (89.61%)
I will often be using UPLI Google Site	0 (0%)	0 (0%)	9 (11.69%)	27 (35.06%)	41 (53.25%)
Behavioural Intention to Use					
By using UPLI Google Site will make the internship document submission more convenient.	0 (0%)	0 (0%)	5 (6.50%)	7 (9.09%)	65 (84.41%)
UPLI Google Site will make the internship documentation more attractive.	0 (0%)	0 (0%)	6 (7.79%)	14 (18.18%)	57 (74.03%)
I love to use UPLI Google Site.	0 (0%)	0 (0%)	5 (6.50%)	19 (24.68%)	53 (68.83%)
I always take the opportunity to manage my documents in UPLI Google Site.	0 (0%)	0 (0%)	6 (7.79%)	9 (11.69%)	62 (80.52%)

Figure 3.1: Internship student perception towards UPLI Google Site

The Criteria	Mean	Interpretation
Perceived Ease of Use	4.61	High
Perceived Usefulness	4.70	High
Attitude Towards Using Technology	4.61	High
Behavioural Intention to Use	4.63	High

Figure 3.2 The level of Usage of UPLI Google Site

Based on the data that had been analysed, the researcher found that among 77 industrial training students, majority of them agree which is more than 80 percent had use UPLI Google Site during their industry training and this involve four student perceptions which are in the perception of Ease of Use Perception Perceived Usefulness, Attitude Towards Using Technology and also Behavioural Intention to Use. For the first perception which is Perceived Ease of Use, 74 students among 77 strongly agree that UPLI Google Site very useful to them during their industrial training while 7 students give natural result during the data collection for the item of by using UPLI google site, it had improved my performance in managing industrial training's documents and by using UPLI Google Site had increase my task productivity.

The second data that had been analysed which is Attitude Towards Using Technology had given the highest mean among others which is 4.70. 69 respondents strongly agree that they always use UPLI Google Site to manage the industrial training documentation. For the item Perceived Usefulness, 67 respondents strongly agree that UPLI Google Site is very easy to access and only 2 students give natural data (slightly disagree) that UPLI Google Site is clear and understandable. For Behavioral Intention to Use, 65 students strongly agree that by using UPLI Google Site will make the internship document submission more convenient. In addition, Politeknik METrO Betong Sarawak students' usage towards Google Site as a platform for document management before, during and after industrial training.

Student will always access UPLI Google Site because it is easier to use, organized, clear, and easy to comprehend. Besides that, it offers highly beneficial advantages. All students that had engaged with the google site will always up-to-date with the latest task and instruction as well as they can submit and upload the document needed by the unit of industrial training on time.

In addition, students' usage towards UPLI Google Site as a platform for document management has given a positive impact on industrial training students because they feel more motivated and enthusiastic and will always access UPLI Google Site to manage their document and this google site also very effective and efficient document

management tool that can increase the performance and efficiency in managing documents and also increase work productivity.

7. Conclusion and Recommendation

Since majority of students use Google Sites as a cutting-edge learning tool that would significantly improve their overall computer literacy, the application and accessing Google Sites had given a very favourable effect on the students. It can be assumed that the students view using Google Sites as a significant accomplishment of IS competency and accept technology as a necessary component of the educational process in this era.

The researchers concluded that the UPLI Google Site platform helps students organize their internship document and it fosters better communication between lectures and students; the google site makes online learning exciting and it creates creativity and critical thinking and makes students highly motivated and always up to date. Besides that, the activity feed does not update automatically, so learners will need to refresh regularly in order not to miss important announcements through google site.

The researchers are currently conducting additional study to evaluate the efficiency of each teaching strategy and learning instrument on an individual, group, and holistic level. This will show on how effectiveness of social software in the context of higher education which may be used in social computing. Additionally, it will also provide insight on the learning preferences of the Net Generation, which will significantly affect the strategic direction of the institution's methods for teaching and learning.

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