

TEACHERS BEHAVIOR TOWARD DIGITAL EDUCATION

Siti Nur Aqila Anuar¹

School of Maritime Business and Management,
Universiti Malaysia Terengganu (UMT), Malaysia
(Email: sitinuraqilaanuar@gmail.com)

Noor Fadhiha Mokhtar²

School of Maritime Business and Management,
Universiti Malaysia Terengganu (UMT), Malaysia
(Email: noorfadhiha@umt.edu.my)

Kalsitinoor Set³

School of Maritime Business and Management,
Universiti Malaysia Terengganu (UMT), Malaysia
(Email: kalsitinoor@umt.edu.my)

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Abstract: *The education system in Malaysia has increased with the use of computers as a teaching tool. Technological amenities such as Internet technology are created as a successful teaching and learning branch. Terms of Digital education is one of the educational transformation efforts undertaken by Ministry of Education Malaysia (MOE) under the Malaysian Education Development Plan (PPPM) 2013-2025 which focus more on digital and Internet materials at schools and known as a 21st Century Learning (PAK-21). Although the MOE introduced this digital education system for the convenience of teachers, the teacher's desire to use computers was limited, and there were some constraints faced by teachers in implementing digital classroom teaching. Computer literacy skills became a significant constraint among teachers. Incomplete teachers handle computers; have low confidence in using computers in the school and vice versa (Gilakjani, Mei & Ismail, 2013). This study aims to analyze the intention of Digital Education behavior among Malaysian school teachers and to explore individual skills as an advanced component of the extended Theory of Planned Behavior (TPB). Also, this study aims to examine the role of Attitude, Subjective Normative and Perceived Behavioral as intermediaries on the relationship between individual skills and intentions to use the Internet among school teachers in Malaysia and to develop an extended TPB model including Individual Skills. To achieve this objective, this study examines the behavioural intention of secondary school teachers in Peninsular Malaysia towards this digital education based on the framework of the TPB. A structured questionnaire has been provided to 91 teachers based from table Green (1991) as the samle size for this research and the teachers scome from government secondary schools in Malaysia and to obtain information about the characteristics and performance of their management. A descriptive and inferential analysis was conducted using the Smart PLS 3.0 statistics package. This study provides strong empirical evidence to demonstrate that to increase the use of digital education among teachers in Malaysia there is a need to improve the interest and skills to be exposed to teachers and to use this digital education well and not*

misused. This can be achieved through the development of a policy and effective government creation and providing greater awareness of digital education programs is easier to use than traditional learning methods.

Keywords: *Internet, Digital Education, Theory of Planned Behaviour, Individual Skills*

Introduction

The Internet is an example of the most extensive network connecting millions of computers scattered all over the world and not bound to one organisation (Deasy & Firniawati, 2014). Abdullah & Osman, (2010) have found that the National Education Policy in line with Malaysia's vision to become a developed nation by the year 2020 in front of the PAK-21 and is very much related to the use of the Internet. The Internet is an essential item for the success of PAK-21 where any digital education method introduced by the MOE will not work correctly with the Internet channel. Jamaluddin (2010), think that teachers are still unsure about the effectiveness of digital use in Teaching and Learning Process (PDP). There are also teachers who are even less skilled in the use of digital materials. Lubis, (2017) says that the government has supplied thousands of computers to schools nationwide. This is as a government effort to improve teaching professionalism. The government intends to ensure that all teachers in primary and secondary schools use computer-assisted digital materials in the PDP process as learning aids (ABM). According to Arsyad, (2011) MOE has introduced digital systems as ABM in all subjects in schools. This means that a positive transformation in education has been aided with digital support over the last few years. For example, printed textbooks have transformed into a digital-based source of e-books and cyberspace as the Internet is used as a continuing learning tool. Meanwhile, teachers applying the digital-assisted use of computers in PDP in the classroom have the potential to provide creative and innovative teaching.

The government recognises that the use of the Internet in education brings many benefits, but the use of computers among teachers is quite limited. The development of digital learning in Malaysia is still new when compared to western countries and Singapore (Buntat, 2010). This growth also has an impact on the people in Malaysia, especially in the country's education system. To improve the quality of education, various initiatives have been implemented to create a more creative and effective teaching and learning environment that will eventually produce a sustainable backdrop of knowledge and skills (Samian & Awang, 2017). The handling of software 'hardware' and 'software' creates teachers to face many problems and do not want to use them in class (Shanmugan & Balakrishnan, 2018). In. As a result, computer literacy skills are a significant obstacle among teachers and teachers who are inadequate to operate computers and have low confidence in using computers at school and vice versa. This study will show the level of computer usage in teaching and the intention of digital education behaviour among teachers. It is therefore important to analyse the behaviour of school teachers in Malaysia and to identify the factors that influence them. The existing theory of Planned Behaviour (TPB) with has combined to the Individual Skills. Therefore, this study can help the MOE to devise strategies to support and motivate academics to use the Internet digitally by making more changes in school teaching and learning processes to become e-schools.

Literature Review

This paper has investigated the intention of Malaysian school teachers toward digital education. The use of digital education has expanded either in the industrial or educational

sectors around the world. In the industrial field, the use of digital in training continues to increase (Mohamed, 2011). Impact of the digital in education; content, technology and services identified as three key points to the success of the digital knowledge coupled with the growing Internet and multimedia technology now are the cornerstone of the ever increasing use of digital education worldwide. In the education sector, digital education has grown since 2006 with an estimated 3.5 million students taking part in online learning at the United States of America (Sloan Consortium). More institutions of higher education offering online courses and programs have overgrown (Hebert, 2007). In Malaysia, it is focused on distance learning and online learning, which is mostly offered at university and private colleges that have partnerships with overseas universities where fees are high and expensive. In Singapore, digital education has grown in the form of an on-the-go repository idea that assists the education industry in the country to create new Digital Education courses that enable immediate editing work and online (Buntat, 2010). The hypothesis of the past research relationship among variable is determine whether all of independent variable directly or indirectly influence on behavioural intention which is the Internet usage.

Digital Education

Digital learning often fluctuates in line with the latest technology today. This is always often misinterpreted in educational promotion ads. In general, digital education is the teaching and learning that uses the electronic network Local Area Network (LAN), Wide Area Network (WAN) or internet to deliver content, interaction or facilitating. Internet, Intranet, satellite, audio/video tape, interactive TV and CD- ROM are some of the electronic media intended in this category (Buntat, 2010). Teaching can be conducted simultaneously (at the same time) or 'Asynchronously' (at different times). Teaching and learning materials can be conveyed through this media that have multimedia features such as text, graphics, animation, simulation, audio and video. It should also provide facilities for 'discussion groups' and enable guidance on online 'online' (Buntat, 2010).

Extended Theory of Planned Behaviour

This section will focus on the antecedents and the consequences on the extended TPB model. The antecedents and outcomes in the proposed research model in this study are Individual Skill.

Individual Skills (IS)

Moreover, as teachers with less experience tend to show a higher emotional quality toward students than teachers with more experience tend to do reported in National Institute of career development (NICD, 2006) such emotional condition may be necessary for activating attention toward a particular student who exhibits problems in his or her performance (Saric, 2015). Previous studies that have investigated the influence of class size, teachers' teaching experience, and the number of teaching assistants on class-level instruction have shown mixed findings. For instance, most studies on the role of teachers' teaching experience in the quality of instruction have not found any associations (Nurmi et al., 2013).

The process of teaching and learning is a process that involves the interaction of teachers with students. The effectiveness of teachers' education is dependent on how teachers can adapt and understand the problem of student learning. There are various aspects that influence the quality of teacher teaching (Azizi & Rosnani, 2015). The methods used by teachers in implementing the teaching process and teacher personality. These aspects must be identified and understood. Among these issues is the teaching experience of a teacher, the

subject taught by the teacher and the training that the teacher has attended (Yahaya et al., 2006).

Holwerda, (2018) claimed that skills has a positive relationship with the intention while Bali, (2014) stated that finding more positive attitudes toward the behaviour and higher intentions to produce such behaviour. However, Fanning & Ricks, (2017) found that individual skills significant factors with subjective norms and individual's skills are positive related with behaviour to usage the computer (Igbaria et al., 2015). As a result, we have come out with the following hypothesis:

H1: Individual skills are positively significant related with the intention to use among school teachers.

H2: Individual skills are positively significant related to an attitude among schools teachers

H3: Individual skills are positively significant related to subjective norms among schools teachers.

H4: Individual skills are positively related to perceive behavioural among school teachers.

Theory of Planned Behaviour

The theory of planned behaviour (TPB) model developed by Ajzen (1991) is used as one of the most recognised testing instruments for measuring the cognitive factors of consumers. TPB proposes that behaviour is determined by the combination of an individual's intentions to engage in a particular behaviour. According to the TPB, human behaviour is guided by three kinds of beliefs (Ajzen 1991). 1) Behavioural beliefs it's about the likely outcomes of the behaviour and the evaluations of these outcomes. These beliefs produce a favourable or unfavourable attitude toward the behaviour. 2) Normative beliefs refer to the perceived behavioural expectations of such important referent individuals or groups as the person's spouse, family, friends, and teacher, doctor, supervisor, and co-workers, depending on the population and behaviour studied. These beliefs result in perceived social pressure or subjective norm and 3) Control beliefs it's about the presence of factors that may facilitate performance of the behaviour and the perceived power of these factors. These beliefs indicate whether the person feels in control of the action in question and they give rise to perceived behavioural control. Further, TPB has emerged as one of the most influential and popular conceptual frameworks for the study of human action in Figure 1.

Attitude (ATT)

The concept that attitudes towards teams are a collective identity has been used for conventional marketing methods such as segmentation where the focus is on the similarity of consumers (Sumida et al., 2014). According to Soares et al., (2017) attitudes are hypothetical constructs that refer to "a psychological tendency that is expressed by a particular entity with some degree of favour or disfavour". The computer has stirred deep and keen interest in education over the past decade. In many developed countries, teachers are already using computers in the classrooms. Developing countries such as Malaysia are trying to introduce networks in schools on a national scale. This is necessary because information technology tools such as the computer have made a significant impact in developed societies and will soon be widely used by many segments of society worldwide (Abbas, 1995). However, research has shown that one factor in the successful implementation of computers in educational institutions is user acceptance and user acceptance is believed to be influenced by user attitudes (Koohong, 1989). It is expected that once user attitudes are identified, steps may be taken to change these attitudes, if necessary. Teachers' attitudes have also been found to be the key to the successful implementation of computers in schools (Hunter & Deleew,

1986; Stevens 1980). A study by Kabir et al., (2017) found that attitude will influence their behavioral intention and attitude was reported to be the most important factor that predicted the intention (Brouwer et al., 2009). Hence, our next hypothesis is follows:

H5: Attitude is positively significant related to intention to use the Internet among school teachers.

Subjective Norms (SN)

Yarmen et al., (2016) found that subjective norm can be defined as someone's perception of the pressure of his/her relatively talented people to perform or not to perform behavior. The researchers also conclude that the strength of the relationship between subjective norm and intention to share knowledge is hugely influenced by facilitating favorable organizational climate (Rahman et. al, 2016). The TPB holds that subjective norm is a function of beliefs. Beliefs that underlie the subjective norm are called normative understanding. Thus, if a person believes that the most critical referents think that behavior should be performed, then the subjective norm should influence the intention of the individual to perform the behaviour in question (Bidin, Shamsudin & Sharif, 2010). The referents here refer to a group of people who are close to the individual, for instance, family, peers, spouse, close friends, teachers, and many people who are considered necessary. Organizational studies have found subjective norm to be an essential determinant of behavioural intention to use information technology (Hartwick & Barki, 1994; Moore & Benbasat, 1993). Previous studies found that subjective norms have significantly towards intention (Chuchinprakarn, 2005) and the hypothesized is follows:

H6: Subjective Norms is positively significant related to intention to use the Internet among school teachers.

Perceived Behavioral Control (PBC)

If this belief is related to specific achievements, such as one's belief in mastering computing skill well, then it is called perceived behavioral control (Reni & Anggraini, 2016). Ajzen (1988) defines behavioral control as follows: "this factor refresh to the perceived ease or difficulty performing the behavior and it assume to reflect experience as well as anticipates impediment and obstacles", which means that these factors reflect the perceptions would be challenging or not perform an action and assumed a reflection of experience and anticipation of obstacles. This construct is affected by perceptions of access to necessary skills, resources, and opportunities to perform the behavior. If an individual does not have control over the circumstances, he/she may not have any or have less intention to achieve particular behavior (Bidin, Shamsudin & Sharif, 2010). In behaviour intention research, perceived behavioural control has been found a significant determinant of usage intention as revealed by Mathieson (1991). In general, attitude toward the behavior and perceived behavioral control significantly explained variation in intention (Smith, 2018) and perceived behavioral control significantly relationships between beliefs and intention (Close et al., 2015). Hence, our final hypothesis is as follows:

H7: Perceived Behavioral Control is positively significant related to intention to use the Internet among school teachers.

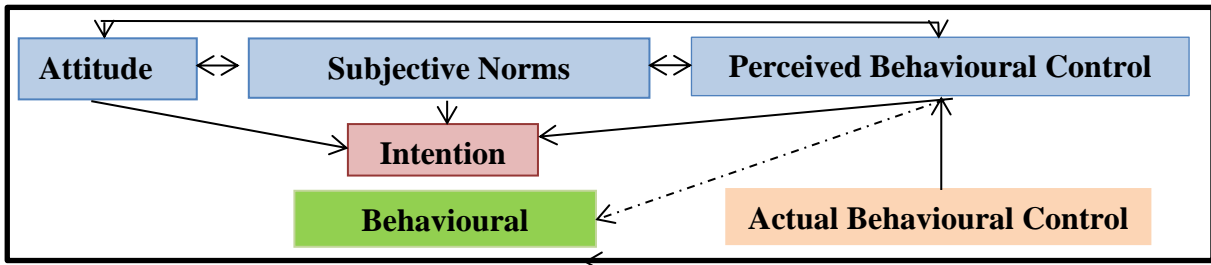


Figure 1: Theory of Planned Behavior (TPB)

Source: (Ajzen, 2006)

Intention to Use (ITU)

Intentions reflect a conscious plan or decision to enact the behaviour (Rhodes et al., 2013). The TPB also tries to predict in- entirely volitional behaviours by incorporating perceptions of control over the performance of the behaviour as an additional predictor and the structural effects of attitude, subjective norm, PBC, and intention were freed based on the tenets of the TPB (Ajzen, 1991). The TPB was developed to predict an individual's behavioural intentions toward a specific event (Ajzen, 1985, 1991). Behavioural intention represents an individual's readiness or willingness to behave in a certain way (Ajzen, 1985). TPB posits that the individual's behavioural intention is influenced directly by motivation factors in their decision-making processes (Kam et al., 2018). The more favourable attitudes and subjective norms combined with greater perceived behavioural control, the stronger the intention of environmentally- oriented behaviour (Ham et al., 2016).

Development of Theoretical Framework

Previous studies agreed upon the need for adding other variables in TPB to measure aspects of control associated with individual skills along with available resources and management support in Figure 2 (Buhmann et al., 2018). Ajzen and Fishbein (1980) proposed the theory of planned behaviours (TPB) to suggest that individual behavioural intention would be influenced by environmental pressure caused by norms.

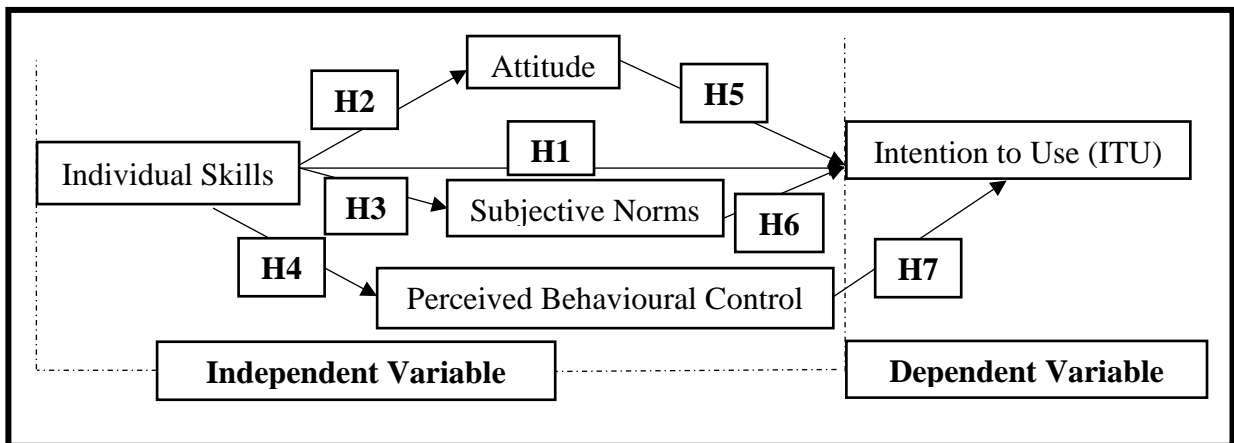


Figure 2: Research Model

Source: (Buhman et al., 2018)

Research Methodology

The unit of analysis of this study is at high school government only. The respondent of this study were the teachers that have intention to use digital education in classroom PDP for

teachers day-to-day and convenience. According to the list from E-Operation from MOE on June 1, 2016 in Table 1, there are 181,978 teachers come from secondary school. E-Operation is the system, that MOE can know the number of teachers from the current mascot in Malaysia. E-Operation is one of the modules for School Management System (SPS), MOE under the Master's Management. This module is developed by the Information Management Division (BPM) supported by the School Management Division (BPSH), Human Resource Management Division (BPSM), and MOE Operations Sector (SOP) and it involves the management of data related to teachers and non-teachers involving several categories of users, for users (teachers and non-teachers) and system administrators MOE management at Division, State, District, and School level).

Table 1: Statistics of Teachers in Malaysia

Level	Number Of Teachers
Primary School	239,850
Secondary School	181,978
Total	421,828

Source: Malaysia Education Ministry 2017

Based on Green (1991) to test the predictors to the framework based on the theory adopted or improved, it will assume a medium effect size by (Cohen, 1988; Gefen et al., 2011). Table 2 is the Initial sample size requirements show the rations of the population and sample. Five predictors from the research framework which is Individual Skill, Attitude, Subjective Norms, Perceived Behavioural Control and Intention to use, it shows that the minimum sample size is 91.

Table 2: Initial sample size requirements

Number of predictors	Effect Size		
	Small	Medium	Large
1	390	53	24
2	481	66	30
3	547	76	35
4	599	84	39
5	645	91	42
6	686	97	46
7	726	102	48
8	757	108	51
9	788	113	54
10	844	117	56
15	952	138	67
20	1066	156	77
30	1247	187	94
40	1407	213	110

Source: (Green, 1991)

Measurement of Variables

All items used to measure the constructs in the theoretical framework were adopted and adapted from (Armitage & Conner, 2001) that covers the items to measure IS, ATT, SN, PBC and ITU. To analyse data use PLS-SEM, previous study by (Cohen, 1988; Chin, 1998) using Table Green (1991) for accurate assessment.

Data Analysis and Findings

The data were analysed using Smart PLS version 3.2.7 software that developed by Ringle et al (2015), which is a variance based on structural equation modelling (SEM). SEM is a technique to estimate causal relationship among variables. Following the two-stage analytical procedure, the measurement model is analysed first to assess the reliability and validity of the instrument and then hypotheses were tested through the structural model. The detail descriptions of both measurement model and structural model are summarised in the following sections. It is a suitable choice to present the analysis instead of using covariance-based SEM because this study intended to predict the relationship between the variables in the research model rather than reproducing the covariance matrix to achieve model fit (Hair et al., 2016). SEM is a technique to estimate causal relationship among variables. Following the two-stage analytical procedure, the measurement model is analysed first to assess the reliability and validity of the instrument and then hypotheses were tested through the structural model. The detail descriptions of both measurement model and structural model are summarised in the following sections.

Measurement Model

The first test is convergent validity which reflects whether a particular item measures a latent variables that it is supposed to be (Urbach & Ahlemann, 2010). Hair et al. (2016) proposed that the loading and average variance explain (AVE) must exceed 0.5, and the composite reliability (CR) must reach 0.7 to ensure that convergent validity is established in the model. Thus, it can be confirmed that the measurement model showed the evidence of convergent validity. A measurement model has satisfactory internal CR each construct exceeds the threshold value of 0.7. Table 3 shows that the CR of each construct for this study ranges from 0.879 to 0.944 and this is above the recommended threshold value of 0.7 and show the loadings on each item also the AVE on each indicator and loadings on each item. Figure 3 show the loadings on each indicators and the R square. Table 3 and figure 3 describe the results of the measurement model.

Table 3: Measurement Model

Construct	Items	Loadings	CR	AVE
Attitude	AT1	0.774	0.939	0.582
	AT2	0.741		
	AT3	0.734		
	AT4	0.793		
	AT5	0.782		
	AT6	0.739		
	AT7	0.812		
	AT8	0.742		
	AT9	0.786		
	AT10	0.744		
	AT11	0.742		
Individual Skills	IS1	0.759	0.879	0.593
	IS2	0.782		
	IS3	0.780		
	IS4	0.804		

	IS5	0.723		
Intention to use	IT1	0.833	0.936	0.621
	IT2	0.758		
	IT3	0.809		
	IT4	0.808		
	IT5	0.848		
	IT6	0.810		
	IT7	0.758		
	IT8	0.705		
	IT9	0.753		
Perceived Behavioural	PB1	0.760	0.944	0.654
	PB2	0.810		
	PB3	0.820		
	PB4	0.809		
	PB5	0.841		
	PB6	0.862		
	PB7	0.782		
	PB8	0.808		
	PB9	0.780		
Subjective Norms	SN1	0.708	0.937	0.674
	SN2	0.708		
	SN3	0.790		
	SN4	0.777		
	SN5	0.796		
	SN6	0.780		
	SN7	0.721		
	SN8	0.715		
	SN9	0.799		
	SN10	0.783		
	SN11	0.750		

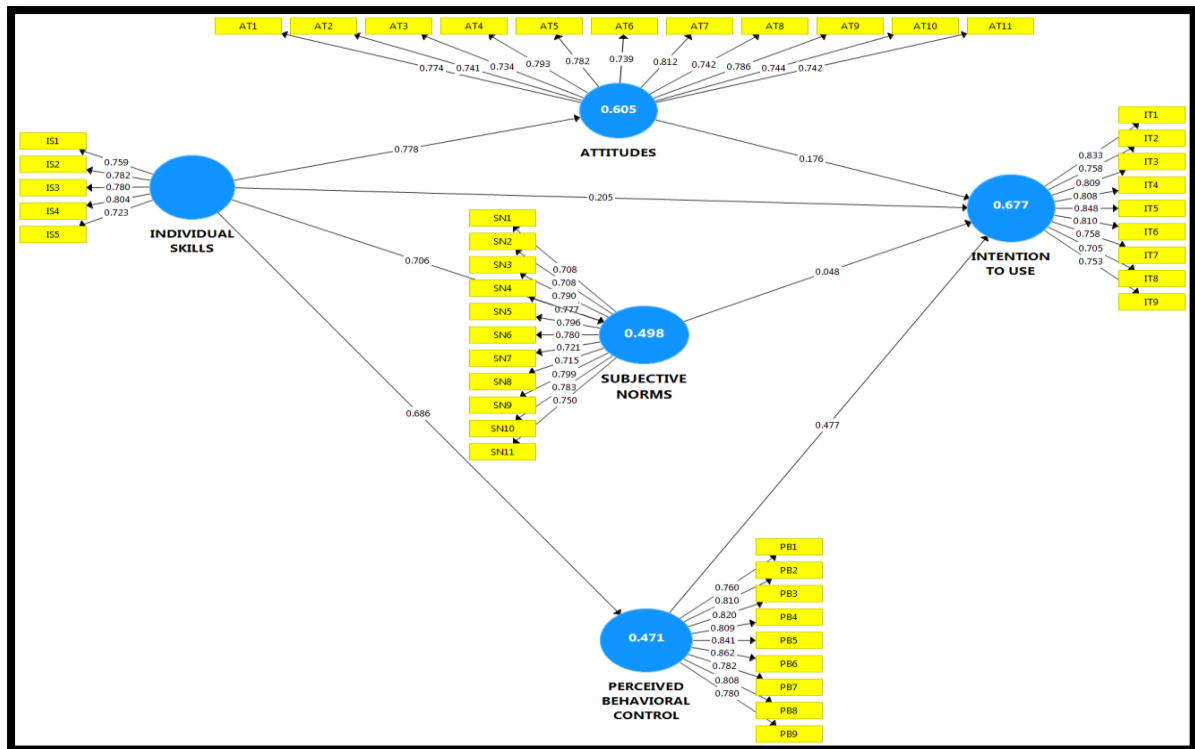


Figure 3: Measurement Model

Discriminant validity assesses the extent to which a concept and its indicators differ from another idea and its indicator also is measured by examining the correlation between the measures of the potential overlapping constructs (Fornell & Larcker, 1981). According to Compeau & Higgins, (2018) the average variance shared between each construct and its measure should be greater than the variation shared between the constructs and other constructs. Table 4 showed the results of discriminant validity, all the diagonal values (square root of AVE) are higher than off-diagonal values (correlations between the construct) indicates that the measure is discriminant.

Table 4: Inter- Correlation Matrix

	Attitudes	Individual Skills	Intention to use	Perceived Behavioural	Subjective Norms
Attitudes	0.763				
Individual Skills	0.754	0.810			
Intention to use	0.723	0.597	0.788		
Perceived Behavioural	0.735	0.668	0.785	0.796	
Subjective Norms	0.770	0.694	0.698	0.765	0.781

Note: Bold values indicates the square root of AVE of each construct

According to Henseler et al., (2015), discriminant validity can be assessed through the multitrait and multimethod matrix, namely the Heterotrait-Monotrait Ratio (HTMT). Using HTMT criterion, if the values are greater than HTMT 0.85 indicate there was a problem with discriminant validity. As shown in Table 5 shows that the discriminant validity is validity is established because all of the value for HTMT were lower than most conservative value set by Henseler et al., (2015).

Table 5: Heterotrait-monotrait Ratio (HTMT)

	ATT	IS	ITU	PCB	SN
ATT					
IS	0.796				
ITU	0.804	0.775			
PBC	0.834	0.760	0.824		
SN	0.743	0.826	0.833	0.847	

Hypotheses Testing

Before assessing the structural model, it is important to ensure that there are no collinearity issues in the structural model. To assess the structural model, Hair et al., (2017) suggested looking at the beta (β) and the corresponding t-values via a bootstrapping procedure with a resample of 500. As asserted by Sullivan & Feinn (2012), while a p-value can inform the reader whether an effect exists, the p-value will not reveal the size of the effect. In reporting and interpreting studies, both the substantive significance (effect size) and statistical significant (p-value) are essential result.

To validate the proposed hypotheses and the structural model, the path coefficient between two latent variables is assessed. Based on previous studies, the path coefficient value needs to be at least 0.1 to account for a specific impact within the model (Hair et al., 2011; Wetzels et al., 2009). From the analysis, supported hypotheses are significant at least at the level of 0.05, have expected sign directions (i.e., positive) and consist of a path coefficient value (β).

The result reveal in Table 6 show that three hypotheses were supported (H2, H3, and H5) and another four hypothesis were found as not supported (H1, H4, H6 and H7). Individual Skills ($\beta = -0.006$, $t = 2.400$: LL = 0.059, UL = 0.338, $p < 0.008$), ($\beta = 0.203$, $t = 21.718$: LL = 0.716, UL = 0.832, $p < 0.001$), ($\beta = 0.003$, $t = 15.638$: LL = 0.630, UL = 0.781 , $p < 0.001$) and ($\beta = -0.002$, $t = 1.641$: LL = 0.590, UL = 0.765, $p < 0.000$). Attitude ($\beta = 0.003$, $t = 1.641$: LL = 0.010, UL = 0.369, $p < 0.003$). Subjective Norms ($\beta = -0.009$, $t = 0.433$: LL = -0.114, UL = 0.237, $p < 0.333$). Perceived Behavioural Control ($\beta = -0.005$, $t = 4.752$: LL = 0.301, UL = 0.621, $p < 0.001$).Some hypothesis show the value that it should be supported and unsupported, since the hypothesis generated was positive, and the finding found that it was negatively related, though it claimed as shown. Table 6.7 demonstrates the PLS estimation results.

Table 6: Hypotheses Testing

	Constructs	β	T-Value	P-Value	LL	UL	Result
H1	IS→ITU	-0.006	2.400	0.008	0.059	0.338	Unsupported
H2	IS→ATT	0.203	21.718	0.001	0.716	0.832	Supported
H3	IS→SN	0.003	15.638	0.001	0.630	0.781	Supported
H4	IS→PBC	-0.002	13.003	0.001	0.590	0.756	Unsupported
H5	ATT→ITU	0.003	1.641	0.051	0.010	0.369	Supported
H6	SN→ITU	-0.009	0.433	0.333	-0.114	0.237	Unsupported
H7	PBC→ITU	-0.005	4.752	0.001	0.301	0.621	Unsupported

Discussion and Conclusion

The objective of this study is to analyse the intention of conducting Digital Education among school teachers in Malaysia. By adopting the TPB Framework, this study has revealed

essential determinants that can influence the intention. This study has confirmed that the hypotheses for Individual skills on the attitudes and behaviours of the perceived behaviour, the attitude of the attitude used the norm of norms to be used, and the control of the perceived behaviour for the intention to use.

As a result, hypothesis H1 is not supported in the resulting hypothesis; there is a positive significance between individual skills and intention to use. After the hypothesis testing, we got a negative relationship between Individual skill and intention to use. Further, the result, H2, and H3 hypotheses are supported but H4 are not supported. This decision is in line with previous studies that examine Attitudes with Individual Skills (Kruglanski et al., 2015). Similarly, Petty and Wegener (1998) affirmed that "attitudes (are) because of the fundamental role that individual' attitudes. Garrison et al., (2016) this study is in line with the decision between Subjective Norms with Individual Skills, and the Subjective norm is the social pressure exerted on an individual for performing or not performing a specific behaviour (Fishein & Ajzen, 1975; Fishbein & Ajzen, 2010). Even in past studies such as .an individual's belief about the "presence or absence of requisite resources and opportunities" (Yi et al., 2017) and Individual Skills and theorizing perceived behavioural control as a determinant of intention as well as behaviour (Ajzen, 1985) states Individual Skills have a positive relationship with the PBC but based on this study we got a negative relationship between Individual skill and PBC.

Next, the hypothesis H5 is supported, but H6 and H7 are not supported. This decision is in line with previous studies that examine Attitudes with Intention to use (Vigoda, 2000) show that attitudes affect the behavioural intentions. Even in past studies such as have state the subjective norms are proposed to influence behaviour through their impact upon intentions their impact upon intentions this study is in line with the decision between Subjective Norms with Intention and Perceived Behavioural Control will add to the prediction of behaviour over and above the effect of behavioural intention (Sutton, 1998) but based on this study we got a negative relationship between Subjective Norms with Intention to use and Perceived Behavioural Control with Intention to use.

The study has the limitation that gives the impetus for further research in the field of investigation. First, our analysis is cross-sectional and measures the teachers' intention in using digital education which may be less common than longitudinal studies, and this study predicts the user's intention. Hence, future research can be done on the behaviour of real consumer customers and further increase the number of respondents to obtain more significant data. Also, this study should involve teachers in government and private schools comprising primary and secondary school teachers to learn more about the provision of teachers in Malaysia on digital education now. This study has contributed to research by explaining the ongoing features of knowledge sharing and the determinants of continuous intentions in the context of digital education and intention to use. Theoretical contributions are presented below: First, this article contributes to providing a better understanding of ongoing knowledge sharing and identifying the theoretical foundations that describe this current behaviour. Secondly, this study uses the theory of Planned Behaviour, to explain more about what determines Intention to use in the community of teachers towards digital education. This study follows strictly as the presumption of this theoretical model by using only the constant associated factors as a determinant.

In the context of management, this study provides information on the Intention of teachers in using digital education to MOE. Based on the empirical results of this study, individual skills

acquired for a teacher do not affect the intention to use digital education among school teachers. This demonstrates the ability of teachers on electronic items and digital literacy that needs to be applied in schools is still in good stead. This is because teacher's still need sufficient training to use and apply this digital education better. This data can help MOE realise the new standardisation of Digital Education among teachers. The findings of this study will help the Malaysian Education Ministry to devise strategies to support and motivate academicians to use the Internet more in their work to prepare for changes in school teaching and learning processes to become e-schools.

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