Research Article

Attitude Towards Technology and its Impact to Student Learning

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Article Information	ABSTRACT
	The study employed 60 first year students, 35 females and 25 males. Data collection is through questionnaires adopted from an open source. The responses of the respondents were collected, tabulated and described. The respondents enjoyed the use of technology. They do not avoid the use of technology and do not consider that it takes time in using it. They do not consider the technology intimidating them nor threatening them. They believed that the students should know how to use the technology properly. They were very confident when it comes to working with technology at home, at work and in the school. Generally, their attitude towards technology is positive. Both males and females have signified interest and positive behavior towards the use of technology. The respondents use technology every day. They were smart phones users and believed that the technology helps in their educational pursuits. The respondents have experienced to have cheated using the technology. Ways that can further enhance their learning experiences were personalized learning, interactive content, collaboration with peers and real time feedback. They believe, that their teaches have adequate training in integrating technology and hopes that the technology will rare a continuous impact in the future. The respondents have embraced the technology, and perceived that it has greater role in their learning experiences.

INTRODUCTION

There were several studies conducted as regards the attitudes of students towards learning attitude, towards achievements and extra co-curricular activities but is seldom on attitudes towards technology and its impact on the students learning.

In recent years, however, the theoretical foundation for the study of attitudes towards technology has been popularized. An attitude is an evaluation of a psychological object, represented in dimensions such as good vs bad, pleasant versus unpleasant or likeable versus dislikeable. (Ajzen, 2011).

The influence of technology, on the other hand is perceived to have high impacts on learning experiences of the teachers. In addition, technology provides opportunities for learning control as well as it helps students investigate and answer complex question, develop new thinking skills and access, evaluate and synthesize information. (Hanus and Fur, 2015), Furthermore technology can help students set goals, form and test hypothesis.

In the study of (Murad et.al, 2019) it was found out that technology-based education in terms of ease of use and perceived usefulness has significantly impact to students' performance. It is a major assumption that attitude of learners towards technology can greatly affect their learning experiences.

This study attempts to determine the attitude of the first year College of Education students in Central Luzon State University, Philippines and determined how technology contributes to their learning experiences.

METHODOLOGY

The study uses questionnaire as the main instrument in data gathering. The respondents were first year College students of the College of Education, Central Luzon State University, Philippines.

The questionnaire on attitude about technology was taken from an open source (International Journal of Technology and Education), The second instrument on technology in learning experience was gleamed from an open source in an internet (start question /

survey-ideas / the impact of technology. The responses of the respondents as analyzed using descriptive statistics only.

RESULTS AND DISCUSSION

Profile of the Respondents

There were 60 respondents in this survey. Majority of them were female 35 or 58.33 percent while males were 25 or 41.66 percent. All of them belong to one section, Bachelor of Elementary Education (BEEd) Section 1

Responses to the Question (Attitude about Technology)

1. I enjoy using technology

In this parameter 55 or 91.46 % of the respondents responded that they were "Strongly Agree" with the statement, where as 5 or 8.33% said that they "Agree". This means that the respondents were basically enjoy using the technology. According to Greater Good: The Science of Meaningful Life (November 2019), the use of social media engage in a kind and helpful behavior and activities that have been shown to boost health and well-being.

2. I avoid using technology when I can.

Asked about this question, 54 or 90% of them were strongly disagree and only 6% who were Agree. This goes to show that the respondents do not avoid the use of the technology and only a few avoid. Prutinsky (2021) offers advise that parents need to work together with their children to manage technology. He acknowledges the benefits from the technology but advised to help them the risks involve.

3. I think using technology in class takes up so much time

In this statement, 55 or 91 percent were "Strongly Disagree" where as 5 or 8.33 percent said "Agree". The response indicate that the respondents do not consider time constraint as far as the use of technology in the discussion.

4. I know that technology can help to learn many new things

All of the respondents (100%) are in unison in their rating as Strongly Agree. This means that the respondents believe that through the use of technology they can learn new things. The effective use of digital learning tools in classroom increases students' engagement and facilitate learning effectively. (American University School of Education Online, 2020)

5. **Technology intimidates and threaten me**

No one from amongst the respondents were intimidated and threatened in the use of technology. The respondents belong to the so-called millennials, it appeared that they believe that the use of technology definitely do not intimidate them, indicating that they see technology is useful than give discomfort to them. Definitely no fear, while technology can be used for prosocial and educational purposes, fear of its use when it was misused and abused (Science Direct.com, hhtps//www.sciencedirect.com

6. **Students should know how to use technology in class**

All the respondents were perfectly in "strongly agree" with this statement. This means that they were in strong agreement that it is really a must to use technology not only in the classroom but also other endeavors.

7. **It would be better learner if I know how to use technology properly**

Almost all the respondents adhered do this statement, 55 or 91.66% responded that they were "strongly agree" and only five or 8.33% "agree". They are in a strong conviction that they will learn better if they know how to use technology.

8. **I am very confident when it comes to working with technology at home/at school/in the university**

The respondents were confident that they worked with technology will either in school or in the school. The youth are more exposed to the use of technology wherever they are. According to Spinger (2018), "Encouraging yourself and your team to have an open mind and prejudice towards technology only improve the results you see from it".

9. **I want to learn more about using technology at home/at school/at the university**

All of the respondents were interested to learn more about using technology at home/in school/at the university. They were always in curiosity to explore the use of technology may it be at home or anywhere. It is irresistible.

10. I believe that I can learn better through the use of technology

Most of your respondents, 55 or 91.66% that they can learn better through the use of technology, whereas five for 8.33% said that they agree. Indeed, technology provides access to a variety of educational resources from online libraries, databases, e-books, videos and tutorials and interactive simulations.

II. Impact of technology on student learning

The questions delve into profound effects of technology in the students learning experiences. The survey seeks to gain insight into the role of technology in shaping your education.

Respondents were asked to reflect on the benefits and challenges of utilizing technology for academic purposes as well as to envision the future implications of technology on the educational landscape.

1. **How often do you use technology for learning**

   This question were answered every day by all the respondents. They use technology every day in whatever manner as long as they derived learning from it.

2. **What types of technology they use for education?**

   Mass of the respondents for using a smartphone and laptop (53 or 83%, while others seven or 11.66% were using smartphone only. None of them were using tablet or desktop computer. Smartphones are very convenient to use because it is easy to carry and they are comfortable with this gadget.

3. **Do you feel technology has improved your learning experience?**

   All respondents have agreed to this statement. They are claimed that using technology gives them to opportunity to improve their learning experiences.

4. **What specific apps or websites do you use for educational purposes?**

All of them have answered google as their main app use for educational purposes. They use google in their assignments and researches.

5. Do you prefer online classes or traditional in person classes?

Majority of the respondents, 40 or 66.66% preferred online classes while 20 or 33.33% preferred hybrid mode of classes.

6. What challenges have you faced with using technology for education?

Almost all of them, 58 or 96.66% claimed that internet connectivity was the main challenge they were facing. The Philippines need to further develop the internet connectivity since the country according to an international think tank lags behind compared to countries in Asian region. (pids.gov.ph,3/2024).

7. Do you think technology can help bridge the education gap for students can remote underserved areas?

All the respondents said "definitely" technology can connect students to continue the education" only if there is an access to internet. The government should provide strategies to bridge the gap of the students in remote areas to at least resolve the issue, so that they can access to education offered using technology as a platform.

8. How technology change the way you study or research?

According to the responses of the respondent's technology helped them a lot in their assignments and in the pursuit of their researches. They can easily shed lights things that are not clear to them. According to American University School of Education Online (2021), technology motivates students to learn. True gamification in education they look forward to having time on their devices to explore and learn things through websites.

9. Have you ever cheated or use technology to cheat in your academics?

Half of the respondents claimed that they use technology in conducted by their assignments. In the national poll conducted by The Beneson Strategy Group, (2009), revealed that more than 35% of teens admit to cheating with cellphones, and more than half admit to using the internet to cheat.

10. **In what ways do you think technology can further enhance your learning experiences.**

> The respondents claimed that the technology enhanced their personalized learning, enjoyed the interactive content, collaborated with peers and that real time feedback from the year friends, relatives and teachers.

11. **Do you think teachers are adequately trained to integrate technology into their teaching practices?**

> The respondents have anonymously "agree" to this statement. According to Drexel (https://drexel.edu) the use of technology during class discussion can foster students' engagement for auditory and visual learners. The teacher can integrate technology in their teaching practices through the use of Powerpoint presentations and games, internet homework activities, online grading system, and also as a classroom platform through synchronous and asynchronous classes.

12. **How do you think technology will continue to impact education in the future?**

> To respondents for strongly in agreement that technology will certainly to impact lives of the people, especially in the field of education. In the article The Role of Technology in the Future, https://timesofindia.com, it says " technology can help us to solve some of the world's most pressing problems, such as climate change and poverty..

CONCLUSION

A total of 60 first year College of Education students were surveyed. Majority were females and belong to Elementary Education section. These were students of Central Luzon State University, Science City of Munoz, Nueva Ecija, Philippines.

The respondents enjoyed the use of technology. They do not avoid the use of technology and do not consider that it takes time in using it. They do not consider the technology intimidating them nor threatening them. They believed that the students should know how to use the technology properly. They were very confident when it comes to working with technology at home, at work and in the school. Generally, their attitude towards technology is positive. Both males and females have signified interest and positive behavior towards the use of technology.

The respondents use technology every day. They were smart phones users and believed that the technology helps in their educational pursuits.

The respondents have experienced to have cheated using the technology. Ways that can further enhance their learning experiences were personalized learning, interactive content, collaboration with peers and real time feedback. They believe, that their teachers have adequate training in integrating technology and hopes that the technology will rare a continuous impact in the future.

The respondents have embraced the technology, and have greater role in their learning experiences.

THANK YOU NOTE

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