

Component 2 - Research Report

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LCHS4002_BIRM

Digital Skills and Research Methods.

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INTRODUCTION

In this research report, will be discussed about digital skills and this following research question 'Which digital skills do University of Wales Trinity Saint David students think are most important? 'The purpose of the research is to examine the importance and the connection of digital skills in a uwtsd student.

Digital skills are defined” as a range of abilities to use digital devices, communication applications, and networks to access and manage information. They enable people to create and share digital content, communicate, collaborate, solve problems for effective and creative self-fulfillment in life, learning, work, and social activities at large.” (Unesco,2023)

In this first research report, I go through various steps to make sure that I have collected all the material to conduct good research. Describe fully the research question and method, ethical consideration, results of the data get together and discussed about it.

RESEARCH QUESTIONS

This section aims to describe the research question that helped to conduct this research study. This is the following research question that is being used for our research: Which digital skills do University of Wales Trinity Saint David students think are most important?

Choosing the following research question helps me identify what uwtsd students think about digital skills and which is the most important one according to the students. This also permitted them to improve their knowledge, classify different digital skills, compare them, and analyze the impact that digital skills have on this generation.

The reason why we decided to use this question is because it is a very open question that students can answer it, very relevant and helped us to compare the different perspectives of each uwtsd student. In this academic, we use a lot of digital skills that help us to develop our skill, to learn and use for our academic writing.

METHOD

In this component will be describe about the method used in this research including the question asked and how recruited participants.

Research methods “are the strategies, processes or techniques utilized in the collection of data or evidence for analysis in order to uncover new information or create better understanding of a topic” (The University of Newcastle, Australia, 2023). In this process, we find two main categories that are used to collect data. The first one you discover in this classification is the qualitative research method, and the following is the quantitative research method.

“Creswell (2002) noted that quantitative research is the process of collecting, analyzing, interpreting, and writing the results of a study, while qualitative research is the approach to data collection, analysis, and report writing differing from the traditional, quantitative approaches” (Carrie W.2007). Also, qualitative is focused on opinions and feelings, meanwhile quantitative is focused on research that can be measured.

Many types of research methods might be used to conduct studies. In this research, we used Ms Form questionnaire to collect our data. The form was printed and completed manually by 5 students in the university. We selected 5 questions provided by a question bank corresponding with the research question found in week 4 in our academic journey. Based on what our tutor said, we choose different types of questions to vary our questionnaire. We used open questions, closed questions, rank order questions and likert scale questions.

An open question is a question that can have any answer. There is no wrong answer that can help you to express your through. This type of question is used in qualitative

research rather than quantitative as it is difficult to score an open question as you cannot predict the responses.

The closed question presents only answers 'yes' or 'no'. This type of question can be useful for quick responses that give answers that can be easily compared. A tally can be formed, how many people said yes? How many people said no?

Rank order questions here the researcher presents a list of words and asks the respondent to list them in order of importance. This question can be useful if there is one word which is repeatedly identified as most important or least important. It is very interesting to analyze how each of the students thinks differently.

Likert scale question here the researcher put a statement that the respondent with 'agree' or 'disagree' with. This type of question helps to start a discussion and share everyone's opinion.

After choosing the question, we went to the campus to find 5 participants who wanted to participate in this research mini project. We chose 3 girls and two boys that volunteering helped us to have our results.

ETHICAL CONSIDERATION

According to the World Health Organization (2023) it is important to adhere to ethical principles in order to protect the dignity, rights and welfare of research participants. As such, all research involving human beings should be reviewed by an ethics committee to ensure that the appropriate ethical standards are being upheld.

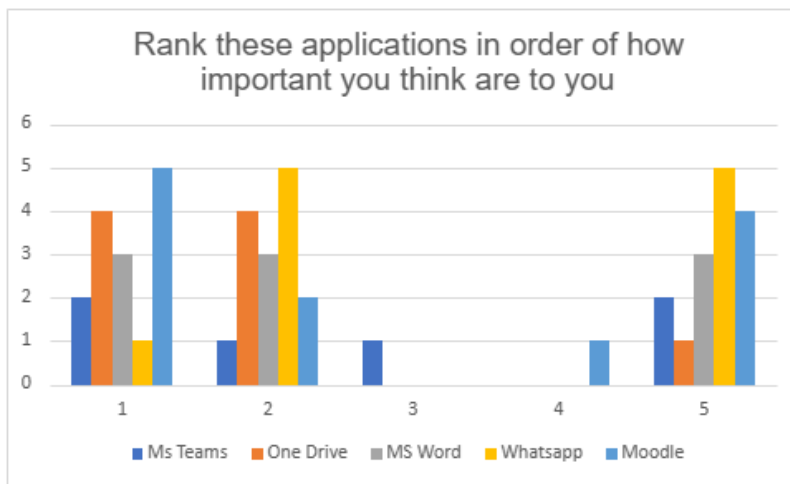
In this research project, we explain the purpose of the research, authentic data collection, consent for voluntary participation, collected data anonymously and committed the report data ethnically.

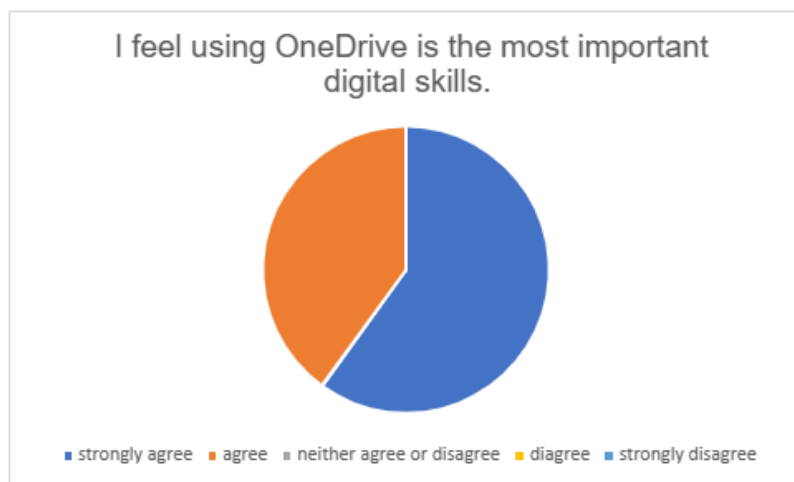
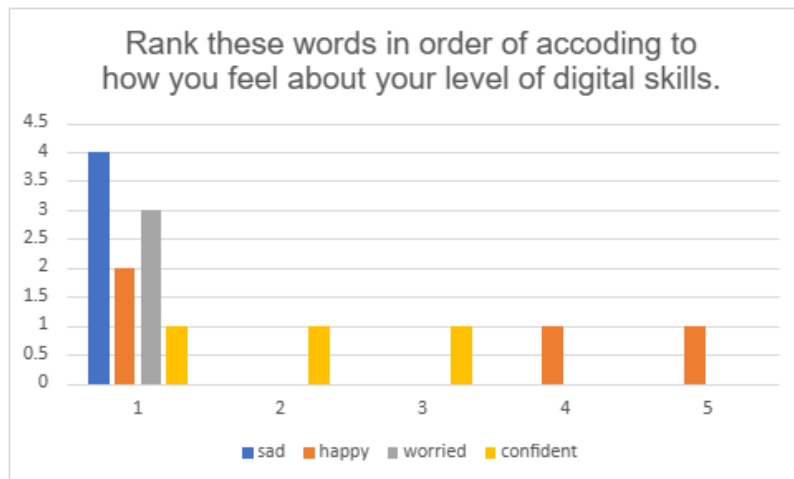
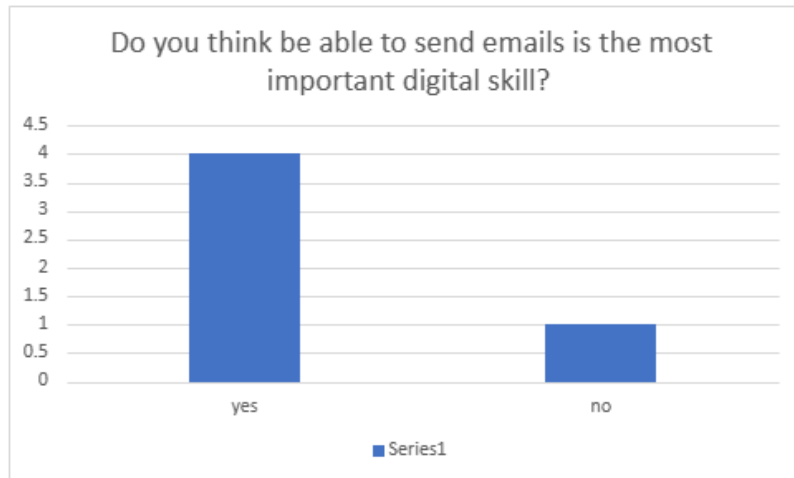
When preparing a study that requires data, maintaining confidentiality is a crucial step. Given the rights, legalizations, and data protection laws placed in place to help us protect the privacy of our researchers, confidentiality prevents fabricated responses.

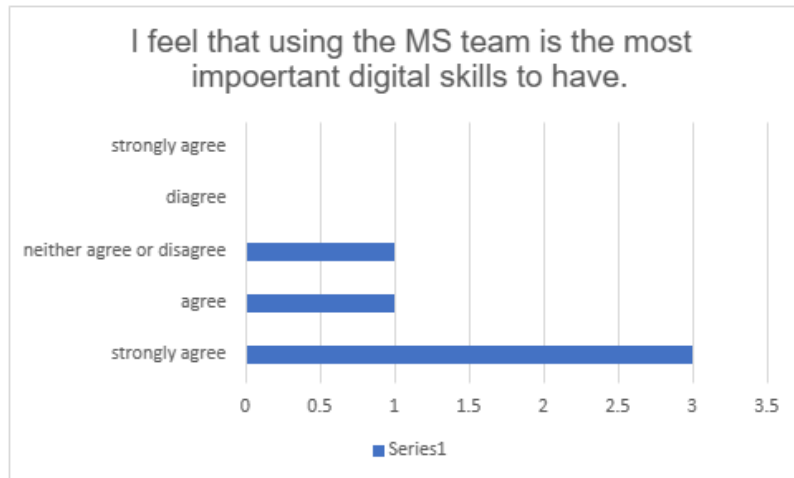
RESULT

This is the result that we collected from each question that we asked in week 7.

I decided to represent each question with a different type of graph. I used the excel program to achieve this graph and copy them on this report so that we can visualize each question combined.







DISCUSSION

On this piece of work, will be discussed about the results reported in the result section. According to the result, you can visualize that this Ms Form questionnaire was completed by 5 different students. Unfortunately, some of them did not correctly answer some of the questions, removing curiosity to know different opinions and to compare them with others. So, I could not be able to analyze exactly 5 different points.

In the first result, two of the components of this research missed the purpose of the question, just answering with the digital skills that they think are the most important for them. The rest of the students answered correctly indicating from the most important to the least important. Surprisal, WhatsApp was not in the first place as I thought because nowadays, we use more WhatsApp than text messages especially young people. Probability, they categorized based on the digital skills used most in academic world and not outside of the university.

The second result was exactly what I was expecting to be. Being a student, knowing how to send emails is very important especially when you need to communicate or send a document. Email is "important for communication because it allows users to send information in letter format, and email can replace traditional mail options." (Indeed,2023).

As I said at the beginning of this discussion, a few students did not correctly answer some of the questions reported in the questionnaire. In this question in fact, just one student completes the question, the other students identify just the feelings of the level

of digital skills without ranking them. Even though they made a mistake, we can tell that everyone is happy and confident using digital skills.

In the following question, OneDrive is being considered by the student agreed and strongly agreed to be the most important digital skill.

In the last result piece of research, everyone answered the question that I chose. This is the only question that is not fully the same answer but differences.

CONCLUSION

In conclusion of this first research report, I realize that every single step is very essential to achieve good research and always check and ask if your participants understand the questions that they need to answer so that nobody missed or ignore an important question.

So, which digital skills do uwtsd students think are the most important? Unfortunately, I do not have a real answer for this question as each student thinks differently but I can answer from my perspective. The most important digital skill is to be able to use words. Words is one of the main applications that we students use to write our assignments and essays. It is very important to be able to use it so you can complete your work but also if you do not understand Moodle, how can you upload your work? I think every digital skill relates to each other and all digital skills are important.

REFERENCE LIST

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LCHS 4002 Mike Wednesday PM Group 2

Which digital skill do UWTSO students think is most important?

1. I consent to part in this research voluntarily

- ☐ yes
- ☐ no

2. Rank these applications in order of how important you think are to you

MS Teams
OneDrive
MS Word
WhatsApp
Moodle

3. Do you think being able to send email is the most important digital skill?

- ☐ Yes
- ☐ No

4. Rank these words in order of according to how you feel about your level of digitalskills

Sad
Happy
worried
Confident

5. I feel that using the OneDrive is the most important digital skills

	Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
Please circle one	☐	☐	☐	☐	☐
Statement 2	☐	☐	☐	☐	☐

6. In feel that using the MS team is the most important digital skills to have

	Strongly agree	Agree	Neither agree or disagree	Disagree	Strongly disagree	Option 6
Please circle one	☐	☐	☐	☐	☐	☐
Statement 2	☐	☐	☐	☐	☐	☐