

Research Report

Module: Digital Skills and Research Methods

Student Id: 2115694

Lecturer: Zahra Mohammad Ansari

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1. Introduction:

In recent years, technology has become increasingly commonplace in education. From online resources to interactive whiteboards, teachers and students alike have access to a wealth of tools that can facilitate collaboration (Kessler, 2018). Despite this, many students remain reluctant to use technology to collaborate with their peers. This may be due to a lack of confidence in their ability to use the tools, or a lack of understanding of how to effectively collaborate online (Slinkina, 2019).

There are a number of ways to overcome these barriers. Providing students with clear instructions and models of how to use the technology can help them feel more confident. Additionally, giving them opportunities to practice collaborating online in a low-stakes environment can help them learn the ropes and build their skills (Hasselbring, 1991). With a little support, students can learn to use technology to collaborate effectively with their peers. It just takes a little patience and practice. In no time, they'll be collaborating like pros. Most importantly, they'll be better prepared for the increasingly digital world they live in. However, it can be difficult to know where to start and what technology to use. This research will help fill that need by providing an overview of the options available and offering some tips on how to get started and make the most of technology in education (Kessler, 2018). There are some of the technological tools that will be analyzed in the study.

WhatsApp is a cross-platform messaging app that allows users to communicate with each other. It is one of the most popular messaging apps in the world, with over 1 billion users. WhatsApp allows users to send text messages, voice messages, images, videos, and files. It also allows users to make video and voice calls. WhatsApp is available for Android, iOS, Windows Phone, and BlackBerry (Gon, 2017.).

OneDrive is a cloud storage service that allows users to store and share files. It is a part of Microsoft's Office 365 suite of applications. OneDrive is available as a free service with a storage limit of 5GB. Microsoft also offers a paid subscription service called OneDrive for Business. This service provides unlimited storage and additional features such as version history and the ability to share files with other users (Koonce, 1996).

MS Word is a word processing application that allows users to create and edit text documents. It is part of the Microsoft Office suite of applications and is available for both Windows and Mac OS X platforms. MS Word is a word processing application that allows users to create and edit text

documents. It is part of the Microsoft Office suite of applications and is available for both Windows and Mac OS X platforms. Adobe Acrobat: Adobe Acrobat is a software application that allows users to create, view, and print PDF files. It is available for both Windows and Mac OS X platforms (Gon, 2017.).

MS Excel is a spreadsheet application that allows users to store and manipulate data. It is a part of the Microsoft Office Suite of products which includes Word, PowerPoint, and Access. Excel is used by businesses and individuals to store data, create graphs and charts, and perform mathematical calculations. Excel has a number of features that make it a powerful tool for data analysis. It can import data from a variety of sources, including databases and text files. It can also perform a variety of statistical analyses, including regression, correlation, and t-tests. Excel also allows users to create macros, which are small programs that automate repetitive tasks. Macros can be used to automate data entry, create charts and graphs, and perform complex mathematical calculations (Gon, 2017.).

MS PowerPoint is a presentation application that allows users to create and share presentations. It is famous for its layout options, animation features, and slide transitions. Users can insert multimedia clips into their presentations to make them more engaging (Yarmolenko, 2019).

MS Streams is a video streaming service that allows users to watch and share videos. It is similar to other video streaming services, such as YouTube and Netflix. Vimeo is a popular video sharing website where users can upload, view, and share videos. It is similar to YouTube, but Vimeo focuses on high-quality videos and does not allow advertising (Gon, 2017.).

MS Forms is a form-building application that allows users to create and share forms. It allows users to create and share forms. It also allows users to collect responses to forms (Yarmolenko, 2019).

Moodle is a learning management system that allows users to create and share course materials. It is used by instructors to create and deliver courses, and by learners to access course materials and track their progress. Moodle is a free and open-source software package released under the GNU General Public License (Kumar, 2011).

MS Teams is a team collaboration application that allows users to work together on projects. It is similar to Slack, but also offers video and audio calling, as well as file sharing and screen sharing features. Teams can be created for specific projects, or for general collaboration between team members. Users can communicate with each other using text, audio, or video, and can share files

and screens. Teams can be accessed via the web, or through the Microsoft Teams app for Windows, Mac, iOS, and Android (Yarmolenko, 2019).

These are just a few of the many technological tools that can be used for the collaboration of the student's workplace and in challenging tasks. However, it is important to note that not all of these tools will be applicable to every situation. It is up to the individual to determine which tool or combination of tools will be the most effective for their specific needs. this study will investigate the adoption of technological tools by students in their workplace and how these tools can be used to improve student learning and engagement.

2. Research Design and Methods

Quantitative Research design has been used in the current study. There were twenty students who participated in the research by filling the questionnaire. In first part they Ranked in 100 Ranks the Applications, feeling words for using the applications and using those applications on OneDrive. In the Second part, they filled the questionnaire in selecting one option amongst the four which are Strongly Agree, Agree, Disagree and Strongly Disagree.

2.1 Research Question

Are students confident in using technology to collaborate?

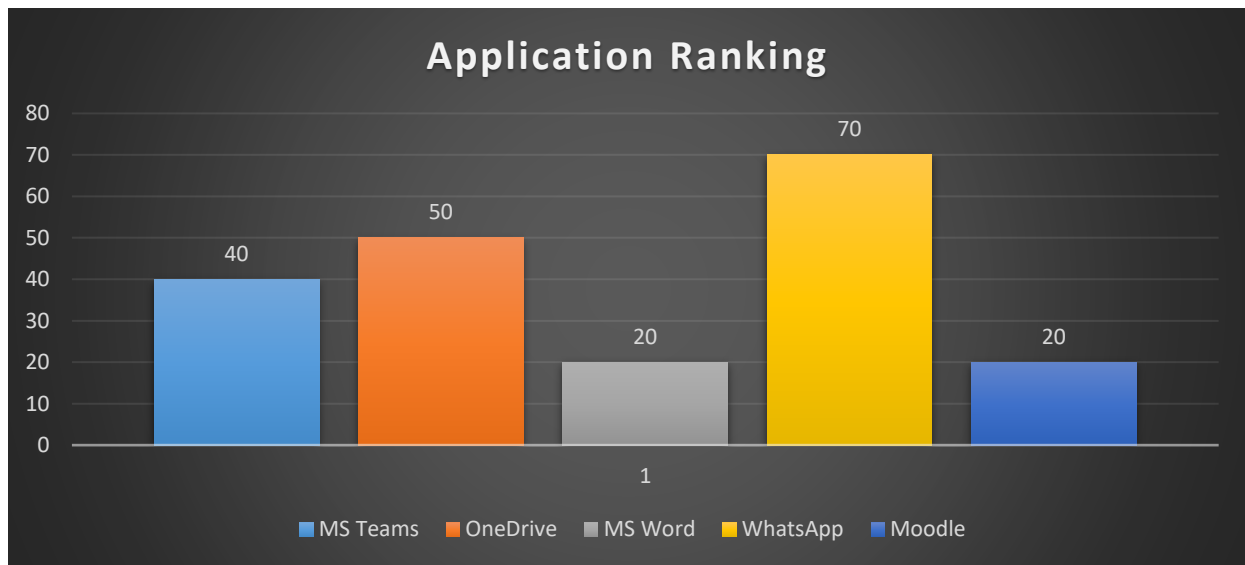
2.2 Ethical Considerations

1. All participants were given the same opportunity to participate in the research.
2. The researchers ensured that all participants are aware of the purpose of the research and the expected outcomes.
3. The researchers created an environment where all participants feel comfortable sharing their views and opinions.
4. The researchers respected the confidentiality of all participants and protect their personal information.
5. The researchers ensured that all data collected is used ethically and for the purpose it was intended.
6. The researchers made sure that the research findings are disseminated in a responsible manner and without causing any harm to the participants.

3. Results

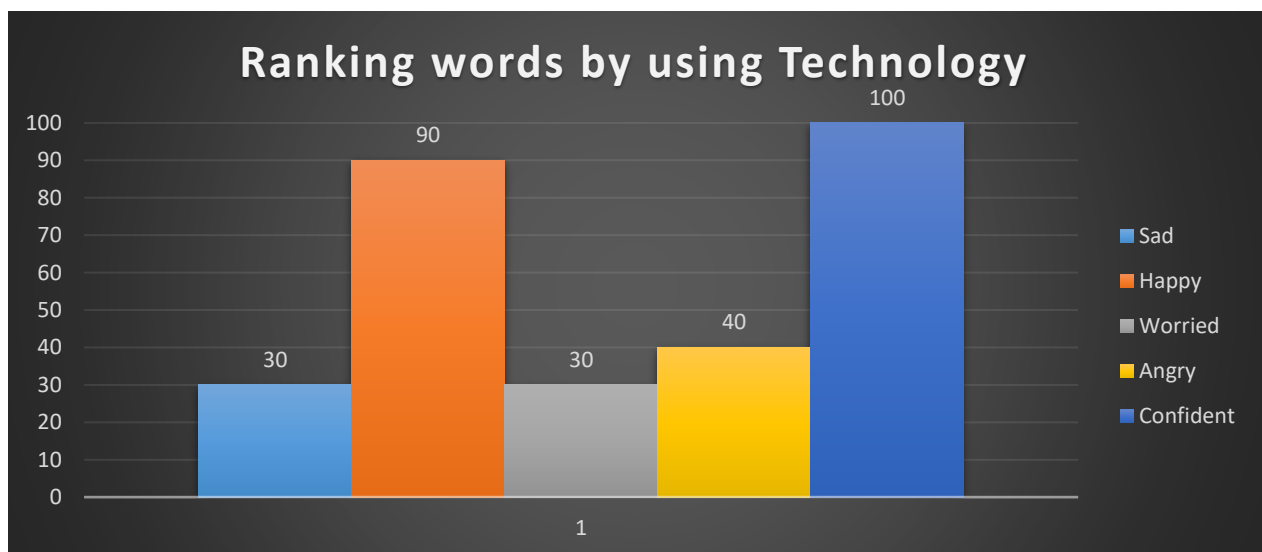
In this section we will be discussing about the results of the present research.

Graph 1



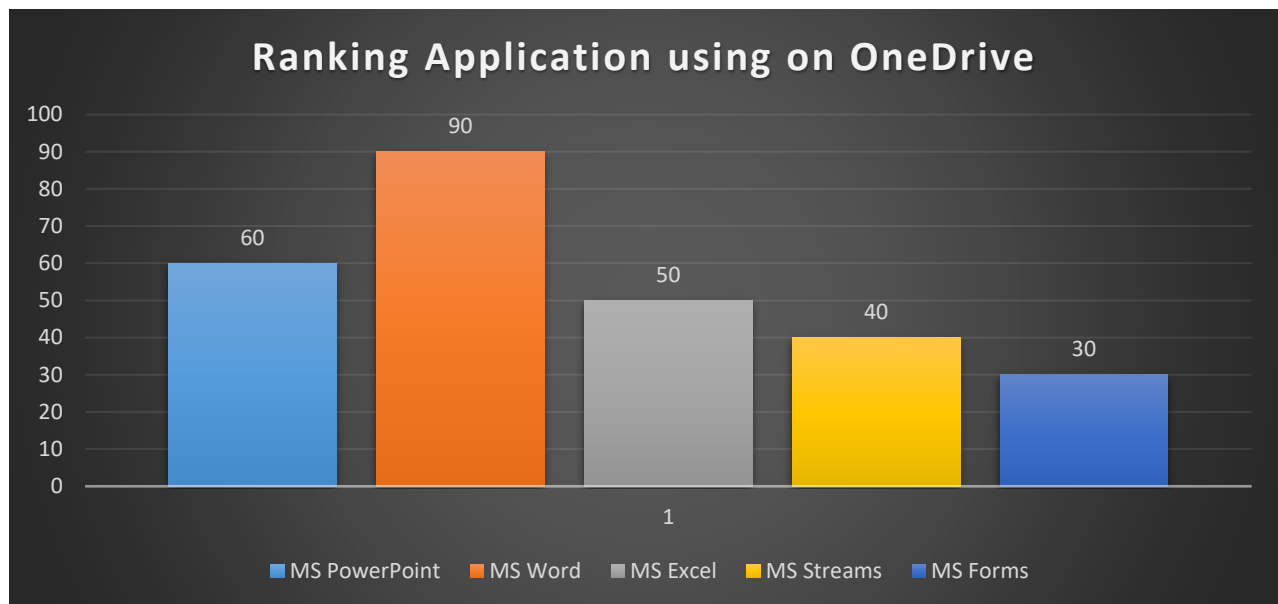
Graph 1 represents that most of the applicants has ranked WhatsApp Application the top most ranks in out of 100, the second top most ranks are of OneDrive and MS Teams are of at third position. Meantime, the Moodle and MS Word both has the lowest ranks in out of hundred. It clearly represents that, most of the applicants feels confident while using the WhatsApp and OneDrive.

Graph 2



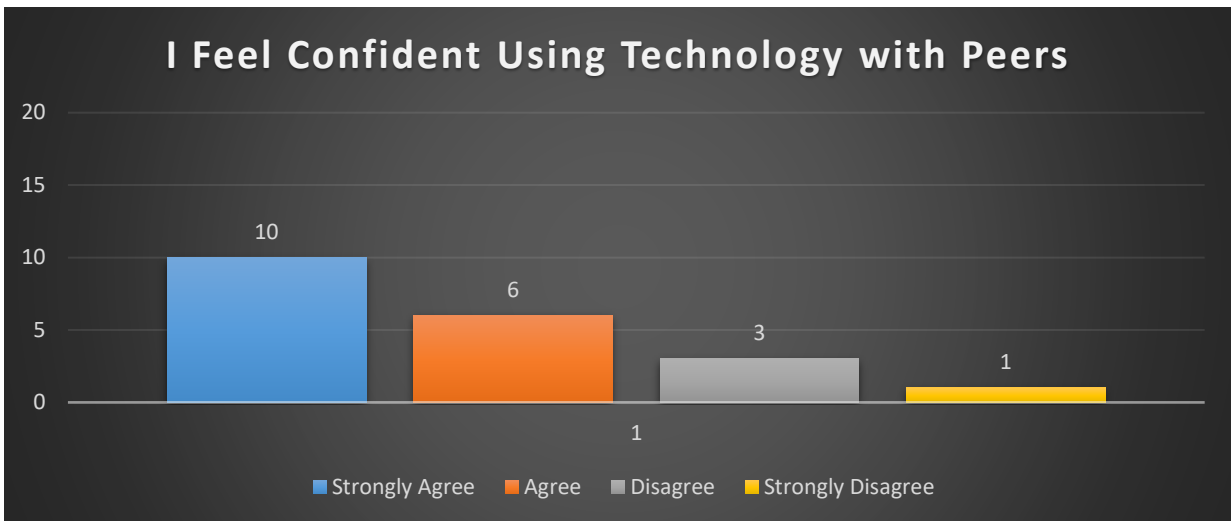
Graph 2 represents that most of the applicants has ranked the word Confident 100 ranks the top most ranks in out of 100, the second top most ranks are of the word Happy. However, the word Sad, Worried and Angry has the lowest ranks in out of hundred. It clearly represents that, most of the applicants feel confident and happy while using technology to collaborate with others.

Graph 3



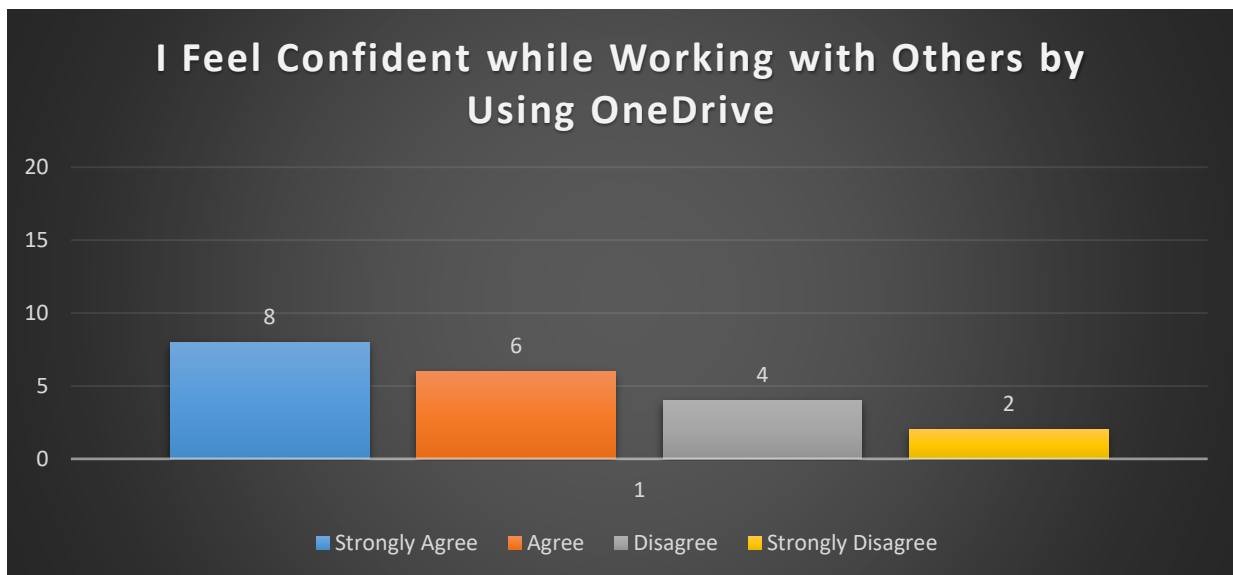
Graph 3 represents that most of the applicants are in favor of using MS word and MS PowerPoint applications on OneDrive as both has the top most 90 and 60 ranks in out of 100. Meantime, MS Excel has got the half ranks of the total and also, the MS Streams and MS Forms are not ranked good enough. However, it clearly represents that, most of the applicants feels confident while using the MS Word and MS PowerPoint on OneDrive.

Graph 4



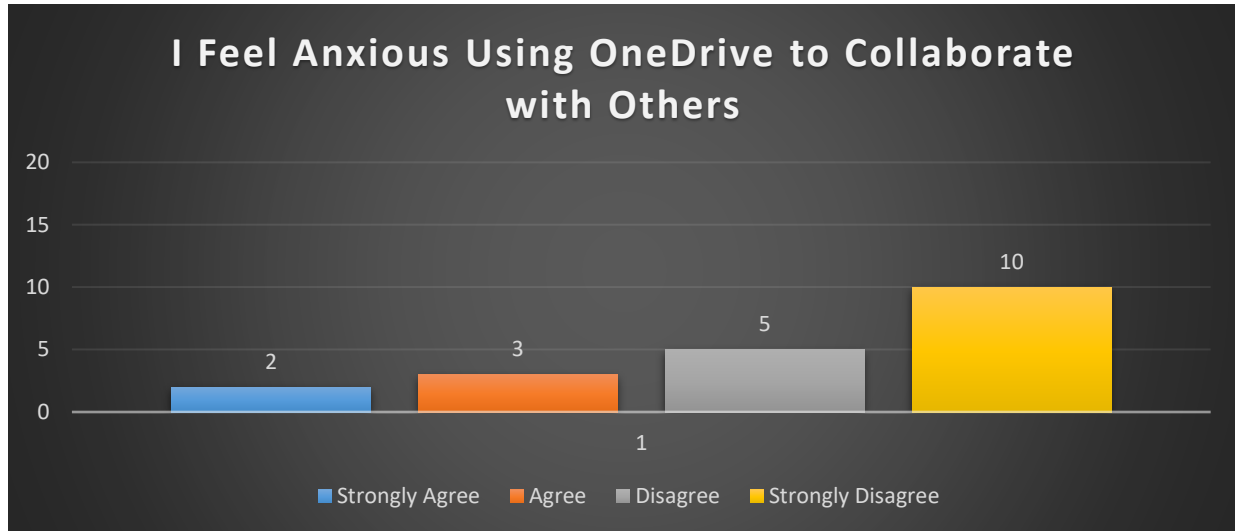
Graph 4 represents that, Ten of the Participants strongly agreed, six agreed, three disagreed, and one strongly disagreed with the question that "I feel confident using technology with peers." It is clear that the majority of people feel confident using technology with peers, and this should be taken into consideration when making decisions about technology use in the future.

Graph 5



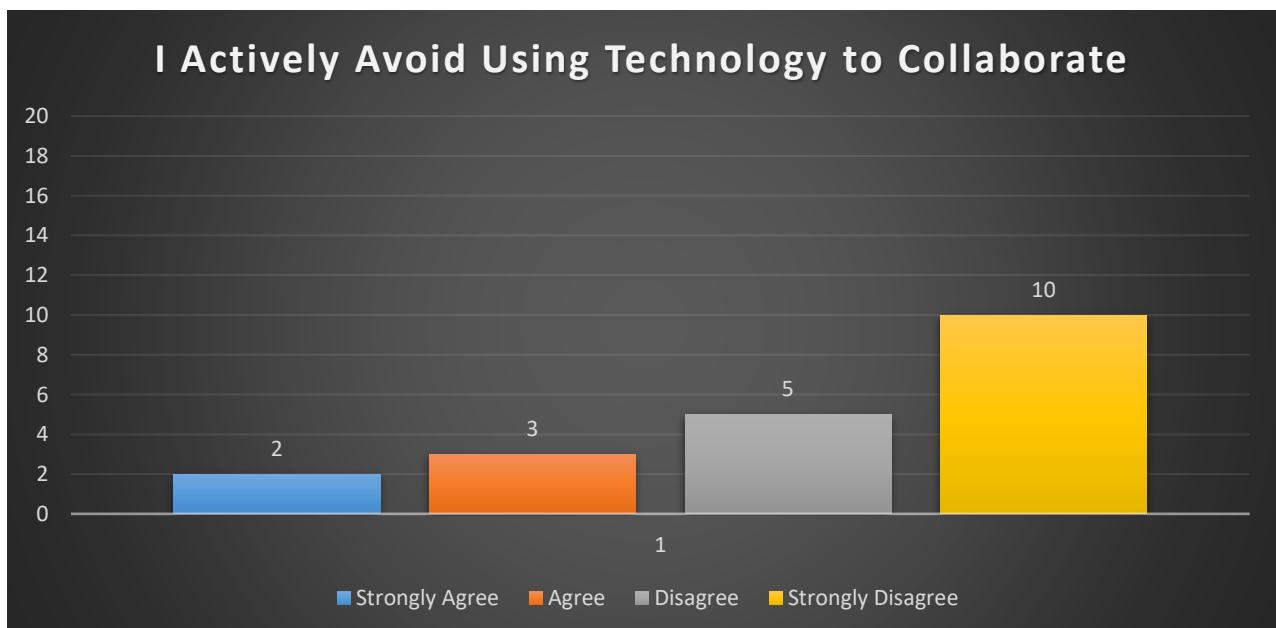
Graph 5 represents that, Eight of the Participants strongly agreed, six agreed, four disagreed, and two strongly disagreed with the question that "I am confident in completing tasks that involve working with others using the OneDrive". It is clear that the majority of people feel confident in completing their groups tasks by using technological applications on OneDrive.

Graph 6



Graph 6 represents that, Ten of the Participants strongly Disagreed, five Disagreed, three Agreed, and two strongly agreed with the question that " There are times when I feel anxious about using the OneDrive to collaborate with others". It is clear that the majority of the participants are not in favor of the statement.

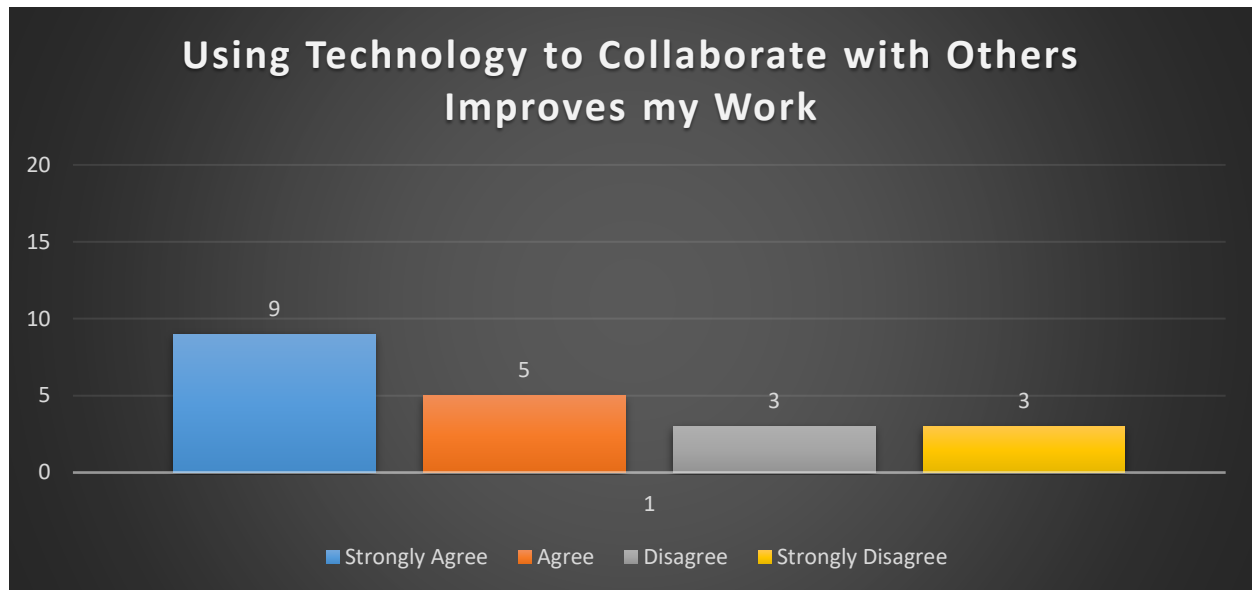
Graph 7



Graph 7 represents that, Ten of the Participants strongly Disagreed, five Disagreed, three Agreed, and two Strongly Agreed with the question that " I actively avoid using technology to collaborate".

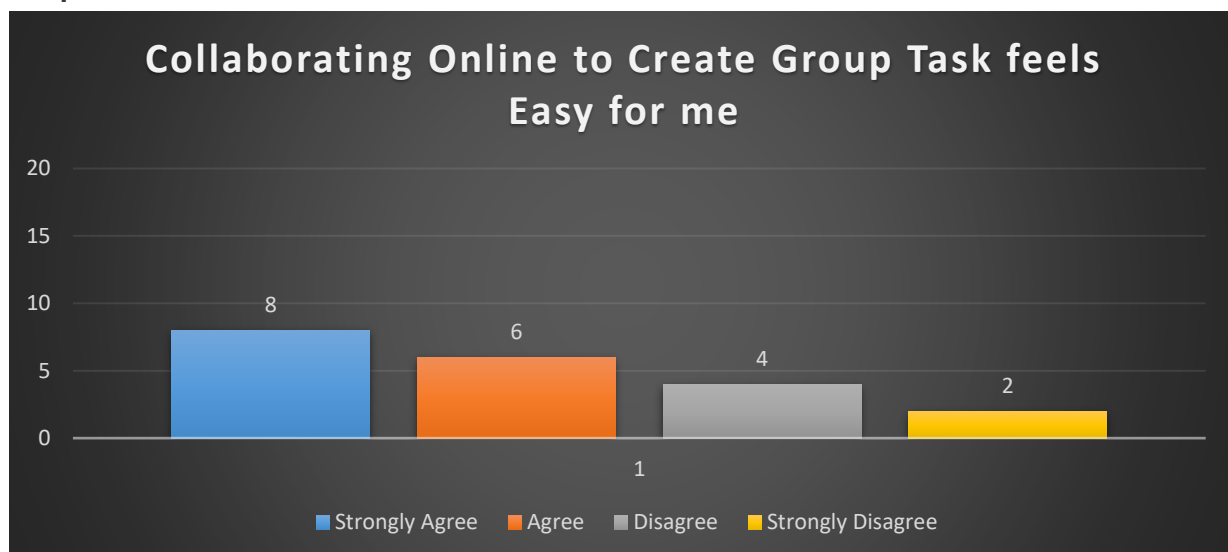
It is clear that the majority of the participants are not in favor of the statement. They are in favor of using technology to collaborate with their peers.

Graph 8



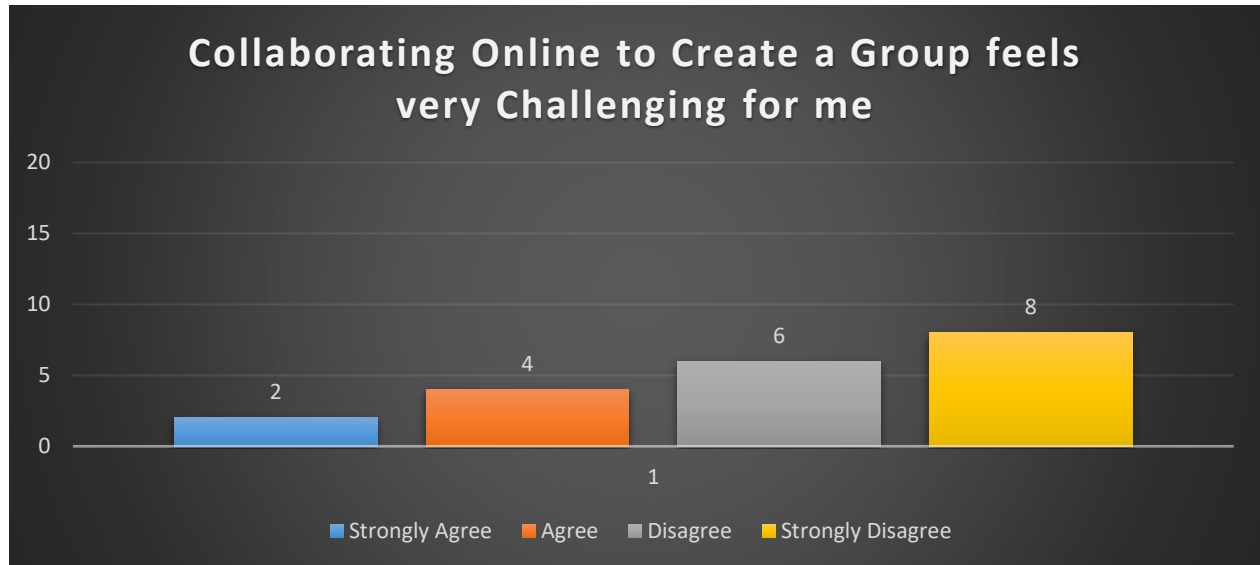
Graph 8 represents that, 9 of the Participants Strongly Agreed, 5 Agreed, 3 Disagreed, and 3 Strongly Agreed with the question that " Using technology to collaborate with others improves my work". It is clear that the majority of the participants are in favor of using technology in group collaboration task improves their work

Graph 9



Graph 9 represents that, 8 of the Participants Strongly Agreed, 6 Agreed, 4 Disagreed, and 2 Strongly Disagreed with the question that " Collaborating online to create a group task feels easy for me". It is clear that the majority of the participants are in favor of Creating group tasks for online collaboration as they feel it the easier way of collaboration and completion of different challenging tasks.

Graph 10



Graph 10 represents that, 8 of the Participants Strongly Disagreed, 6 Disagreed, 4 Agreed, and 2 Strongly Agreed with the question that " Collaborating online to create a group task feels very challenging for me". It is clear that the majority of the participants do not feel creating group for online collaboration very challenging.

4. Discussion

Despite the many advantages of using technology to facilitate collaboration in education, many students remain reluctant to use it. This may be due to a lack of confidence in their ability to use the tools, or a lack of understanding of how to effectively collaborate online (Li, 2005). There are a number of ways to overcome these barriers (Hasselbring, 1991). Providing students with clear instructions and models of how to use the technology can help them feel more confident. Additionally, giving them opportunities to practice collaborating online in a low-stakes environment can help them learn the ropes and build their skills. With a little support, students can learn to use technology to collaborate effectively with their peers. It just takes a little patience and practice. In no time, they'll be collaborating like pros (Hasselbring, 1991). Most importantly, they'll be better prepared for the increasingly digital world they live in. However, it can be difficult to know where to start and what technology to use. This research will help fill that need by providing an overview of the options available and offering some tips on how to get started and make the most of technology in education. It is clear that technology can help facilitate collaboration among students, but more research is needed to understand how to best use it in order to maximize its benefits. Most students will need some support in order to learn to use technology to collaborate effectively, but with a little patience and practice, they can be successful. In under developing countries this is a great way to help bring some sort of level playing field to education (Kumar, 2011). However, it is important that clear instructions and models are provided to students, so that they feel confident in using the technology. Additionally, opportunities to practice in a low-stakes environment should be given to students, in order to help them learn the ropes and build their skills (Slinkina, 2019). Most of the researchers in this area recommend a blended learning approach which would use technology to supplement in-person instruction, rather than replace it.

5. Conclusion

Overall, the students in the study were confident in using technology to collaborate. They felt that it was a valuable tool for communication and thought it helped them to stay connected with their classmates. They also felt that technology gave them a greater sense of control over their work and allowed them to be more independent in their learning. It is clear that technology is playing an increasingly important role in the education of today's students, and that they are confident in its ability to help them learn. using technological tools on OneDrive and WhatsApp for collaboration were found to be the most confident. In addition, those who were the most confident in their ability to use technology for collaboration were also the most likely to say that they would feel comfortable using technology for other tasks. This suggests that confidence in using

technology is linked to a willingness to use it for a variety of tasks. The overall results are in favor of using technology to collaborate in the group tasks. It helps in improving the employability and also in the real-world projects.

6. References

References

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7. Appendix

Rank Order questions – arrange words in rank order

Rank these applications in order of how confident you feel using them.

MS Teams
OneDrive
MS Word
WhatsApp
Moodle

Rank these words in order of according to how you feel about using technology to collaborate

Sad
Happy
Worried
Angry
Confident

Rank these applications according to how confident you feel using them on the

OneDrive
MS PowerPoint
MS Word
MS Excel
MS Streams
MS Forms

Likert Scale questions.

I feel confident using technology to collaborate with my peers.

Strongly Agree Agree Disagree Strongly Disagree.

(Circle one response)

I am confident in completing tasks that involve working with others using the

OneDrive
Strongly Agree Agree Disagree Strongly Disagree.

There are times when I feel anxious about using the OneDrive to collaborate with others.

Strongly Agree Agree Disagree Strongly Disagree.

(Circle one response)

I actively avoid using technology to collaborate.

Strongly Agree Agree Disagree Strongly Disagree.

(Circle one response)

Using technology to collaborate with others improves my work.

Strongly Agree Agree Disagree Strongly Disagree.

(Circle one response)

Collaborating online to create a group task feels easy for me.

Strongly Agree Agree Disagree Strongly Disagree.

(Circle one response)

Collaborating online to create a group task feels very challenging for me.

Strongly Agree Agree Disagree Strongly Disagree.

(Circle one response)

<https://forms.office.com/r/A6eXn2Lm7c>