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Implementing Cybersecurity Tools and Techniques in the Reduction of Cyberbullying

Research Proposal Transcript

# Transcript

Hello and welcome to my presentation for my research proposal of my research project implementing cyber security tools and techniques in the reduction of cyber bullying. Get right to the contact. So the content of the presentation we first start with the definition of symbolic. Pulling when we switch over to the significance of this topic, then I will present to you my research questions and the aims on the objective of my research project. Then be sure to go over the key literature in that field. I will explain my chosen methodology and limitations and then we move on to ethical considerations. And lastly I will show you timeline for all those activities. Let's start with the definition of cyberbullying. Well, there's no universal accepted definitions of cyber bullying because it's very dynamic. Yeah, and the Internet is very dynamic in nature. So, but there's some. Tries to define it. Cyber bullying always involves posture, behaviour, abusive communications like spreading false rumours, sharing, accumulating image or videos.

And generally, like harassing other people online. And summer volume can occur in any field and coworkers. Strangers online classmates, especially emperor, flying. Defied by the fact. That most people are anonymous online, and it can really affect. So this also brings us to the next point, which is the significance of that topic. There's a there are several studies which are highlighted the incidents and effects of severe bullying. Severe bullying is increasing online and especially teenagers and young adults have been targets of cyber-bullying. The effects of severing can be measured. English form or poor academic or work performance social. Isolation and anxiety, and in extreme cases, even self harm. Impact of celebrating its. Not only felt to the victims, but it goes beyond and felt by society. As a whole. And this really underlines the significance of the topic and. Especially how they can combat Cyber Bulletin. And because this is such a topical area, and it's very prevalent in our society. This led me to my research question, which is how can the effective implementation of cybersecurity words and techniques contribute to the reduction of survivability incidents and their impact on individuals, communities and society? That's the whole. So this is my overall research question. And now let's take a. Look at my names on and objectives from. This research project so my aim is to investigate the implementation of some security tools. And techniques in order the reduction of celebrating and this aim has several. Objectives first one is. To assess the current landscape. Of super boarding, getting big overview on how supervising affects individuals, communities, and society.

Then identify and evaluate existing cyber cyber security tools, techniques, and policy which I use in the prevention. Of summer bowling. And then I will examine the effectiveness of those. Tools and techniques in reducing cyber bullying incidents. Based on that, I will try to explore the attitudes and perceptions of individuals towards those two techniques and policies. Furthermore, I want to post recommendations for the implementation and improvement of cyber security strategies which can then be referred from the. Attitudes and perceptions. There are also some more objectives. Which come out by my research project. One Bay Point part is, of course, ethical consideration and potential risk associated with the implementations of cybersecurity. Tools and techniques.

Then I want to investigate more of education, better literacy programmes and policies promoting awareness and response and promoting responsible online behaviour to prevent cyber bullying from occurring. Next up is the wall of stakeholders, including educators, parents, policymakers, but also employers and supporting implementing measures, cybersecurity measures or policy measures to combat cyber bullying. And then if it's possible to access already the long term impact of implementing cyber security tools and techniques. On the reduction of. Incidents and the well-being of individual detectives, this is. Basically, to gauge effectiveness of those tools, techniques and policies. And finally, and also one of the most important objectives of my research project is to contribute to the existing body of knowledge cybersecurity and provide insight recommendations for future research and, of course, practise this will. Influence policymakers and stakeholders and steer them into action. To educate them, to use cyber bullying. Since Sarah putting is very. Topical area and the very widespread, there's a lot of literature, but I focus here on. For key aspects of the literature and the if you're short overview about my sources. So first up is the prevalence of cybersecurity education at the pedagogy levels in schools.

This highlights point of security education schools and really focus on the need for education awareness to combat cerebral. The next key lecture in my references is the effectiveness of safe serving intervention programme in reducing WhatsApp boarding and improving classroom climate and student sense of belonging in elementary school is also focused on students again, but. Also demonstrates the positive impact of implementing techniques and policies to reduce cyber bullying. So so literally I want to focus on is the published effect of digital leadership programmes on safe Internet use and cyber bullying prevention, which is similar to the second one. But here it indicates really the benefits of education awareness programme and. Policy making and techniques in order to prevent severe boarding. And the last one really focuses on more on cybersecurity tools is called the effects of cyber security measures, reducing cell linked incidents. There's a discussion of the efficiency of cyber security tools and content filtering monitoring systems and blocking. Systems and how they can help to. Reduce cyber bullying. Those four resources roughly cover most of my. Aims and objectives I have for this research proposal. And the next slide I will explain to you how I. Intent to achieve those goals and objectives with my methodology. So my my research designer want to adopt A mixed method approach. Quality and quantitative data for the data collection want to have relative data where you service and interviews and gather insights from individuals who have experienced cyber bulleting or are responsible to prevent cyber bully. And for the quantitative data, I want to collect data on several bullet incidents measures and the segments of cyber security towards such as monitoring and different blocking tools. By sample selections, try to have made their first target, including students, educator, parents. Professionals and policymakers. And other try to ensure a representative sample size so. All my collected data is representative of the whole population. This methodology has, of course, some limitations.

First of all, the sample bias. The the findings might be influenced by. The passage of selective sample, especially the. Sample size. So this has to be. Kept in mind. And of course, I think the topic as controversial as celebrating the self reporting bias might be. A big limitation to watch out for crossing reliance of self upon data related to cyber bolting might be biassed and has a lot of inaccuracy, and then of course I have the usual projects limitations like. Time, budget and scope. Which I have to keep in mind for this feature project but. I'm aware of. It and I'll try to work with my non limitations. Some of the important point is ethical considerations because silver bullet is a very sensitive topic. There's a lot of consideration to keep in mind, especially the participant confidentiality. When I collect the data, I have to ensure the privacy and anonymity of the participants data and identity. Also in the same area, so informed consent. So all participants and know about the purpose, the risk and benefits of the research. Then I have to take care of the data protection I have to safeguard the collected data in the secure storage and I have a after it here to data protection. Regulations. And then of course minimise harm, having ethical improvement and in the end to deception and debriefing to petitions and to ensure their well beings. This is a very important to keep in mind, especially with this topic of cyber bullying. So now I give you a rough outline of what I consider to do in my research and the Next up I will.

My timeline. OK, you can you can see my timeline of my proposed activities. I estimated that the days it would need to achieve those task to do those task. The literature do data collection, data analysis and of course the the report writing takes the most time with about 10 to 15 days. And then the preparation and position takes up off the rest of the days. It would be about 67 working days in total. This is of course an estimate, and it doesn't account for any external interference and new insights during that process.

So this was my presentation and my research proposal for my research project about implementing cyber security tools and techniques in the reduction of cyber bullying. I hope you enjoyed my presentation on the next slide. You can see my references I used in this presentation.

# References

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