

COMPUTER SCIENCE

MEANS TO DETECT HARMFUL FOR CHILDREN CONTENT AND MEASURES TO PREVENT ITS SPREAD

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Abstract. *In the article the issue of involving children through popular social networks in the so-called death games is discussed. We consider the main visual signs, by which it is possible to recognize the accounts of children who have suicidal tendencies. There are also ways to identify harmful content on the accounts of children. Practical recommendations are given that need to be implemented to take control of the current situation around the social life of children, reduce the number of deaths of children, as well as the readiness of educational organizations for the challenges of the information society.*

Keywords: *information, monitoring, open sources, social networks, suicide, death games.*

The current rapid development of Internet technology, and with it the forms of communication between people and their sources of information are constantly changing. It is difficult to imagine that modern young man will expect a few days to get a document in the state department of mail this document may be instantly got (transmitted, used) using the mobile app Viber, WhatsApp, Telegram or cloud be stored in Dropbox, Mega, Google, Mail and others.

Volume of communication through social networking Facebook, Вконтакте, Twitter, Instagram and the number of users is always growing. These phenomena are due to many factors, but one of them is something that grown up Generation Y (Millennial) - generation born after 1981, which met the new millennium at a young age and is characterized by deep involvement in digital technology. Many of them have learned to use the tablet earlier than read and write. It is easier for them to communicate with a virtual companion than a real person [1].

Moreover, the quality of teaching of the young generation in information awareness in higher education in Ukraine is constantly decreasing including the Communications reduction of academic hours of study disciplines Information Law, Information and telecommunication systems and others [2].

Now social networks have become an integral part of life at the beginning of the XXI century. But if an adult can mostly provide their security, children according to little experience and lack of knowledge are increasingly falling under its influence and become its victims.

So, philosopher S. Roganov said: "Black phenomenon" - suicide is called in such a way by Americans - has long been among the top ten causes of death in our world, and for 2020, experts predict that the number of suicides could reach 1 500 000 people a year " [3].

American journalist, writer and social researcher of social impact of new media on society C. Shirky notes that the new online tools allow people to meet each other and take collective action without prior time and labor costs by involving them in broad segments of the population [4]. Such actions often take place without taking (or partial acceptance) responsibility for their consequences [5].

There are many scientific works of domestic and foreign scholars on theoretical and practical psychology to distribute suicidal content on the World Wide Web, which mainly describes the ways of consciousness manipulation of users of social networks, types and causes of threats such information. Also the issue of finding information in open sources of information as a way to obtain timely information researched leading scientists, such as S. Albul, O. Bandurka, M. Vodko, M. Gribov, Y. Kondratiev, O. Korystin, D. Nykyforchuk and other scientists.

But today there is an urgent need for informing the public on the main features on which a person without IT-training can identify potential account a person who is prone to inappropriate behavior. Therefore, analyze and provide practical advice on finding and monitoring the World Wide Web is the aim of our research.

I do not have any doubt that the Internet is a space of almost uncontrollable by Ukrainian authorities, but we must pay attention to the trends to improve the situation over the past year in the face of the National Police Department of Cybersecurity of Ukraine, but efforts that are made really work, but the effect is clearly insufficient. Especially that now collecting and analyzing of information from public sources is one of the most effective modern tools for information [6, p. 111].

In order to talk about the detection of harmful content for children on the Internet we need to find out the scope of persons in relation to whom the search and monitoring will be carried out. Thus, the following range of individuals can be found:

- persons who are in family relationships or among close friends;
- persons of charges that he monitors;
- unfamiliar person.

Characterized by these groups of people that the person who will monitor the initial stage has a completely different level of information in the past, and therefore must use different approaches and methods, including the basics of criminal analysis [7].

We will not stop on the methods of information retrieval in the most popular search engines Google, Yandex and social networks Facebook, Вконтакте, Twitter, because for them there is enough information in the public domain, which is easy to read. And do not stop at common signs, which contain accounts of people who are prone to inappropriate behavior, and these are the records on the wall as a "No one understands me", "Soul is divided into parts," Let fly together, where no one will not find us we with you. " Or special music and photos (pictures): roofs, hinges, tablets, and other bloody wounds.

Visually current accounts of individuals who have suicidal thoughts have the records on the walls and are in the following groups: #япротивигры, #нехочувигру, #янекит, #ядельфин, #дельфиныпротивкитов, #дельфины_против_китов, #яневигре, #антикиты, #уничтожьигру, #противсуицида, #явнеигры, #дельфиныпротивкитов, «Киты плывут вверх», «Разбуди меня в 4.20», «f57», «f58», «Тихийдом», «Рина», «Няпока», «Море китов», «50 дней до моего...», «домкитов», «млечныйпуть», «150звезд», «ff33», «d28», «хочувигру». So we see a typical use of hashtag and group names.

It is necessary to consider placing on the photo account (pictures):

1. Heroes Chinese, Japanese cartoons;
2. Wide application anime;
3. Copying of the characters games (Dota, Dota 2 and others);
4. Animated photos (Fig. 1).



Fig. 1.

Also we would like to consider two online resources that are free to use and which only need to have an account in the social network Вконтакте. One <http://www.yasiv.com/vk> (Fig. 2) and the second <http://searchlikes.ru> (Fig. 3).

Consider resource <http://www.yasiv.com/vk>, which is a visualization of the relationships in the social network Вконтакте. By means of Admin Panel it is possible to add or cope required for monitoring people and change the color of links. The resource shows all interrelationships even hidden.

Resource <http://searchlikes.ru> helps in analyzing the accounts of persons for their actions, including:

- search among the likes of friends (photo)
- search among the likes of friends (wall);
- search comments on photos;
- search for comments in a particular group.

To solve these practical problems in the article should:

1. Add the functional responsibilities of monitoring harmful content on the Internet of school police officers on duty.
2. Create the monitoring of Internet-based science classrooms in every educational and institution group.

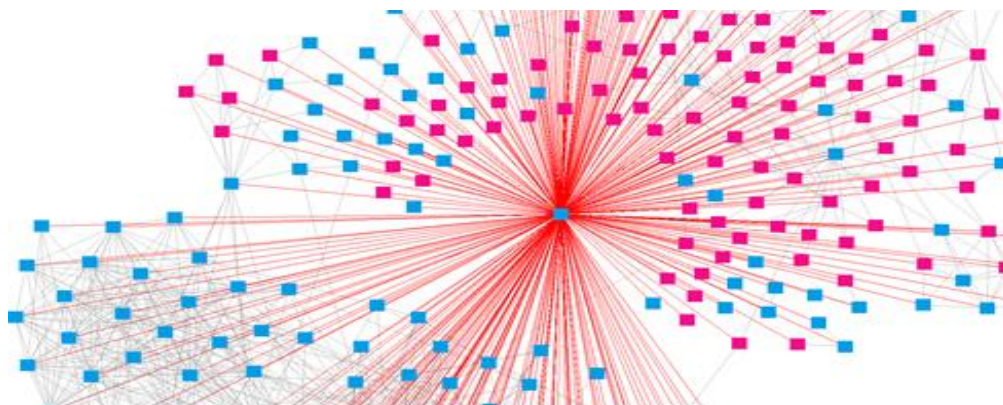


Fig. 2.



Fig. 3.

3. Establishment of higher education with the specific conditions of training centers for training of correctional, educational institutions, volunteer groups to identify harmful content on the Internet.
4. Increase the number of full-time employees in departments of cyber police.
5. Develop of a methodological framework to ensure effective response to the threats that have modern technology and establish cooperation cyber-police groups with teenagers.
6. Organize training of leading specialists in the regions of Ukraine to study the experience of other countries.

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