

«Сейфуллин окулары – 16: Жаңа формациядағы жастар ғылыми – Қазақстанның болашағы» атты халықаралық ғылыми-теориялық конференциясының материалдары = Материалы Международной научно-теоретической конференции «Сейфуллинские чтения – 16: Молодежная наука новой формации – будущее Казахстана. - 2020. - Т.II. - С. 297

THE ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN SOLVING THE GLOBAL PROBLEMS

Aitkazinova D.M

Information and communicating technologies make a huge impact on solving global problems. One of the most powerful platform – Google also does everything to make our world better. Google’s goal is to streamline all the information in the world and make it accessible to everyone. In 1995, Larry Page was about to enter the graduate program at Stanford University. The student who was supposed to show Larry University, was chosen Sergey Brin.

According to some reports, on the day they met, they disagreed on almost all issues, but a year later they began working on a joint project - the Backrub search engine. It was based on the idea that the importance of a separate web page is the higher, the more other pages link to it. Soon, the Backrub system was renamed to Google. This name is a reference to the number "googol" - a unit with a hundred zeros. It symbolizes the desire of the creators to organize all the information on the Internet and provide convenient access to it [1,2].

In just a couple of years, Google has attracted the attention of not only the scientific community, but also Silicon Valley investors. What does google do in fact?

In 2007, Google equipped the machines with many cameras and sent them to photograph landscape of cities and towns. A decade later, a scientist using Google Street View helps people with dementia remember events from their life. This is what Ann-Christine Herz, a specialist in biomechanical engineering, does. As one girl proved that any problem can be solved. Trying to find a way to solve the problem that arose in Flint, Michigan, Gitanjali thought that it was only necessary to clear the water of lead. “It was akin to trying to stop global warming with a single technology,” Gitanjali notes. “The task seemed impossible.” “I learned about a new technology that can detect harmful gases in the air using carbon nanotubes. I immediately got the idea that this technology can be used to detect lead in drinking water.” [3]

Gitanjali suggested that it is best to make test strips for testing water from a special material based on carbon nanotubes. The girl was excited about the thought that she had made a discovery that no one else had thought of before. But there was still a lot of work ahead, because for the implementation of the idea had to create a whole device. During a visit to the Denver Municipal Water Authority, Gitanjali met laboratory head Selena Hernandez Ruiz. The girl, who has university knowledge in the field of hydrology, made a great impression on Selena. “In terms of communication and scientific activities, Gitanjali behaves like an adult,” notes Selena. A little later, she helped the young researcher in testing the device, which

the girl named "Tethys". Google makes conditions to fresh viewers of internet to reify their genius ideas. Nowadays children are more aware of global problems than even some adults, they can learn more from the online courses and get the information easier. Information technologies help us keep in touch closer, be aware of, try to help each other, wherever we are.

References

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2.

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Scientific adviser: A. Sh. Kulmuratova