Михайлусь Денис Павлович
Київський національний університет
технологій та дизайну (м. Київ)
Науковий керівник – к. культ. Чернець М. О.

THE EFFECT OF WEB PROGRAMMING ON SCIENTIFIC INNOVATION

Web programming has a huge impact on scientific innovation, mostly good ones, but there are also some negative points. It should be noted that statistics show that the benefits of web programming for scientific innovation have become a significant achievement and, even, a breakthrough in the history of humanity.

Technology has evolved significantly since the 3rd Industrial Revolution, when production and creativity became much easier with the use of electronics and information technology to automate production.

After the fourth industrial revolution, which is known for the fusion of technologies that blur the boundaries between the digital, physical and biological spheres, the development of technology has accelerated significantly. The Fourth Industrial Revolution also opened up areas such as robotics, autonomous vehicles, artificial intelligence, the Internet of things, quantum computing, 3-D printing, nanotechnology, biotechnology and materials science.

This all increased the role of technology even more, especially Internet technology, for creators, scientists, technicians and people with innovative thinking.

So, what is Web Programming:

Web programming is about writing, markup and coding associated with web development, which includes content, client, network security and server scripts. As you know, the Web comes from the phrase World Wide Web, which is a distributed system that provides access to related documents located on various computers connected to the Internet.

Programming is the process of creating computer programs. A computer program is a bunch of numerous lines of special text. It is special because it is designed in such a way that the machine understands what actions must be performed. In other words, programming is the art of telling the computer what to do.

What is Scientific Innovation:

Science is a systematic approach to knowing something, finding the truth, coming up with new ideas and solving problems. Most follow a disciplined method. We say that something is scientific, if it is connected with science.

Innovation is the process of creating something new and unique that no one has created before. Innovation nowadays sometimes goes beyond implementation, but includes filtering ideas that differ from existing things.

The benefits that web programming gives to scientific innovation:

1. You can easily learn something new or clarify ambiguous data on the network:

Before the era of the Internet, it often happened that you needed some information to solve some projects at school, or to solve various innovative ideas at work, for example, but you simply could not find the information you need.

2. Networking, Collaboration, and Outsourcing:

The networking, in this case, does not apply to the technical part of computing, it is about finding contacts with interesting people with whom you will possibly collaborate in the future, as well as about expanding your horizons. There are so many sites on the net that can help you achieve your goal. You can share your ideas with someone who can help you improve your project, or even change it dramatically. And the more you have contacts with professionals in your industry, the more they can give you.

3. Artificial Intelligence:

Artificial intelligence is the property of intelligent systems to perform creative functions that are traditionally considered the prerogative of human. It’s also the

process of creating a system that can analyze the data received by the user, make decisions independently and display fairly accurate forecasts. Some programs that use artificial intelligence even allow you to simulate a conversation like with a real person and with the progress of technology, it becomes more difficult to find the difference.

Disadvantages that web programming gives to scientific innovation:

1. You may find unsecured information:

For example, on the Internet you can find information on how to make weapons, or find incriminating evidence on someone, then to use it for your own negative purposes. If this is not limited, it can have unpredictable consequences.

2. Difficulty of finding specific information:

On the other hand, finding information that is really useful to you can be a real torture, because sometimes it is impossible to accurately formulate your request, and instead of useful data you find only a pile of information that you do not need. It is very difficult to promote your innovative ideas on the Internet, as well, especially when it comes to mature people who are not as good on the Web as they are in their respective industries. So, their brilliant innovative ideas may not be noticed by anyone, and they may just die.

Conclusion:

Web programming has gained significant development and had an even greater impact on the world, which means that scientific innovations will still benefit from the Internet, because this is the main resource for finding information now. But progress never stands still and in the future it will receive even greater changes.

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