A Consideration on the Impact of Artificial Intelligence on Society

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The world has received a fundamental innovation since the days of the Internet and search engines; we are witnessing the arrival of artificial intelligence. At present, the topic of artificial intelligence is a highly resolved sphere in the scientific, educational and commercial spheres. The development of artificial intelligence is in many ways with an exponential growth tendency and regularly, every day, artificial intelligence systems are refined and improved. The areas of coverage for artificial intelligence are practically unlimited. In particular, areas that can be automated, from healthcare to education, can be made more efficient thanks to tools using artificial intelligence. We are currently witnessing the integration of artificial intelligence into our daily lives. At the same time, artificial intelligence systems are constantly being improved and range from simple to more advanced and intelligent. For both the scientific and practical spheres, it will be necessary to consider their impact on the whole of society, and the consequences and possibilities of the best possible methods of integration.

Simply put, artificial intelligence is a certain type of computer system that, after entering commands, can perform certain tasks that have been performed by humans for most of the time, such as speech recognition, visual perception, translation into a specific language, decision-making, text writing, etc. In connection with artificial intelligence, various algorithms are currently being experimented with, which include certain statistical models that are improved and innovated over time. The current state of artificial intelligence brings various connections between algorithms, neural networks, deep and machine learning. Another important division is the division into weak and strong artificial intelligence. Weak, narrow or specialised AI aims to perform specific and specialised tasks. Strong, which also carries the label 'general' artificial intelligence, can solve any given problem. It should be noted that general artificial intelligence is an ideal that has not yet been achieved, but there are predictions pointing towards it.

There are many possibilities of using artificial intelligence. It is currently used in medical devices for diagnosing diseases and defining specific personalised treatment plans, or in the overall process of education across multiple disciplines. At the same time, coverage is found in improving customer service, where there can be a communication process that has the potential to be automated in repetitive tasks. Thanks to this, costs in the given industry can be reduced. On the other hand, it is appropriate to think critically about the negatives that artificial intelligence can bring. The dreaded change is supposed to bring modification of jobs, where artificial intelligence can make work easier for many employees, since a significant part of the tasks can be processed through artificial intelligence. In the future, however, we can expect certain jobs to be replaced, and thus this may lead to economic inequality and social unrest. Another possibility is the creation of prejudice and discrimination, which can support the influence of opinion and the creation of hoaxes. Therefore, it is extremely important to design and program artificial intelligence systems in a related symbiosis with ethical aspects that will reflect transparency, accountability, impartiality and society as a whole. Another significant problem that arises is the creation and dissemination of false information and the overall development of automated systems that can support it. It is also important to note that machine learning is based on processing so-called big data in the form of extensive data packages, which may contain false information. It should also be noted that the algorithm that produces the resulting outputs may define false information or create non-existent

conclusions based on input and comparison. For this reason, it would be highly desirable to pay attention to the collective improvement of the algorithm by marking positive or negative feedback and ensuring high-quality data packages. Furthermore, it is a solution to replacing jobs, which can be resolved through education and training programs that prepare workers for specific jobs or retraining. In addition, artificial intelligence makes it possible to augment human skills by increasing productivity in various industries.

Artificial intelligence can automate repetitive tasks, which can allow people to better focus on more creative and complex work. Thus, it is a potentially fundamental element of innovation that has the potential to change various aspects of society. In doing so, it is important to ensure the ethical and responsible use of artificial intelligence, through investing in educational and training programs. It is also essential to create new legislation framework and consider the impact of artificial intelligence on society as a whole. By balancing the benefits and risks of artificial intelligence, we can ensure that it is used in a way that benefits everyone.