

Section 01. Innovations in Engineering

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Top Inventions in Engineering

The past few decades have shown big changes in the development of innovations that can affect employment, public policy as well as the daily life of an average person. Many people argue that new innovations could only make their lives easier, but despite these benefits others have raised a number of objections to refute this argument. Analyzing some top innovations of the last few years, both opinions of the problem will be discussed.

Firstly, the most important example would probably be the agricultural drones. The whole humanity depends on food and it is essential to maintain the development of technologies in this sphere. For instance, satellite imagery that was used before drones could not give a clear perspective of the field's condition to farmers who wanted to expose the issues with soil variation, irrigation treatment and distressed plants. The drones with cameras enable the farmers to fight the above stated problems at much a lower prize whereas crop imagining with a manned craft would cost them much more money. These approaches allow farmers to reap greater benefits and save their money. Secondly, a lot of people nowadays are struggling with mental disorders. So, could the genome editing be helpful in solving this problem? A new method known as CRISPR helps scientists in many ways from modifying the fertilized eggs to making some genetic mutations in DNA. When one has the ability to alter DNA at specific locations on chromosomes, it makes it easier to study diseases and find out what genetic mutations actually cause the disorders. This is something that is already possible. At the same time, let us remember futurists who are thinking about changing the traits of the person such as height, intelligence etc. Of course, we could prevent people from some common chronic illnesses, but when equity and justice are taken into account, then questions like “Who would have access to this kind of human germline engineering?” may arise. So, the advantages of gene therapy may only be available to the rich. Height, intelligence, health would be the new attributes for the wealthy people. Thus, it makes it evident why both opinions have a solid support.

To sum up, all these innovations show how rapidly the world changes and in the upcoming years there are more advances to come. It is important to support the scientists with their projects and sponsor their research. By using drones, harvesting gets easier, and with a genome editing, it could be possible to prevent a lot of diseases whereas 3D printing can help us stay healthy and live longer. Everyone should have the right to benefit from nowadays technologies and the technologies should be used to make people's lives easier and not to harm them.