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How has Bioengineering become one of the most-wanted future jobs?

As our world changes continuously, new specialties and science branches appear. In this research paper, the researcher tried to introduce Bioengineering as one new engineering branch which is most wanted for future needs. Through the entire study, the researcher answered the following research questions:

What is Bioengineering?

Why is it important?

What are its work fields?

Why is it important as a future need?

The researcher used multiple primary sources in addition to conducting a personal survey to measure the level of knowledge about bioengineering of the youth in the local community.

Bioengineering can be defined as “a discipline that applies engineering principles of design and analysis to biological systems and biomedical technologies.” (Berkeley.edu, 2020)

Which indicates the incorporation of two majors in one considering the application of the principles of engineering in other fields related to biology and biomedical fields.

It was found that the bioengineer can work in several fields that such as; the artificial limbs and help with the body problems or the defective working organs. That is why it is considered as positive major interaction between engineering and life sciences and that is the reason it is very important in nowadays.

As our world is developing and improving every day, many inventions appear and prove that the role of science is increasing for the welfare of humanity. This is the reason that bioengineering is one of the most wanted fields for the future considering its role in helping people and making their lives easier.

The researcher found that 80% of the responses reflect the unextending knowledge of the term bioengineering in the minds of the youth. About 90% expressed their need to know more about it. About 45% could relate bioengineering to engineering and biology. Figure 1 shows the estimates of the survey conduct on the youth of an age group of 16-22 in Cairo, Egypt.

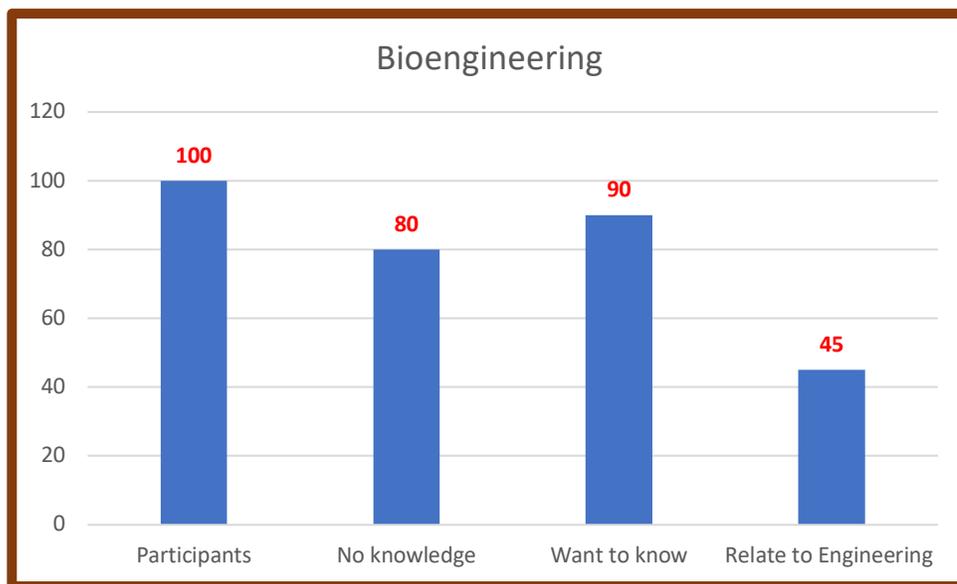


Figure 1: Exploring opinions of youth aged 16-22 in Cairo, Egypt.

Conclusion

The researcher has concluded that Bioengineering is one of the promising new fields of science and technology. It was proven to be one of the future most-wanted jobs. The study showed that people need to know more about that new field as the current changes and developments require new methods of running our life.

Works Cited

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