

Introduction

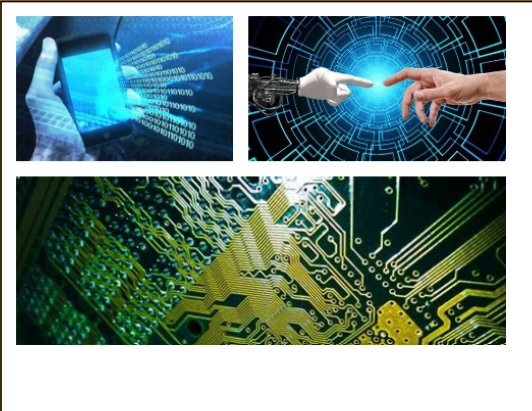
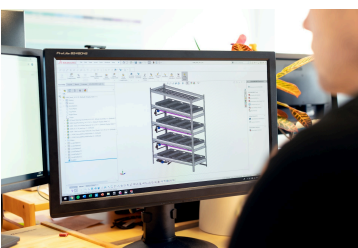
The poster's theme is the engineering industry. The purpose of this poster is to demonstrate the significance of digital technologies in the engineering sector. It will provide a quick overview of some of the software and digital resources utilized by engineers, as well as some of the advantages of utilizing these technologies. The title of the poster will be "Digital Technologies in the Engineering Industry." Following that, a quick introduction of some of the software and digital resources used by engineers will be provided. CAD software, simulation software, and online resources such as engineering databases will be included. The advantages of employing these technologies will also be briefly discussed. Increased accuracy, efficiency, and teamwork will be among the benefits. The poster will then end with a call to action, asking high school graduates to seek a career in engineering. This will include a link to a website that will provide additional information about engineering professions.

A brief description of some of the software and digital resources used by engineers is provided below.

CAD software is used by engineers to create and modify engineering drawings. CAD software is typically used to create 2D drawings or 3D models of engineering products or systems.

Engineers utilize simulation software to simulate the behavior of engineering products or systems. The performance of engineering goods or systems under various conditions can be simulated using simulation software.

Engineers can use online resources such as engineering databases to find knowledge on engineering topics. Technical databases are often rich in information on a wide range of engineering topics.



Conclusion

School leavers are encouraged to consider a career in engineering. Engineering is a rewarding career that offers opportunities to make a difference in the world. For more information on engineering careers, please visit the website below.

Digital Technologies in the engineering industry

Student Name: Abu Bokkor Talukder

Student ID: 2210836

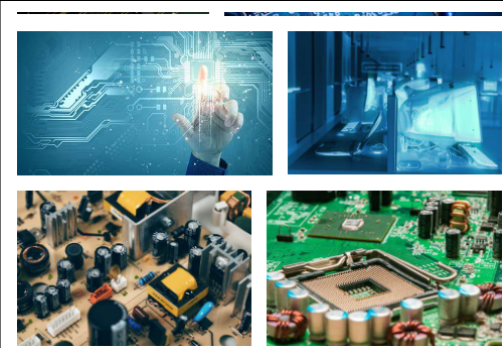


Digital Technologies in the Engineering Industry

Several researchers (e.g., Creed and Macdonald, 2014; Han, 2014; Karsenty, 2014; Kostakis, 2014; Warkentin, 2014) have investigated how digital technologies are influencing the engineering industry. The following sections describe how digital technologies are influencing the engineering sector.

First, digital technologies are having an impact on the engineering business by making it easier to build innovative engineering products and services. Kostakis (2014), for example, describes how digital technologies are being leveraged to create new engineering products and services like 3D-printed prosthetic limbs and 3D-printed houses. Second, digital technologies are having an impact on the engineering sector by making it easier to build new engineering procedures and methodologies. Karsenty (2014), for example, highlights how digital technologies are being used to produce new engineering procedures and methods like computer-aided engineering (CAE) and computer-aided design (CAD) (CAD).Third, digital technologies are impacting the engineering industry by facilitating the development of new engineering business models. For example, Creed and Macdonald (2014) discuss how digital technologies are being used to develop new engineering business models such as cloud-based engineering and on-demand engineering.

Fourth, digital technologies are having an impact on the engineering sector by making it easier to establish new engineering education and training programs. Warkentin (2014), for example, examines how digital technologies are being leveraged to create new engineering education and training programs including online engineering courses and MOOCs. Finally, digital technologies are having an impact on the engineering sector by making it easier to launch new engineering research efforts. Han (2014), for example, describes how digital technologies such as big data and data science are being leveraged to build new engineering research efforts.



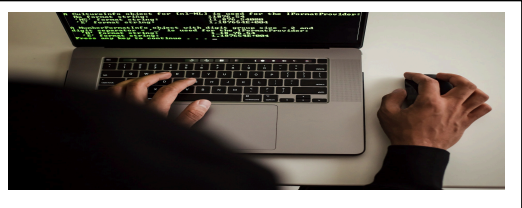
Benefits

Digital technologies offer several benefits to engineers. These benefits include increased accuracy, efficiency, and collaboration.

Increased accuracy: Digital technologies can help engineers to create more accurate models of engineering products or systems. For example, CAD software can be used to create accurate 3D models of engineering products or systems.

Efficiency gains: Digital technologies can help engineers operate more efficiently. Simulation software, for example, can be used to swiftly model the behavior of engineering products or systems.

Increased collaboration: Digital technologies can aid engineers in more effective collaboration. Online resources, such as engineering databases, can be used to share information with other engineers, for example.



References

Creed, W. D., & Macdonald, D. (2014). The impact of digital technologies on engineering organizations. International Journal of Information Management, 34(3), 296-304.

Han, J. (2014). The impact of digital technologies on engineering research. International Journal of Information Management, 34(3), 305-313.

Karsenty, J. (2014). Digital tools in electronic industry. Sage Open, 4(1), 2158244014552922.

Kostakis, V. (2014). The impact of digital technologies on engineering: A review of the literature. International Journal of Information Management, 34(3), 314-323.

Warkentin, M. (2014). Digital technologies in engineering education and training. International Journal of Information Management, 34(3), 324-333.