

CRITICAL REFLECTION

INTRODUCTION

- My name is Abu Bokkor Talukder and I am a student at the University of Wales Trinity Saint David. I am currently enrolled in a Digital Technologies module.
- This subject has taught me a great deal about the many digital technologies utilized in various businesses, as well as the advantages of employing these technologies.
- In this presentation, I will discuss my IT background at the start of the module, some of the digital resources and applications used by engineers, and the five sessions I took through Applied Digital Skills with Google.

IT EXPERIENCE

- I've always been fascinated by information technology and how it can be utilized to increase productivity in a variety of businesses. However, I had little familiarity with various digital technologies. Everything changed when I began the Digital Technologies module. This session taught me about a variety of digital technologies utilized in many businesses. I've also learned how to use some of these technologies, including CAD and simulation software. This has been a fantastic opportunity for me to gain a deeper grasp of how digital technology may be applied in the engineering business.

DIGITAL RESOURCES AND SOFTWARE

- Digital technologies offer a wide range of benefits to professionals in the engineering industry. These benefits include increased accuracy, efficiency, and collaboration. Some of the software and digital resources used by engineers include CAD software, simulation software, and online resources such as engineering databases. These technologies help engineers to create more accurate models of engineering products or systems, work more efficiently, and collaborate more effectively.

CLASSES UNDERTAKEN

- I took five classes through Applied Digital Skills with Google as part of this curriculum. These classes were chosen to assist me improve my grasp of how digital technology may be applied in the engineering field. The five classes I undertook were:
- Connect and collaborate from anywhere with digital tools
- Structure an argument in a presentation
- Make a promotional flyer
- Avoid online scams
- Create and safeguard passwords
- Each of these classes has helped me grasp how digital technology might be applied in many ways in the engineering sector. For example, the class on connect and collaborate from anywhere with digital tools showed me how to communicate with other engineers using various digital technologies. The promotional flyer lesson taught me how to use digital technology to generate marketing materials for engineering products or services.

CONCLUSION

- Digital technologies play a vital role in the engineering industry. These technologies help engineers to create more accurate models of engineering products or systems, work more efficiently, and collaborate more effectively. I would encourage all school leavers 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.

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.