Dr. Veronica Paz, CPA, CITP, CFF, CGMA

www.drvpaz.com

veronica@veronicapazcpa.com

724-590-9164

Technology Explorer

This case is designed to familiarize you with a variety of emerging data and technology topics and their importance to accounting.

More specifically, this case will help you learn about **emerging technologies** that are becoming influential in the accounting profession and may have significant implications for the future practice of accounting.

This is Part 1 of a 2 part case. The second part will be in the Data Analytics module.

Required

For this case, you will research an emerging data and technology topic. You then will share what you have learned in a class presentation via a video recording, either a PPT with voice over or you may use Prezi or other presentation software you are familiar with. and in a written report.

► **Presentation:** You will make a presentation to the class via a video recording. The presentation should be about 7 to 10 minutes. The purpose of the presentation is to

– teach the class about your assigned topic and

– help them understand how it is used, or how it could be used, in the business world in general and, in particular, in accounting.

► After your presentation, your classmates should have a basic understanding of the topic so that if someone mentioned the topic on the job or in a job interview, your classmates would know what they are talking about.

► Your presentation should be fun and interesting, but, most importantly, informative. You are free to use any presentation medium you prefer.

Topics

Topics are on a first come first serve basis. Email your professor for approval of your topic and awair their response. We would like to cover as many topics as possible to avoid duplication and learn as many new and emerging technologies as possible.

You may select from the following topics:

- American Institute of Certified Public Accountants data standards
- Artificial intelligence (software of robots)
- Augmented reality and virtual reality
- Big data ethics (including data privacy)
- Big data storage (e.g., data lakes)
- Blockchain (internet of value) and cryptocurrencies (bitcoin)
- Cloud computing, including infrastructure as a service (IAAS), software as a service (SAAS) and platform as a service (PAAS)
- Cognitive computing
- Continuous auditing and monitoring
- Cybersecurity
- Dark data and dark analytics
- Drones
- Internet of Things (IOT), Internet of People and sensors
- Machine learning
- Natural language generation
- Natural language processing, natural language generation, text analytics and sentiment analysis, chat apps (conversational bots and virtual agents)
- Neural networks, deep neural networks and deep learning
- Robotic process automation (RPA), automation, and man and machine
- Speech recognition

If there is another emerging technology that you believe would be appropriate, please let me know.

Adopted from EY ARC Tech Explorer Case.

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