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Lesson 1: Spotting the IT Trend

As listed in the [Forbes article](#), one of the technological advances that has been on my radar specifically is the development of artificial intelligence, or as the article states, “Advanced Learning Machines.” This is the concept that machines can be programmed to understand the environment, and to learn new things. The GI Chat bot is an example of this, as it is constantly taking in new information making it able to answer questions the user poses. I could see how this could decrease original ideas in education, because the GI Chat Bot can write original papers on any topic. This has already caused universities to change the way they approach the essays they assign, as stated in an article by [The New York Times](#). From a business perspective, I could see how this could decrease enrollment, as prospective students might not see as much of a need to get an education. As I think further about how it could affect the world, it makes me think that education will be less necessary, because the Chat bot can answer questions quicker, with less effort, and in more detail than even a simple internet search. This raises the question of whether or not “bots” or artificial intelligence will be more useful to businesses than actual humans, because they contain more information than what people learn in school. Eventually, bots could be able to do jobs that seem impossible for something inhuman to do, but with the technology available it is not a far-fetched idea. This would lead to a decrease in jobs, making it harder for people to make a steady income.

Another development that will effect business is 3D printing. The most interesting one to me was the mentioned idea of being able to 3D print body parts. If successful, hospitals would have access to brand-new technology, and less people would die because they would have access to organs they need. Millions of people die from organ failure every year, even if they are on a donor list, because there is not enough supply for them. This could increase patient surgeries, making the hospitals profit.

Finally, I think a very prevalent issue that will arise in industries is what the article mentions about “Adaptive Security Architecture.” With the advancement of technology comes an increase in accessible information which is a high security risk. Businesses will have to be more intent on keeping confidential information safe, because an increase in hackers could lead to a decrease in further development of products and decrease in productivity.

Without trying to sound too fearful of the future, I do have concerns when it comes to the development of technology and how it could effect the following decade. I think we will see a significant decrease in jobs, which will negatively impact the economy. There may be higher productivity in businesses due to artificial intelligence, however, there are many new risks that will be put in place. There is hope for the future as well, as mentioned before, because if we are able to use 3D printed body parts in at-risk patients, and it be safe for them, that would cause a lot of saved lives. Overall, the future is so unprecedented, as technology is advancing every day to create a more artificially intelligent world.