

BUS/ITS 341: Management Information Systems (OA)

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### **Lesson 1 - Spotting the IT Trend**

Future events will heavily depend on the digital network, smart machines, and the new IT reality and so humans have to be prepared for it.

3D printing materials are the first trend that I believe might have an impact on how we do business in the future. Although the end-user adoption of 3D printing has lagged behind expectations, the industry has welcomed this concept as a quick and easy way to launch new goods. According to research, 3D printers will be used to create at least 5% of goods by the year 2030. The price of this innovation is decreasing yearly while its application opportunities are only expanding.

Currently, one of the most appealing industries for major manufacturers is the medical industry. Recent years have seen substantial progress in this sector. I find it fascinating that by 2024, it might be possible to create organs using specialized 3D printers; this may completely alter the way we live. Within the next six years, it's anticipated that we'll be able to print bones and even organs like the liver and this is why I think this technology is going to be super important in the future.

Advanced machine learning is the second trend that caught my attention the most. By enabling systems to learn as they go without extra programming, this branch of computer science aims to increase computing capability. Machine learning is crucial because it helps businesses see connections in consumer behavior and operational behavior while also fostering the creation of new products. A significant portion of the

operations of many of today's top businesses, like Netflix and Google, revolve around machine learning. I'm most enthusiastic about the potential for growth and learning in this process, which is why I believe it will be so crucial in the future. The majority of algorithms are built to work better as they process more data.

For instance, recommendation engines are made to suggest items to consumers based on what they are most likely to find interesting. According to Forbes, "75% of Netflix users choose movies/shows that are recommended to them by the company's machine learning algorithms." This proves how influential people are and how important this technology is and will continue to grow more and more.

Last but not least, the third trend that caught my attention was Information Everything. This is a brand-new technological trend at a time when businesses, consumers, and technology are all becoming more interconnected. Information of Everything has the power to completely alter how people perceive the world and how companies engage with their clients. One instrument or network's data collection is accessible to and affects all others. Everything from our microwave to our phone has the ability to learn about our interests and predict our behaviors through the data it gives, turning life into a user engagement.

This is the reason why I believe it will have a significant impact on how we conduct business in the future. People prefer modern products more and more, as seen by the popularity of Alexa and Siri on iPhones. We only need to utilize our voice for them to be able to link many different devices.

The majority of the fundamentals that will shape the world in the coming ten years already exist, notwithstanding the possibility of shocks and emerging technologies that

might become significant in the coming years. Technology will provide a higher standard of living through liberalizing access to markets and enhancing global food, health, and education systems. Jobs may disappear, but I believe this is inevitable given the development of technology, and people will adjust to it.