

Team 2 – Influence of Artificial Intelligence on Jobs - Executive Summary

For a revolution to take place in education, changes will have to occur that will disrupt the existing technology. According to Prof. Clayton Christensen the key to revolutionizing the classroom is not just by adding technology, but rather by the ways that technologies are introduced. They also emphasized on the fact that future schools must be student centric. Because of difference in students' intelligences and competencies, the way of learning is not the same. To serve all students effectively, learning should be both personalized and customized. Under the current system, customizing education is expensive. This has made the education shift more towards computer-based learning.

This project primarily focuses on how innovation and new technologies has disrupted the occupation in education over the past few decades. Finally, the various types of technological development in the education sector will be covered in the topic. In addition, the pros and cons of the university-based education and online-learning will be discussed.

A look at the past distance education provided a reference point to how online education started from 1840 by Isaac to now. Studying the current distance education provided insights on the current state of online education by providing stats for enrollment and employment. Furthermore, the potential market section used current data to project how big the potential market is for online education with 1.4 billion potential students and the pace of the growth. As for the potential technologies, technologies such as virtual reality, learning analytics and cloud computing were discussed.

Based on the online content we came across, we were able to classify those content into four categories: Online Libraries, Pre-recorded Videos, Online Live Training, and Online

Universities. We will be discussing the pros and cons of each of these methods, compare them to existing methods, and explain why a user might prefer one method over the other. Moreover, we will be discussing the History and Philosophy of engineer, an online course offered at the University of Toronto, and we will be mentioning a few ways this course can be improved in order to compete with existing online training.

A survey was also conducted as a part of our analyses to study the difference in mindset of various generation. The report focused on the negative consequences of innovation in education providing a rough estimate on job losses. In addition, the project focused on how the elite universities would be disrupted in the future.