***TEDx Talk: Individual Contribution***

**The Danger of AI and Intelligence Explosion**

There are great feats and accomplishments being made in the world of Robotics and AI. The kind of technology being developed is absolutely remarkable. However the only reason we have this amazing technology is because we are improving existing technologies. If we want to continue improving our machines and devices the development, improvement and enhancement of their intelligence is almost inevitable. There is now a possibility to produce and create machines with superhuman-level intelligence. This idea may sound farfetched but it is not just an assumption, it can be supported by Moore’s Law. Moore’s Law states ***“the observation that the number of transistors in a dense integrated circuit doubles approximately every two years”***. Many technologists describe this situation using this simple analogy, 30 steps for humans is linear, we take it one step at a time, however for a machine, according to Moore’s Law, 30 human steps would be over a billion steps. This exponential growth in Intelligence is also known as Intelligence Explosion. Intelligence Explosion has the capability of turning an AI machine into a volatile system *(Daniel Dewey...TED Talk)*. For example how would we be able to understand or control a machine with Einstein’s intelligence multiplied by 10? These machines will be able to improve their software and create more machines that will improve their own software. They will have the capability of enhancing themselves and improving themselves without human help. A well-known example of this is the incident of an AI machine winning the ancient Chinese game ‘GO’. This shocked many showing that machines have the ability to learn on their own. This system learned and improved from experience. AI is one of the only things that we have created that functions in a way we cannot predict. The truth is that electric circuits function a million times faster than bio-chemical ones. They will ultimately be able to think faster than humans and they will be able to run for a week and do 20,000 times the amount of work a human will do with the same amount of time. There is now the risk of human beings becoming incompetent and useless. So quite frankly we should be worried.

**My Contribution**

As Team leader it was my responsibility to assign different tasks to the members  
of my team. I had to keep everyone informed on deadlines and other important  
pieces of information needed for the assignment. I had to book rooms for our  
meetings, where we discussed the presentation. It was my responsibility to  
ensure that everyone was doing their assigned task. As well as my responsibility as team leader I conducted research on AI and Cybernetics. I watched multiple videos, presentations and read different articles around these topics. I then made a summary of my findings and reported back to my team. As I was also on the presentation  
team. It was my job to create the PowerPoint presentation along with another member of my team. I was involved in arranging the slides and writing a script for the presentation. I had to create a folder on google drive to store all the materials that we used in the presentation and ensure that everything was submitted on time.