

Assignment of Social and Professional Issues in Computing

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Section : P

- 1. Many people fear that the development of intelligent robots could have devastating consequences for the human race. Is it ethical to do research in AI?**

In many situations artificial robots could be better than humans. Artificial robots can increase productivity, efficiency, quality and consistency of products. Because robots don't get bored, they can work very accurately and then can do the same work again and again. Artificial robots can work in very difficult environments which are unsafe for humans. Artificial robots don't have the same environmental requirements as humans do. Artificial robots are more capable than humans. Life is one big deadline. And robotic efficiency and effectiveness mean you're more likely to meet it. Again, there are no mistakes and never-ending work. That all helps to save time at every turn. Imagine playing Operation. No matter how hard you try, how steady-handed you think you are, you inevitably end up shaking like a leaf in a gale. Even the best surgeons in the world aren't faultless. Robots are being put to good work in the operating theatre to help. They hold things in place, light things up, enter different orifices, and more. Oh, and the lack of mistakes they make comes in handy here too. People recover quicker from surgery and suffer less too.

Firstly, artificial robots can create economic problems if they replace human jobs. And secondly robots only do what they are commanded by humans. Machines can easily lead to destruction if the implementation of machines is put in the wrong hands the results are hazardous for human beings. Artificial Robots need oodles of electricity to run. That makes them expensive to run (more on this later) and potentially damaging to the environment. Human interaction will suffer as robots become an increasing part of life. Already, the rise of mobile phones has started this slippery slope. Just look around you in any public space and you see a mass of people staring at their screens. We're more connected via the internet than ever before, but more isolated, lonely, and depressed too. We risk forgetting what it means to have an actual, real-life, human interaction. There's every reason to believe that this is going to worsen as robots get an ever-greater role to play in daily life. Robots open the door to a range of cybersecurity problems too. Even today, the rise of computers leaves many organisations and individuals open to attack. Hacks, ransomware, and identity theft are all potential hazards.

Now, fast forward a few decades to a time when robots are an everyday part of life. They might be helping out around the house, caring for peoples' wellbeing, and running any number of key tasks. Imagine if somebody hacked their system and programmed them to 'misbehave'. The potential repercussions could be extreme.

Finally, I want to say that everything has its positive and negative side. So if we used artificial robots positively then it's not harmful otherwise artificial robots could have devastating consequences for the human

2. Suppose you are a Businessman. And you own a company with 100 people who work under your desk. How do you apply professional ethics in your company?

Professional Ethics are the guiding principles that are to be followed by or expected to be followed by the people in that profession. These principles in any company or group can be termed as ethics. Similarly, professional ethics are to be applied by the people of a particular profession if they can be based on the duties that they have to follow, their skills and specific knowledge.

To apply professional ethics in my company i will follow some rules:

Always strive for excellence: this is the first rule to achieving greatness in whatever endeavour you undertake; this is the quality that makes you and your work stand out. Excellence is a quality of service which is unusually good and so surpasses ordinary standards, it should be made a habit for it to make a good impression on your bosses and colleagues.

Be trustworthy: in today's society trust is an issue and any employee who exhibits trustworthiness is on a fast track to professionalism. Trustworthiness is about fulfilling an assigned task and as an extension- not letting down expectations, it is dependable, and reliable when called upon to deliver a service. In order to earn the trust of your bosses and colleagues, worth and integrity must be proven over time.

Always be ethical: ethical behaviour is acting within certain moral codes in accordance with the generally accepted code of conduct or rules. It is always safe for an employee to "play by the rules". This is always the best policy and in instances the rule book is inadequate, acting with a clear moral conscience is the right way to go. This may cause friction in some organizations but ethical organizations will always stand by the right moral decisions and actions of their employees.

Be respectful of confidentiality: confidentiality is respecting the set of rules or promise that restricts you from further and unauthorized dissemination of information. Over the course of your career, information will be passed on to you in confidence – either from the organization or from colleagues- and it is important to be true to such confidences. You gain the trust and respect of those confiding in you and increase your influence within the organization.