Reflective Activity

According to Stahl et al, the increase in pervasiveness of computing technologies has led to the rise of ethical considerations. A person's place in an organization can be significantly impacted by ethical concerns in computing. Stahl et al also highlighted that there is not a clear and common understanding of the important compositions of the ethics in computing by technical scholars and professionals. Due to the need for awareness on this topic, I will put more focus on the moral dilemmas that fall under the heading of "social and practical issues" (Stahl et al, 2016) and how they relate to my position within the organization. Along with the more general legal, social, and professional ramifications of my acts, I will also consider pertinent literature.

One of the most significant ethical issues in computing is **privacy (Brey, 2007)**. With the increasing amount of data being collected by organizations, there is a growing concern about how this data is being used (Graeff & Harmon, 2002) and who has access to it. As an employee, you may be responsible for handling sensitive data (Graeff & Harmon,2002), and it is essential to ensure that this data is protected (Danezis et al, 2015) and used appropriately. Failure to do so can result in legal and financial consequences for both the organization and the individual (Bygrave, 2010).

Concerns regarding the social influence and repercussions of computers, comprising political, economic, and related topics, are among the social and practical issues covered in the articles being referenced (Battina, 2015). The wider impact of technology on society is one relevant ethical concern in this category (Heitman, 1998). This includes problems like the digital divide, the loss of jobs to automation (Bessen, 2016), and the abuses of technology for monitoring and control. Numerous studies shed light on the practical and societal ramifications of computing technologies. Research on the effects of automation on employment rates or the moral implications of using artificial intelligence (AI) in decision-making processes, for example, may provide insightful viewpoints. AI systems can be biased, and it is essential to ensure that they are designed and implemented in a way that is fair and unbiased. As an employee, you may be responsible for developing or implementing AI systems, and it is essential to ensure that they are designed and implemented in an ethical manner.

One of my potential responsibilities as a professional is to develop and execute technologies that have the potential to cause job displacement. While improving efficiency, automation and artificial intelligence may result in employment losses in some industries. I would have to actively participate in the company's decision-making procedures to solve this ethical issue and promote responsible technology use. This could entail developing strategies that put the creation of jobs first, retraining programs for impacted employees, or working with stakeholders to create moral standards for the use of technology. I also must consider the concept of the "digital divide," which describes the difference between people who have access to modern ICTs and people who do not. As an expert in computing, I should work to close this divide and make sure that technology advances everyone in society. This could entail working with neighborhood organizations to address needs, conducting impact assessments to detect potential discrepancies, and promoting inclusive design principles within the enterprise.

In the social and practical area, privacy and surveillance concerns are also important ethical dilemmas. As part of my job, I must make sure that user data is handled responsibly, push for strong privacy regulations, and make sure that the company's developed technologies respect people's rights. This could entail carrying out frequent audits, actively contributing to the design process to incorporate privacy measures and keeping up with the most recent ethical and regulatory requirements for data protection. Taking legal considerations into account, my acts must comply with current laws, such as those pertaining to data protection. It is essential to keep up with the constantly changing legal landscape and make sure that the business's operations comply with these rules to reduce legal risks.

Moreover, my involvement with social and pragmatic ethical matters must not to be compartmentalized within the organization. To address these issues at a professional level, one might work with industry associations, attend conferences, and contribute to the larger conversation on responsible computing. Computing experts can work together to set ethical standards for the sector by exchanging knowledge and experiences.

In summary, with my work being centered on information security and I am closely involved with many ethical issues, especially those that are social and practical in nature. To responsibly solve these concerns, I need to actively engage with the company's decision-makers, push for the ethical use of technology, and put society's welfare ahead of solely technological gains (Mokyr, 1992). I should conduct myself in a way that complies with the law, encourages social justice (Tyler, 2000), and adds to the continuing discussion about ethical computing among professionals. This strategy not only guarantees the appropriate advancement and application of technology, but it also enhances the beneficial social influence (Hsu et., 2008) that computing experts have on society.

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