**Discussion Topic: Codes of Ethics and Professional Conduct**

**Pick a case study from the examples provided by the Association of Computing Machinery (ACM).**

**Review the application of the ethics code to the situation described and highlight the impact on any relevant legal (jurisdictional or non-jurisdictional) and social issues, as well as on the professionalism of the computing professionals involved. You should provide comparisons to the British Computer Society (BCS) Code of Conduct.**

**You should demonstrate that you understand the topic covered and ensure you use references to academic literature (including journals, books, and reports). This activity will provide evidence of your personal growth and your summary post is required in your e-portfolio.**

**Your initial posting should respond to the question and be at least 200 words long. Your initial post should be labelled "initial post".**

Corazon has demonstrated a highly ethical approach in developing its heart health monitoring device, particularly in terms of security and patient safety. This is crucial in the healthcare sector, where ensuring the security of patient data and maintaining high safety standards are paramount. Corazon adheres to regulatory standards and utilizes cryptography to secure information, which aligns with professional ethics and ensures data protection (Atlam & Wills, 2022). Additionally, Corazon’s charitable initiatives, aimed at improving access to their technology for disadvantaged patients, reflect their commitment to social welfare.

A noteworthy aspect of Corazon’s ethical approach is their open bug bounty program, which invites independent security evaluations of their device. This proactive measure for identifying vulnerabilities demonstrates a high level of professionalism and ethical responsibility. The company’s response to a discovered wireless connectivity vulnerability involved collaboration with the researcher, showcasing transparency and a dedication to continuous improvement. This approach helps maintain public trust in their products (Von Solms & Van Niekerk, 2013).

However, Corazon has encountered a potential issue with a hard-coded initialization value in their device’s design. Although this flaw currently poses minimal risk, it has the potential to be exploited. Corazon recognizes this issue and shows a willingness to address it, which reflects a strong ethical foundation and accountability for their choices (Adams & Makramalla, 2015). The company must undertake comprehensive risk assessments and develop a mitigation strategy to address this vulnerability effectively (Shahri et al., 2017).

When comparing Corazon’s practices with the British Computer Society (BCS) Code of Conduct, several alignments and discrepancies are evident. The BCS Code emphasizes public interest, professional duty, and ongoing professional development. Corazon’s commitment to societal well-being and adherence to legal standards are consistent with these principles. However, the BCS Code also stresses the avoidance of harm, suggesting that Corazon should more thoroughly address the hard-coded value issue to mitigate potential future risks (British Computer Society, n.d.).

**References**

Adams, A. A., & Makramalla, M. (2015). Cybersecurity skills training: an attacker-centric gamified approach. *Technology Innovation Management Review*, 5(1), 5-14.

British Computer Society. (n.d.). Code of Conduct. Available at: <https://www.bcs.org/more/about-us/our-royal-charter-and-bye-laws/code-of-conduct/>

Atlam, H. F., & Wills, G. B. (2020). IoT security, privacy, safety, and ethics. *Digital twin technologies and smart cities*, pp. 123-149.

Shahri, A., Hosseini, M., Phalp, K., Taylor, J., & Ali, R. (2017). Towards a code of ethics for gamification at enterprise. *International Journal of Information Management*, 37(6), 417-431.

Von Solms, R., & Van Niekerk, J. (2013). From information security to cyber security. *Computers & Security*, 38, 97-102.