Collaborative Discussion 1: Medical Implant Risk Analysis

I have selected the discussion topic:" Medical Implant Risk Analysis" and I shall review the application of the code of conduct and assess the legal and social implications as well as the professionalism of the computing professionals who were involved in the development and application of the Implant. I shall also provide comparisons to the British Computer Society (BCS) code of conduct.

The Medical implant (Corazon) complies with Section2.4 of the ACM Code of ethics which states that a professional should accept appropriate professional review (ACM, 2024) because Corazon received approval from the medical device regulatory agencies of multiple countries before implementation

Data transferred between the mobile app and the device employs standard cryptographic algorithms, and all data stored locally on the phone was encrypted. Therefore Sections 1.6 and 1.7 on confidentiality and respect of privacy are fulfilled.

Sections 2.4 and 2.5 of the code are fulfilled when the computer professionals invite disclosure of potential vulnerabilities in the system and an independent researcher uncovers and shares one

BCS states that professional activities must be conducted without discrimination on any grounds and that IT professionals must promote equal access to the benefits of IT .Corazon adheres to the BCS because it is also partially available to patients living below the poverty line or underprivileged users through various charities

The computer professionals invite and accept feedback from other programmers and researchers .Professionals must always seek to improve professional standards through participation in their development, use and enforcement. (BCS, 2024).

Corazon is dedicated in securing patient's information via encryption and a cryptographic algorithm, which is in line with the BCS .Computer professionals, should not disclose confidential information as required by legislation.

References:

ACM. (2024). ACM Code of Ethics and Professional Conduct .Available at:

https://www.acm.org/code-of-ethics#h-4.2-treat-violations-of-the-code-as-
inconsistent-with-membership-in-the-acm . [Accessed: 30 October 2024]

The Chartered Institute for IT. (2024).BCS Code of Conduct. Available at:

https://www.bcs.org/membership-and-registrations/become-a-member/bcs-code-of-
conduct . [Accessed: 1 November 2024]