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Cyber Security

What is Computer Ethics? What are the ethical implications of
collecting data about users?

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Introduction.

Computers are around for an extended time, and in another, they're a reasonably recent development. traditionally, the primary computers were merely fingers and toes digital computers within the literal sense. They were easy tools used for the count. As calculation became additionally advanced, alternative tools began to be wont to leverage the shrewd load. And at the start of the report is what is the computer ethics and what is the ethical implication of collecting data about uses. And in this report explain about it.

1. What is computer ethics?

From the instant of their invention, computers have generated complicated social, ethical, and worth considerations. These considerations are expressed in an exceeding form of ways in which, from the phantasy stories of the author (1970) to a dense three-volume written material on social theory by Manuel Castells (1996, 1997, 1998), and with a lot of in-between. Generally, the literature describes the social consequences of computing, speculates on the means of computation and data technology in human history, and creatively predicts the long-run path of development of engineering and social establishments around it. A small, although a steady increasing, number of philosophers have centred specifically on moral problems.

As engineering evolves and gets deployed in new ways in which, bound problems persist problems with privacy, property rights, answerability, and social values. At an equivalent time, on the face of it new and distinctive problems emerge. (the moral / the moral) problems are organized in a minimum of 3 completely different ways: consistent with the kind of technology; consistent with the world during which the technology is used; and consistent with ethical ideas or themes. during this report, I'll take the third approach.

A third enlightening approach is to prepare the issues consistent with the arena during which they occur. moral problems arise in real-world contexts, and computer-ethical problems arise within the contexts during which computers are used. every context or sector has distinctive problems, and if we tend to ignore this context, we can miss necessary aspects of computer-ethical problems. for instance, in dealing with privacy protection generally, we would miss the special importance of privacy protection for medical records wherever confidentiality is therefore essential to the doctor-patient relationship. Similarly, one won't perceive the acceptable role of computers in education as one not sensitive to distinctive goals of education. Both of those approaches examining problems by varieties and uses of specific technologies, and sector by sector are unit necessary and illuminating; but they take North American country too way abroad of the philosophical problems.

The third approach the approach to be taken during this report is to emphasise moral ideas and themes that persist across styles of technology and sectors. Here the issues are unit sorted by their philosophical and moral content. In this report, I divide the problems into 2 broad categories: (1) metatheoretical and method problems, and (2) ancient and rising problems.

2. What is the ethical implication of collecting data from users?

Online information assortment is Associate in a Nursing implausibly powerful tool. It permits you to collect period market intelligence effectively. By nature, online information is sourced from a good style of websites. Therefore, it's essential that the businesses grouping and leverage (the information the info the information) have a robust moral commonplace for a way that data is collected. For websites that collect information from customers, it's equally necessary that that customer area unit be created tuned in to what information has been collected by websites.

3. Data assortment became a race.

Data is all over. 2.5 large integer bytes of knowledge square measure created on a daily basis. information is unbelievably powerful, so it's no marvel that companies square measure searching for ways in which to initiate with and benefit of the recent new currency within the digital age. info is power once it involves locating, understanding, and connecting with potential customers. And within the race to urge previous the competition, several businesses have determined that a lot of information they might collect, the better.

4. Data ethics will only get more relevant

It's clear that information ethics could be a growing, evolving field and a key one to remain aware of for any business. fashionable businesses cannot have interaction in information assortment and analysis while not a radical understanding of the moral problems concerned. Multiply awareness of knowledge ethics can change businesses to work in an associate degree moral manner that abides by laws, builds trust with users, and keeps personal information personal as it's meant to be. Despite a lot of tight laws, information still contains a massive role to play in driving decision-making for businesses as they give the impression of being to create a period of time-aware selections.

5. Critical Evaluation

We are always using data and working with data. Since computers and information technology are likely to continue to evolve and become further integrated into the human and natural world, new ethical issues are likely to arise. And we should keep our privacy properly and updated.

6. Conclusion.

Computer ethics which is explained in this report is a part of cyber security. It explained what is computer ethics and is the implication of collecting data from users and etc. However cyber security is the most important thing for digital users.

Reference:

1. Floridi, L. (2004). *The philosophy of computing and information*: United Kingdom: Blackwell Publishing Ltd. Available from [https://d1wqtxts1xzle7.cloudfront.net/30717760/The_Blackwell_Guide_to_the_Philosophy_of_Computing_and_Information_Luciano_Floridi_\(Blackwell_2004_376s\)-with-cover-page-v2.pdf?Expires=1646070705&Signature=Ytu8DcSAmuKRfE3ecH~1swPdoa48HhJGp41WFAB1E4Qn3nZ7M~9ISjTPSxW8Ver2PfTdQVYao6VHUQXu1hbfRlymQhHEbngO3jRBMZNrtPSwFzUCArHpoTtt-2KxK8INzQ5wGG4a6yoZzoV9VsPyX~5byijCG7OmCP0Di49dzfCUxaERBe0JGtgRXDUlcOYgm1lWC1EMq8Q~H3~CNZExaeLenT9oU7R5-YsG6EgeYrt2KeQjo9M2frurCibUq8oo4gbgK51ACAd8UaGzlsddwPN41uqmimWOB2JrDnqiACR~sDbSmH0KsBQPdy6lvVmzL6cqDJmmv-wY426ZEkhGnA_&Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA_-page=77](https://d1wqtxts1xzle7.cloudfront.net/30717760/The_Blackwell_Guide_to_the_Philosophy_of_Computing_and_Information_Luciano_Floridi_(Blackwell_2004_376s)-with-cover-page-v2.pdf?Expires=1646070705&Signature=Ytu8DcSAmuKRfE3ecH~1swPdoa48HhJGp41WFAB1E4Qn3nZ7M~9ISjTPSxW8Ver2PfTdQVYao6VHUQXu1hbfRlymQhHEbngO3jRBMZNrtPSwFzUCArHpoTtt-2KxK8INzQ5wGG4a6yoZzoV9VsPyX~5byijCG7OmCP0Di49dzfCUxaERBe0JGtgRXDUlcOYgm1lWC1EMq8Q~H3~CNZExaeLenT9oU7R5-YsG6EgeYrt2KeQjo9M2frurCibUq8oo4gbgK51ACAd8UaGzlsddwPN41uqmimWOB2JrDnqiACR~sDbSmH0KsBQPdy6lvVmzL6cqDJmmv-wY426ZEkhGnA_&Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA_-page=77)(Accessed day 22 February 2022).
2. Lenchner, O. (2015). When it comes to data collection, *Transparency and ethical standards Are not a matter of choice*. Dataversity. Available from <https://www.dataversity.net/when-it-comes-to-data-collection-transparency-and-ethical-standards-are-not-a-matter-of-choice/> (Accessed 28 February 2022)
3. Petkovic, M. Jonker, W. (2007). *Security, privacy, and trust in modern data management*. New York. Springer. Available From <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.656.4731&rep=rep1&type=pdf#page=36>(Accessed 20 February 2022).
4. Robert, N. (2008). *Computer ethics*. Cambridge university press. <https://doi.org/10.1017/CBO9780511804151.002>(Accessed 28 February 2022)