

NAME: ICT

DATE: May 19, 2021 11:22 AM

DESCRIPTION OF TECHNOLOGY

Improve Sleep



HUMAN VALUES



We try to improve people's identity by hopefully making them more productive with great sleep.

TRANSPARENCY



It should minimize the work of the user.

e.g. Only downloading an app or only having to listen to tips that are generated via data that has been gathered.

IMPACT ON SOCIETY



Insomnia, bad sleep, lack of sleep, lack of productivity

STAKEHOLDERS



- Users
- The Client

SUSTAINABILITY



The product will have almost no impact on energy efficiency.

HATEFUL AND CRIMINAL ACTORS



Invading privacy that the user did not consent to.

e.g. Tracking exactly when you fall asleep, perhaps robbers or burglars can abuse this.

DATA



Incorrect data tracking can cause confusion in people in some cases, or even panic induced stress.

FUTURE



People start relying too much on the app to help them throughout their sleep and sleeping habits.

PRIVACY



Sleeping patterns.

INCLUSIVITY



Yes, we strive to help people as much as possible with their sleeping patterns.

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THIS CANVAS IS PART OF THE TECHNOLOGY IMPACT CYCLE TOOL. THIS CANVAS IS THE RESULT OF A QUICKSCAN. YOU CAN FILL OUT THE FULL TICT ON [WWW.TICT.IO](http://www.tict.io)

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HUMAN VALUES



How does your technology affect the identity of users?

To answer this question think about sub questions like: Can the technology be perceived as stigmatising? Does the technology imply or impose a certain belief or world view? Does the technology affects users' dignity? Is the technology in line with the person the user wants to be perceived as?


TRANSPARENCY



How is it explained to the users about how a technology works and how the business model works?

Is it easy for users to find out how your technology works? Can a user understand or find out why your technology behaves in a certain way? Are the goals explained? Is the idea of the technology explained? Is the technology company transparent about the way their business model works?

IMPACT ON SOCIETY



What is the challenge at hand? What problem (what 'pain') does this technology want to solve?

This technology is designed to solve a problem. That is why it is important to exactly define which problem this technology is going to solve. Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? The problem definition will help you to determine and discuss if you are solving the right problem.


STAKEHOLDERS



Who are the main users/targetgroups/stakeholders for this technology?

For the Quick Scan, you only have to list the stakeholders. Can you think of the people that are directly or indirectly affected by this technology? There are a lot of stakeholders that are obvious (like users) but we invite you also to think about the less obvious ones. Missing a stakeholder can have great consequences....

SUSTAINABILITY



In what way is the direct and indirect energy use of this technology taken into account?

One of the most prominent impacts on sustainability is energy efficiency. Consider what service you want this technology to provide and how this could be achieved with a minimal use of energy.


HATEFUL AND CRIMINAL ACTORS



In which way can this technology be used to break the law or avoid the consequences of breaking the law?

Can you imagine ways that this technology can or will be used to break the law? Think about invading someone's privacy. Spying. Hurting people. Harassment. Fraud/identity theft and so on. Or will people use this technology to avoid facing the consequences of breaking the law (using trackers to evade speed radars or using bitcoins to launder money, fo...


DATA



Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into...

There are fundamental issues with data. Data is always subjective. Data collections are never complete. Correlation and causation are tricky concepts. Data collections are often biased. Reality is way more complex than a million datapoints. Are you aware of these issues? How does this technology take these issues into account?...


FUTURE



What could possibly happen with this technology in the future?

Discuss this quickly and note your first thoughts here.


PRIVACY



Does this technology register personal data? If yes, what personal data?

If this technology registers personal data you have to be aware of privacy legislation and the concept of privacy. Personal data can be interpreted in a broad way. Maybe this technology does not collect personal data, but can be used to assemble personal data. If this technology collects special personal data (like health or ethnicity) you should be extra...

INCLUSIVITY



Does this technology have a built-in bias?

Do a brainstorm. Can you find a built-in bias in this technology? Maybe because of the way the data wascollected, either by personal bias, historical bias, political bias or a lack of diversity in the people responsible for the design of the technology? How do youknow this is not the case? Be critical. Be aware of your own biases.

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