Smart Toilet

Technology Impact Cycle Tool
Smart Toilet

Impact on society
What impact is expected from your technology?

What is exactly the problem? Is it really a problem? Are you sure?
We want to detect and prevent diseases with smart toilets.

Are you sure that this technology is solving the RIGHT problem?
Because people have diseases

How is this technology going to solve the problem?
By analysing excrement with sensors and determining if the user is sick and what kind of diet they should follow

What negative effects do you expect from this technology?
Privacy issues, false truths, expense, fear of using it

In what way is this technology contributing to a world you want to live in?
It is making people healthier

Now that you have thought hard about the impact of this technology on society (by filling out the questions above), what improvements would you like to make to the technology? List them below.
We wanted to make the toilet seem like an ordinary one and we want to make sure the user's data is secure.

Hateful and criminal actors
What can bad actors do with your technology?

This category has not been filled yet.

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Privacy
Are you considering the privacy & personal data of the users of your technology?

Does the technology register personal data? If yes, what personal data?
Yes, it registers data on their feces but it all stays local and encrypted.

Do you think the technology invades the privacy of the stakeholders? If yes, in what way?
Yes, it analyses what you eat and operates while you are on the toilet.

Is the technology is compliant with prevailing privacy and data protection law? Can you indicate why?
No, you can't even film in bathrooms which means surely, you're not allowed to do this either unless the user specifically gives consent.

Does the technology mitigate privacy and data protection risks/ concerns (privacy by design)? Please indicate how.
All the user's data will stay local and encrypted. This data cannot be accessed from outside of the system. User can also delete data anytime.

In which way can you imagine a future impact of the collection of personal data?
It can make people follow a healthier diet and be sick less. It will improve the BMI of the country and doctors won't have to do check-ups as often.

Now that you have thought hard about privacy and data protection, what improvements would you like to make? List them below.
No.

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Human values
How does the technology affect your human values?

How is the identity of the (intended) users affected by the technology?
It makes them more self-aware

How does the technology influence the users' autonomy?
Yes, it makes them want to change their diet but also may make them want to use the toilet less in fear of confrontation.

What is the effect of the technology on the health and/or well-being of users?
Their physical health will improve if they follow the instructions but mental health can go down in case they get a bad result or are afraid of using the smart toilet.

Now that you have thought hard about the impact of your technology on human values, what improvements would you like to make to the technology? List them below.
No.

Stakeholders
Have you considered all stakeholders?

This category has not been filled yet.

Data

Is data in your technology properly used?

This category has not been filled yet.

Inclusivity
Is your technology fair for everyone?

This category has not been filled yet.

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Transparency

Are you transparent about how your technology works?

This category has not been filled yet.

Sustainability

Is your technology environmentally sustainable?

This category has not been filled yet.

Future
Did you consider future impact?

This category has not been filled yet.