QUICKSCAN - CANVAS

ICT & Business

NAME: ICT & Business

DATE: September 5, 2024 7:34 PM

DESCRIPTION OF TECHNOLOGY

Application for insight of measurements of the aggregation fields. Because of this insight farmers know what the state of there crops are by just looking in the application. This application will be connected to monitoring stations that are located at the designated farms

HUMAN VALUES

The personal information of the user is only available in the protected database

TRANSPARENCY

In the application there will be a menu which contains info about the company and application.

IMPACT ON SOCIETY

Unfavorable decisions can bemade about the use of farmland because people in the aggregation culture do not have access to information about the conditions of their farmland. This can results in waste of crops which can cause food shortages

STAKEHOLDERS

- Farmers
- SRIC CEO Pradeep Sapkota

SUSTAINABILITY

The energy use is taken in account by using sustainable energy with solar power and it is calculated that it is enough to provide the monitoring station with power to send the data.

HATEFUL AND CRIMINAL ACTORS

There needs to be a conformation of the land owner that it is ok according to him that there will be a monitoring station at his farm that collects data of the surrounding area. Rules about the information provision and storage about data also need to be followed. It has to be: Transparant, target bounded, duty to report data leaks, data minimalisation, data quality/ accuracy and integrity and confidantial use of the data.

DATA

When you create a new account there will be a terms and conditions that needs to be read and agreed to which hold the information about the intented use of the data. The problem with the data can be that data is always subjective so there maybe something wrong with the crops which won't be seen in the application.

FUTURE

This technology could be used all ver the world so that not only farmers know the state of there crops but also people at home know when they have to water there grass for example.

PRIVACY

The information of the users that are being asked are: Username, Email, Adress, Password, Monitoring station code that they want to connect to.

INCLUSIVITY

The data is static and shows what the situation of the farm is and that can't be changed

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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

QUICKSCAN - CANVAS - HELPSIDE

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HUMAN VALUES

How is the identity of the (intended) users affected by the technology?

To help you answer this question think about sub questions like:

- If two friends use your product, how could it enhance or detract from their relationship?
- Does your product create new ways for people to interact?…

TRANSPARENCY

Is it explained to the users/stakeholders how the technology works and how the business model works?

- Is it easy for users to find out how the 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…

IMPACT ON SOCIETY

What is exactly the problem? Is it really a problem? Are you sure?

Can you exactly define what the challenge is? What problem (what 'pain') does this technology want to solve? Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? Is it really a problem? For who? Will solving the problem make the world better? Are you sure? The problem definition will help you to determine…

STAKEHOLDERS

Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by…

When thinking about the stakeholders, the most obvious one are of course the intended users, so start there. Next, list the stakeholders that are directly affected. Listing the users and directly affected stakeholders also gives an impression of the intended context of the technology.
…

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. Are improvements possible?

HATEFUL AND CRIMINAL ACTORS

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

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

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. For example:

- Data is always subjective;
- Data collections are never complete;
- Correlation and causation are tricky concepts;
- Data collections are often biased;…

FUTURE

What could possibly happen with this technology in the future?

Discuss this quickly and note your first thoughts here. Think about what happens when 100 million people use your product. How could communities, habits and norms change?

PRIVACY

Does the 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. Think hard about this question. Remember: 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 the technology collects special personal data (like…

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 was collected, 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 you know this is not the case? Be critical. Be aware of your own biases.…

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