QUICKSCAN - CANVAS

Automotive Technology

NAME: Automotive Technology
DATE: May 10, 2026 4:44 PM
DESCRIPTION OF TECHNOLOGY
Low Level Control for Autonomous driving

HUMAN VALUES

The technology can bring people closer if it was difficult in the first place to reach each other. Allows them to join on planned outing that they could never get to or need someone else's help to get there

TRANSPARENCY

It is a physical thing the user can experience. It would have intuitive controls to make it easier to set up and start the system. The user will only need to give a destination and then the system can take over.

IMPACT ON SOCIETY

Autonomous Driving Mobility. Easier Mobility for all with no need to operate a vehicle very frequently, achieve a license or with a disability. This will allow more independent individuals. This will cause an increase of vehicle users, but what if all cars are autonomous then it will be easier for all and keep the cars running for longer as they are operating as required by the manufacturer and no crashing due to poor operation of a vehicle

STAKEHOLDERS

- RDW
- Fontys ICT
- Fontys Automotive
- Customers
- Suppliers
- Manufacturers
- Bas Gelijns
- Peter Te Have
- Edwin van den Oetelaar

SUSTAINABILITY

This would be used on vehicles for the future so to be able to be more sustainable the vehicles should be fully electric or with a sustainable transmission

HATEFUL AND CRIMINAL ACTORS

This will have the routes logged in the system, home, work and any other points of frequent use. This can be used against the owner by knowing when they are not home, or where they are to cause harm. This technology can be used to transport illegal materials and nobody would be caught transporting.

DATA

Not sufficient data to make the technology run smoothly can cause serious issues in computation and actions the vehicle will take. This should be taken in account in order for the safety of the system to be able to stop in an emergency and to stop quickly without causing serious harm or more harm than already has happened

FUTURE

Driving would cease to exist as your vehicle will just transport you like a bus. Safer roads for pedestrians, cyclists and other road users. More time used for the more valuable things rather than spending the time driving and focused on the road

PRIVACY

It can be used to assemble personal data by logging where the person is and where he drives and when.

INCLUSIVITY

This would be a very expensive technology this would be more widely available in richer countries. Politics can also play in this as you need to pass laws to allow autonomous driving within the country/state

FIND US ON WWW.TICT.IO

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

Automotive Technology

NAME: Automotive Technology
DATE: May 10, 2026 4:44 PM
DESCRIPTION OF TECHNOLOGY
Low Level Control for Autonomous driving

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.…

FIND US ON WWW.TICT.IO

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

Fontys University of Applied Sciences

TICT