QUICKSCAN - CANVAS

student

NAME: student DATE: May 18, 2024 5:25 AM DESCRIPTION OF TECHNOLOGY Predict student's academic performance based on previous knowledge	HUMAN VALUES When used responsibly, predictive analytics can contibute to students well-being by reducing academic stress	TRANSPARENCY There are clear explanations of functionality and why those methods were chosen.
IMPACT ON SOCIETY The problem is that educational institutions face challenges in predicting and improving student performance. I find it indeed as a real problem with significant consequences.	STAKEHOLDERS - Antonio Simeonov	SUSTAINABILITY
HATEFUL AND CRIMINAL ACTORS	DATA There could be biases, inaccuracies which can lead to unfair predictions	FUTURE I hope that the technology will be used in the future, since students are always going to be stressed about their academic performance.
PRIVACY Yes, the technology may register personal data such as student grades, attendance records, family status.	I know that historical data, could lead to risk of bias	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 WWW.TICT.IO WERE DEPENDENT 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

student

NAME: student DATE: May 18, 2024 5:25 AM DESCRIPTION OF TECHNOLOGY Predict student's academic performance based on previous knowledge	HUMAN VALUES (For the dentity of the (intended) users affected by the technology?	TRANSPARENCY Is it explained to the users/stakeholders how the technology works and how the business model works?
knowledge	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?	 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	STAKEHOLDERS	
What is exactly the problem? Is it really a problem? Are you sure?	Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by	In what way is the direct and indirect energy use of this technology taken into account?
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	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.	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	DATA	FUTURE
In which way can the technology be used to break the law or avoid the consequences of breaking the law?	Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into	What could possibly happen with this technology in the future?
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	 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; 	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		FIND US ON WWW.TICT.IO
Does the technology register personal data? If yes, what personal data?	Does this technology have a built-in bias?	THIS CANVAS IS PART OF THE TECHNOLOGY IMPACT CYCLE TOOL. THIS CANVAS IS THE RESULT OF A
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	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	QUICKSCAN. YOU CAN FILL OUT THE FULL TICT ON WWW.TICT.IO
interpreted in a broad way. Maybe this technology does not collect personal data, but can be used to assemble personal	bias or a lack of diversity in the people responsible for the design of the technology? How do you know this is not the	

data. If the technology collects special personal data (like...

design of the technology? How case? Be critical. Be aware of your own biases....





