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Professor Dow
Engineering Senior Design II
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Engineering Ethics

Project selected: Devin Chen, Tyler Cohen, Zach Ray - S.H.E.R.P.A. (Super Helpful Engine Recognizing People's Audio)

Part 1:

Ethical obligations:

For the S.H.E.R.P.A project, their goal is to create a system that will allow people to use their voice to operate certain functions on their computer. Some of the professional obligations that they would have to abide by would be that they are honest with how it works. If there are certain aspects of the system that they proclaim that it can do, they would need to stand by their statements and show honesty to the customer. If there are aspects of it that it cannot do, then they should not say that it can do certain things.

Professional obligation:

Another obligation would be safety in regard to the program operating on a device. Making sure that when operating, there will not be any viruses or malfunctions that occur with the device at hand. To fill these obligations, they should test the program for any faults to make sure nothing will go wrong for the user. Also, perfecting the features and making sure the functionality of it is how they display it for the user.

Part 2:

- Identify possible current and future impact of the design/system/procedure pursued by the group and provide a brief explanation (several sentences) for each consideration.

Consideration	Yes/No	Explain why
Does the system have a global impact?	No	The project does not have a global impact because the project does not have any associations with politics, world economies, or different cultures.
Does the system have an economic impact	Yes	The project would have an economic impact because this would be a new product that would be sold to different people. The price of the product could increase as the demand for it increases.

Does the system have an environmental impact?	No	The project does not have an environmental impact because it is mostly a technological device for an individual's use and does not impact nature directly or indirectly.
Does the system have a societal impact?	Yes	The project does have a societal impact because this can help to advance society as far as having something that can recognize audio. This can be developed more and more to further the amount of people that they can impact.