SDG – Assignment.

29/08-18

Background description:

As one of the 17 areas of choice, according UN sustainable development goals, we thought of the area “’Good health and well-being”. As we thought of a way to help families with autism in their life.

Because of a permanent increasing rate of persons being diagnosed with autism.

Using this application, the children could be noticed earlier, so they don’t grow up as teenagers who might feel that they don’t belong and are not accepted by the society.

They often bounce around in the system for many years. Besides our main purpose that is helping children, this also leads to some benefits for the government. It would redirect the money and time into other spheres of interest. There is a need for a more common and open-minded approach, according to the way people handle autism.

The gadget:

thought of a Screening tool for children that suffer from autism.

In order to provide the information for the users, would use machine learning algorithms, and implement them into a mobile application with a simple user interface. The gadget should have collection of data from the parents and from a smart-watch mounted on the child. It should be easy to use and operate. The application should be free, so its affordable for everyone. By doing so, the amount of collected data be more efficient. There are many other applications according to autism, our application is more efficient, because of its approach with machine-learning.

Links:

<https://tacanow.org/autism-statistics/>

<https://ccfvc.org/42000-increase-in-autism-colorados-invisible-epidemic/>

<https://www.autismspeaks.org/science/science-news/cdc-increases-estimate-autism%E2%80%99s-prevalence-15-percent-1-59-children>

Participants in this group:

Jimmi C. B. (280091)

Mariana Oprea (273476)

Teakosheen Joulak (280021)

Simona Daniela Amarandei-T. (279920)

Nicoleta Sova (267069)

Pijus Rancevas (280017)