

## **RESEARCH ARTICLE TITLE: A TOUCH SCREEN; a solution for the future?**

**AUTHOR: Alexis Diringer, Emmanuel Godet**

**SUPERVISOR: Fabienne Floret, Carole Verlaguet**

**SCHOOL NAME: Laperouse high school**

### **Abstract:**

A touch screen is a computer device that combines the display features of a screen (monitor) and those of a pointing device like a mouse.

Nowadays, touch screens are increasingly present in everyday life. Until today, these technologies were rarely used and available only on "outer terminals" as service stations or railway stations or airports, for example.

Recently, new technologies opened to the public have integrated screens or tactile devices. The recent release of the last Nintendo DS console or phone Apple iPhone are examples of this new growth that can be explained by the relatively low cost of touch screens, which became more accessible but also because the technology is more resistant for regular use. The product has now evolved as it is stronger and accessible across the world.

### Materials:

-Prototype

- Laptop

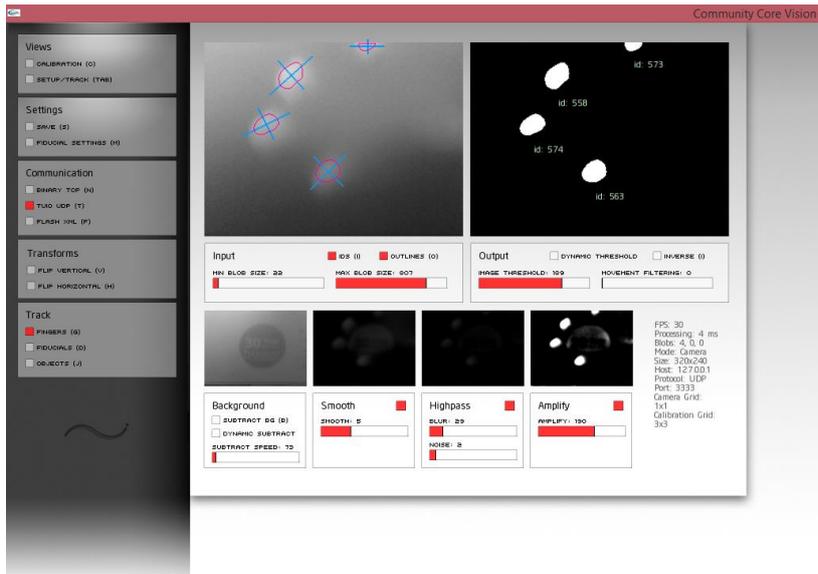
-webcam

### Method:

As students, we face with this new type of technology, and therefore new methods of applications development. In the first part, we will see the history of touch screen technology, detailing key dates and events which have allowed a progress in this sector. Secondly, we will see the different types of touch screens. Then, we will present the screens in daily lives. And finally, in the fourth part, we will try to see what innovations will bring touch screens in the future

### Results:





We have created an even more environmentally friendly prototype digital tablet. Indeed our prototype is manufactured entirely from the daily objects and we have the feeling that our touch screen has a neutral balance sheet as it is made from recycled materials. Therefore that prototype is profitable on a long-term viewpoint and especially it can be done by everyone as it is accessible and inexpensive.

Discussion and Conclusion: we have shown the évolution of touchscreens in history, the different types of touch screen (capacitive, resistive...) our prototype through the theme.. Then some recent innovations that will be used in the future.

### Acknowledgements:

We'd like to thank our professors Mrs. Verlaquet and Mrs. Floret for helping us all along this journey and putting their trust in us .

### Works Consulted:

Wikipedia, L'internaute, InterfaceTactile.com, TooBusiness.com , Tactyl.com, BeyondInfinite.com, Larousse,www.igm.univ-mlv.fr, TabletteTactile.net