

Ribbon - fi



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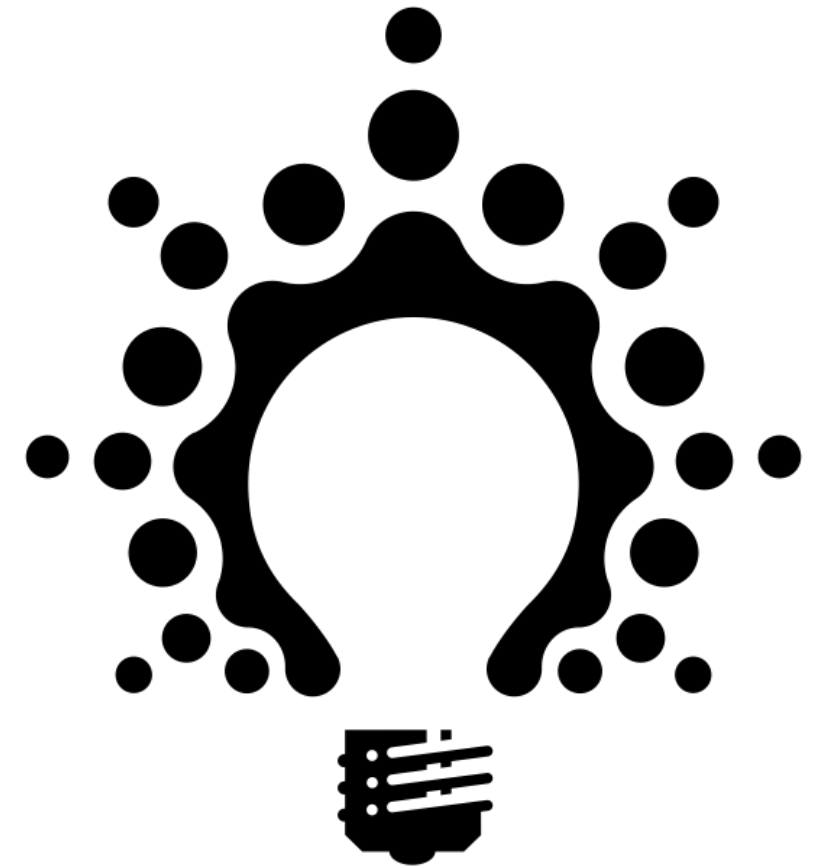
# ABSTRACT

# Ribbon

Nowadays we can not separate us from our loved wearables. Now they are objects of daily life that help us to live, simplifying life in general and our social interactions.

We searched what were the needs of young people and what services they couldn't live without, it turned out they want to be always connected to the "virtual life".

Hence the "RIBBON" idea was born.



# Ribbon-fi

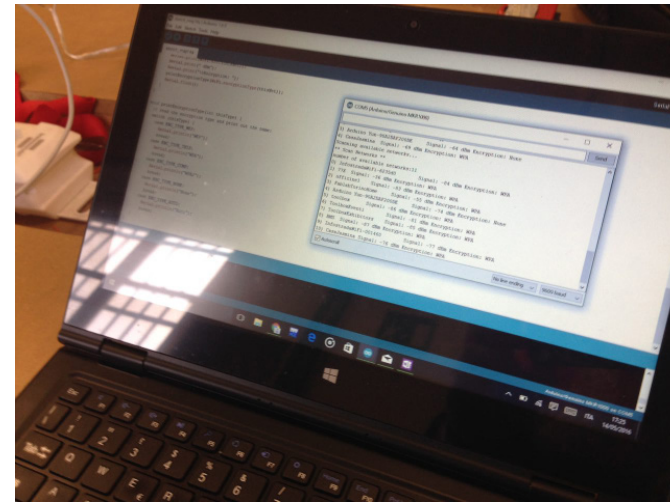
The product will be designed to be like an ordinary neck ribbon, but there will be a LED inside it, that will notify you with light signals if there are open WiFi arounds. The MKR1000 arduino board placed inside the ribbon will be capable of scanning for free wifi so that you can be connected even when you run out of data.



# PARTE FISICA

# Materiali utilizzati:

- desert yellow leather
- 1.260 mAh 3.7v lithium-ion battery
- led strip
- Mkr 1000

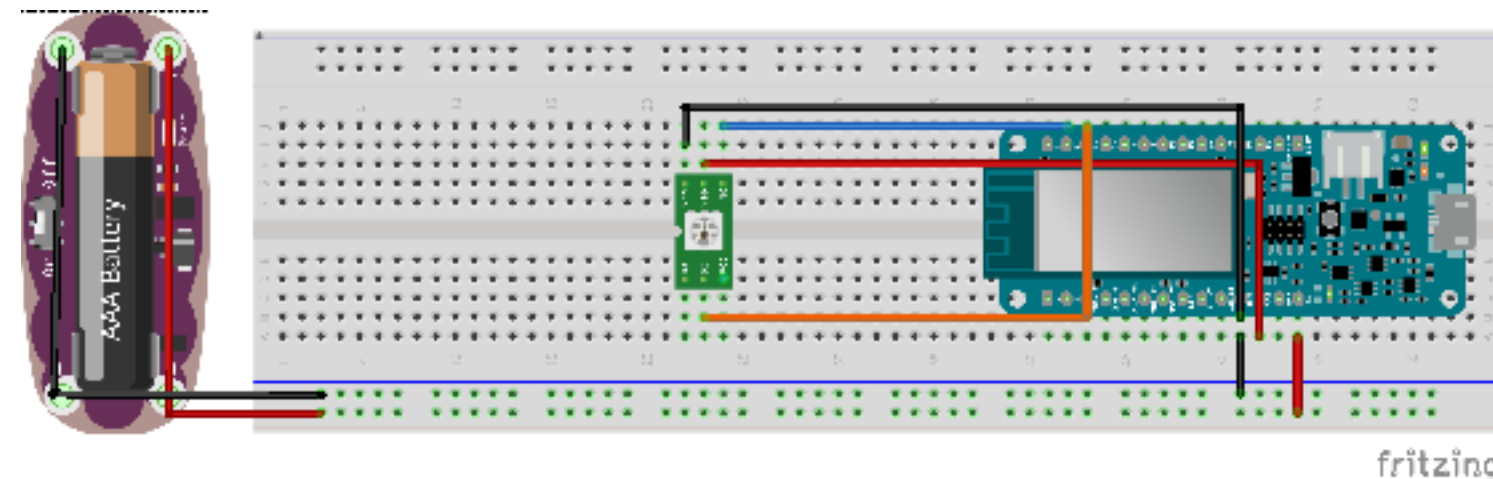


**DOCUMENTATION**



# Mkr 1000

With the help of Arduino libraries we coded the MKR1000 to make it scanning for free wifi and return light feedbacks of different colors, depending on the signals strength. For the light feedbacks we used a RGB LED and we powered it through a lithium-ion battery.



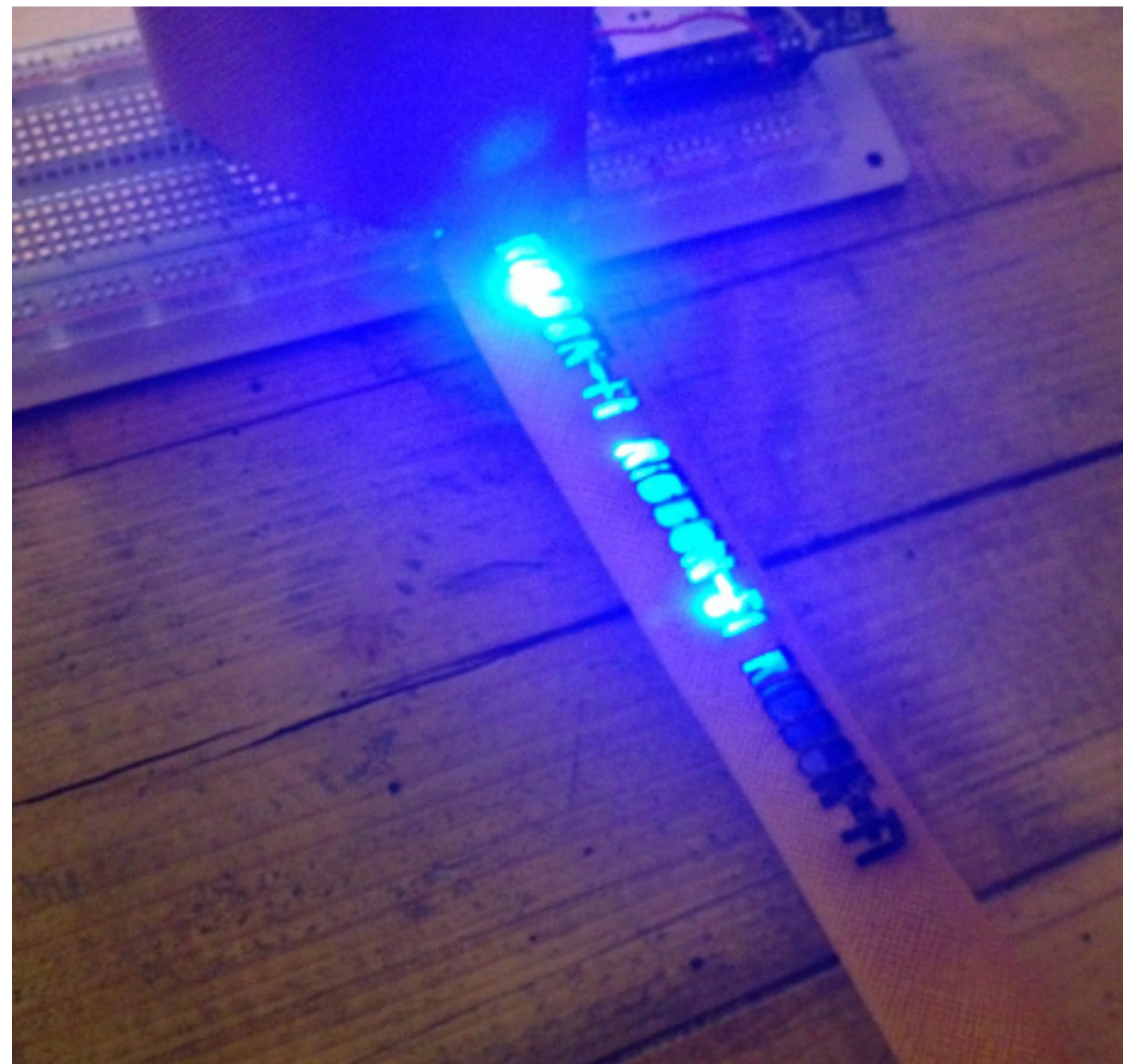
# Leather case

We decided to use the leather for our case because the material is quite resistant and easy to model. We designed the leather case by laser cutting it.



# Ribbon-fi

Innovative, useful, stylish gadget capable of scanning for free wifi and sending light feedbacks.



**BAVATO ALESSIO**

**SAMUELE PIAZZA**

**FRANCESCO PERRON**

**FRANCESCO AVVISATO**