

PRESENTATION

NAME OF MEMBER:

- **FEDERICO ROMEO(TUTOR)**
- DAVID CAMPITIELLO
- BIFFI FABIO
- CARMINE FORTEZZA
- SIMONE STEFANEL
- GABRIELE TOSELLI

TEACHERS:

- CLAUDIO CANCELLI
- SALVATORE PAGANO
- SILVIA AVANZOLINI



WHO ARE

TUTOR



Something about us

We are a team of ten guys who attend IIS Albert Einstein school in Vimercate (MB).

We have decided to take part to this project with the teacher Claudio Cancelli and Salvatore Pagano to improve our knowledge in the world of the telecommunication and electronics.



RESULT

- PPT ITA PRESENTATION
- PPT ENG PRESENTATION
- WORD ITA DOCUMENTATION
- WORD ENG DOCUMENTATION
- ENG VIDEO

HE GAVE US ALL THE NOTIONS AND
SUBDIVIDED THE WORK IN 2
GROUPS OF 5 PEOPLE EACH

TEACHER: CLAUDIO CANC

ITALIAN GROUP

ENGLISH GROUP

TUTOR: ROMEO F

TUTOR: MARCANDALLI LUCA

HARDWARE, PPT, DOC,
SPEAKING

TASK DIVISION

- **WORD**
 - BIFFI FABIO
 - STEFANEL SIMONE
- **POWERPOINT**
 - FORTEZZA CARMINE
 - CAMPITIELLO DAVID
- **CIRCUIT**
 - ROMEO FEDERICO
 - FORTEZZA CARMINE
- **MULTISIM**
 - FORTEZZA CARMINE
- **TEXT AND VIDEO**
 - PROFESORESSA SILVIA AVANZOLINI
 - GABRIELE TOSELLI
 - STEFANEL SIMONE
 - FEDERICO ROMEO

WORD



POWERPOINT

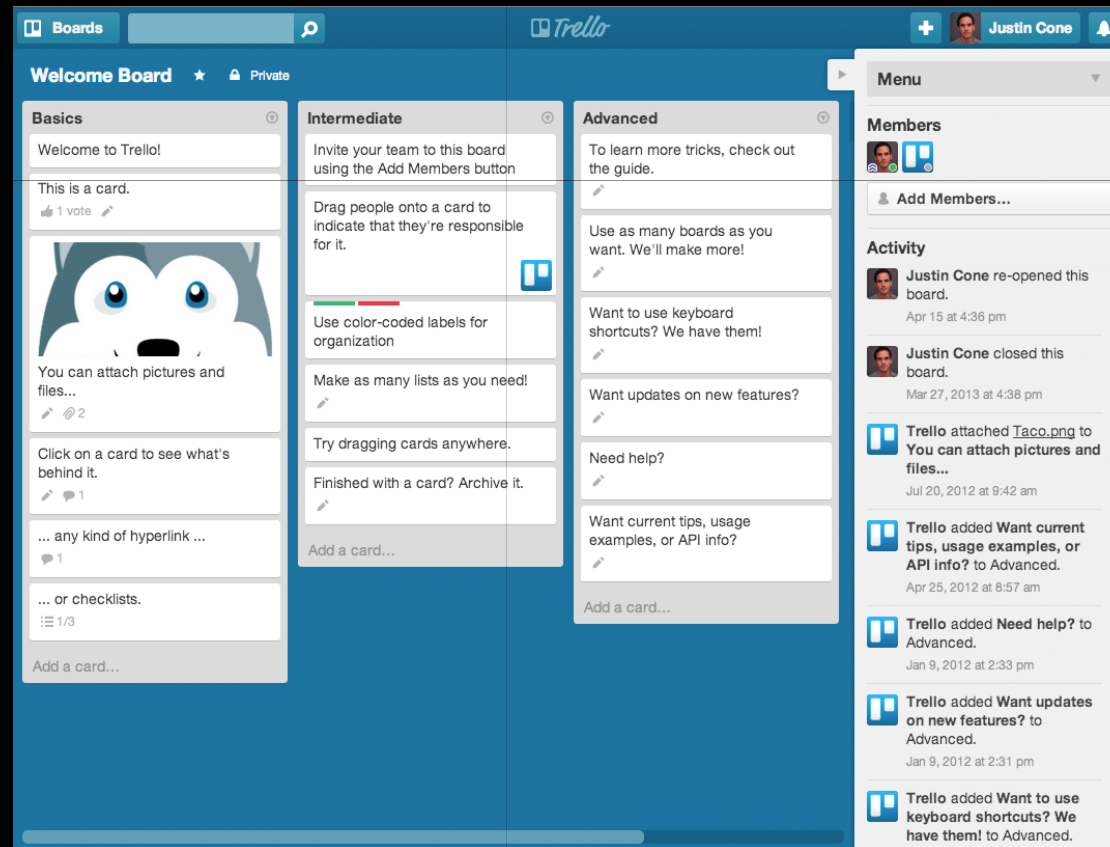
CIRCUIT

MULTISIM

TEXT AND VIDEO

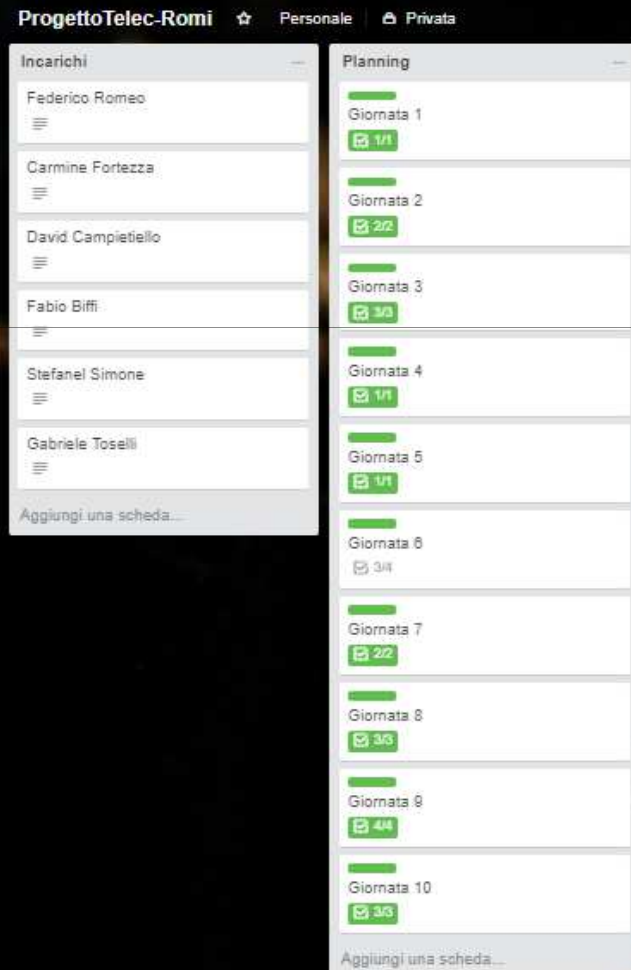
WHAT IS TRELLO?

Trello is a collaboration tool that organizes your projects into boards. In one glance, Trello tells you what's being worked on, who's working on what, and where something is in a process.



TASK SHARED WITH TRELLO

- PLANNING



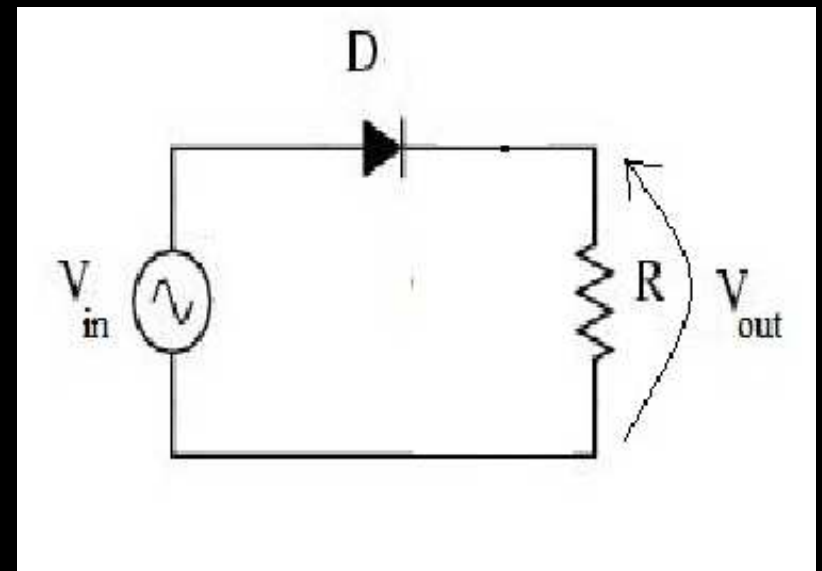
- ACTIVITY LOG



INTRODUCTION

- PROJECT

AIM : THE AIM OF THIS PROJECT IS TO CREATE A CIRCUIT WITH A POWER GENERATOR, RESISTOR AND A DIODE.



METHOD

- FOLLOWING THE STEPS BELOW



FIRST STEP

- MOUNTING A CIRCUIT
- MEASURING
 - V input AC-DC
 - V output AC-DC
 - V resistance



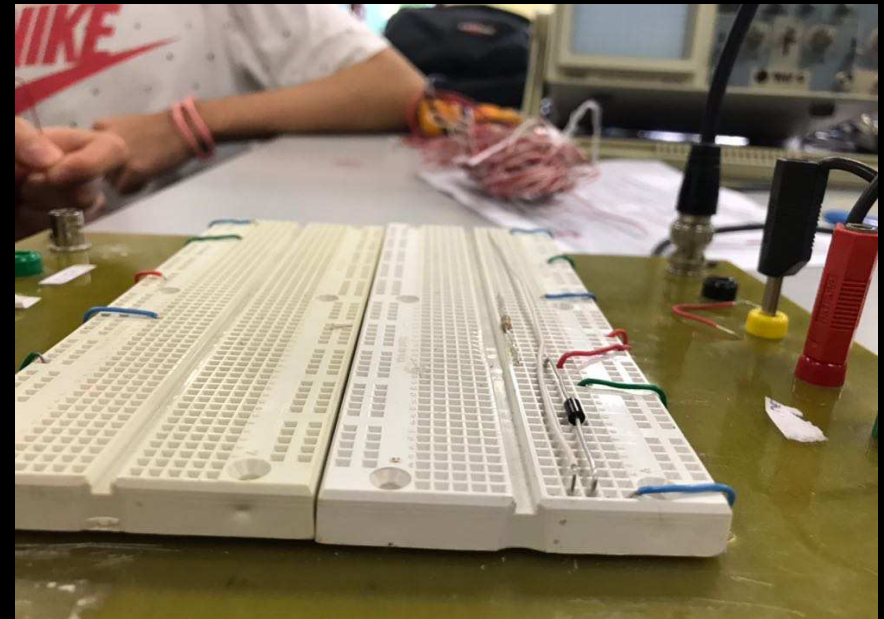
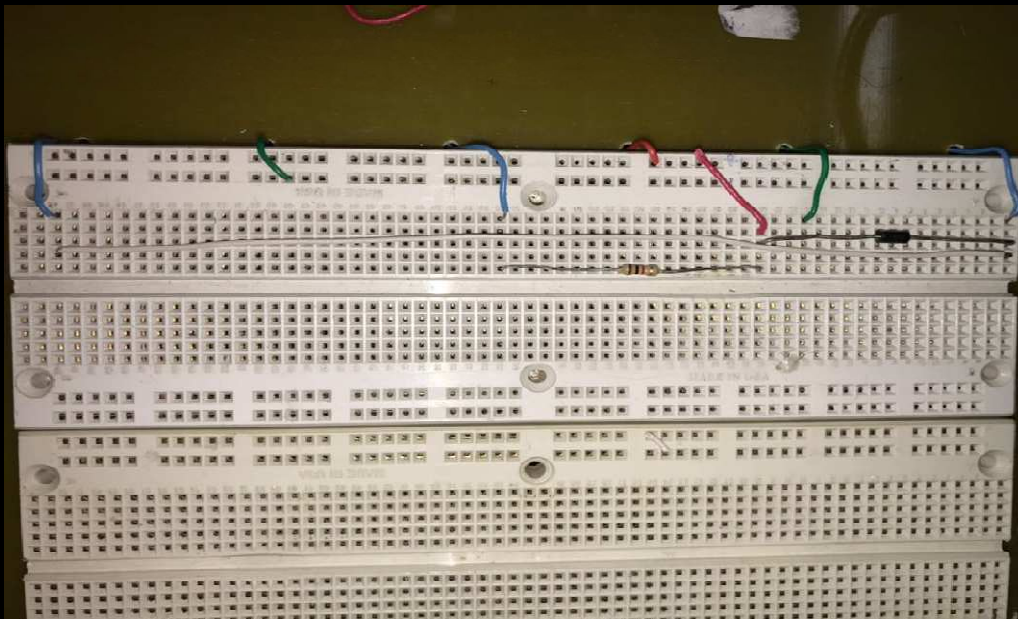
SECOND STEP

- TESTING CIRCUIT WITH «MULTISIM»
- LOOKING AT THE SIGNAL WITH AN OSCILLOSCOPE TO SEE IF THE CIRCUIT BUILT IS CORRECT
- CREATING WORD AND POWER POINT
- MAKE A VIDEOMAKER



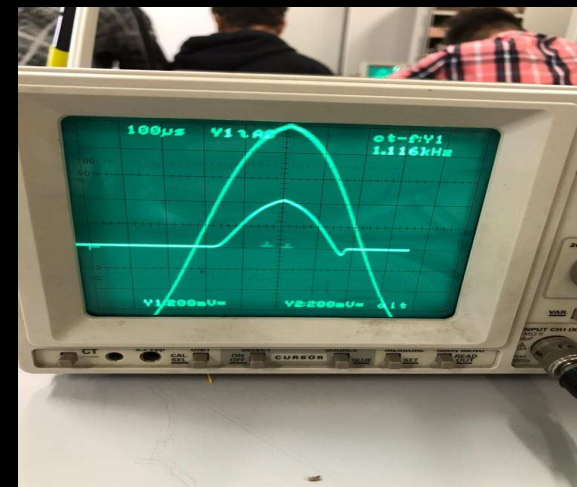
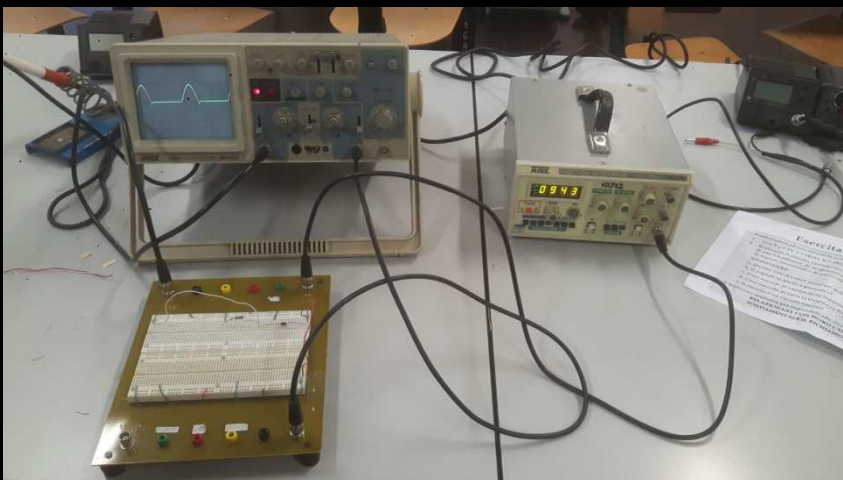
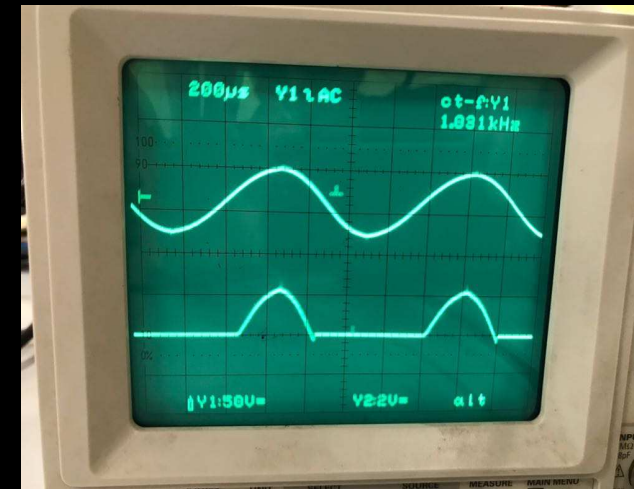
HOW WE BUILT A CIRCUIT

- First we took a breadboard and with it we built the circuit, using some copper wires, a diode and a resistance.
- Once the circuit was built, we connected the cables from the breadboard to the oscilloscope and we tested it.



HOW WE BUILT A CIRCUIT

- Finally, thanks to a voltmeter, we measured the input current AC-DC and the output current AC-DC. Then we compared it to the circuit in Multisim, and we verified if it was correct.

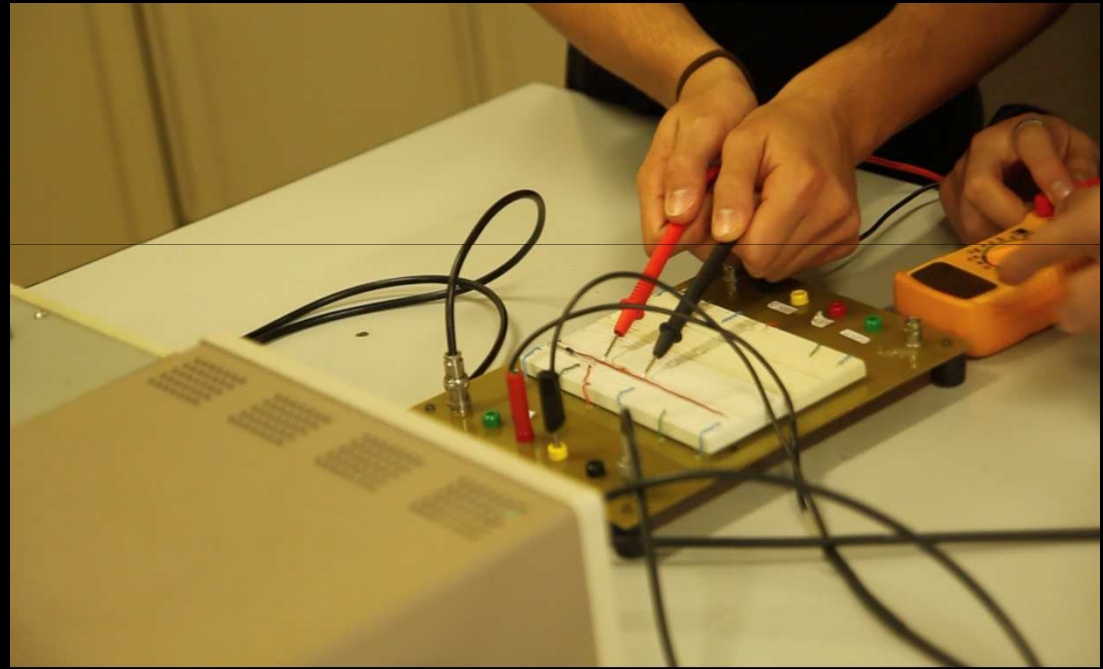


MASUREMENT TABLE

	volt				
	Theoretical	Multisim	Tester	Oscilloscope	Pratic
Effective alternating diode value	\	617,93 mv	\	\	\
Maximum alternating diode value	\	0,6	\	\	\
Alternating vout (vmax)	0,38	0,4	\	360 mv	0,44
Vout alternating effectively	0,2	126,272 mv	\	\	\
Vout medium value	\	\	\	\	0,082
Alternating vin (vmax)	1 volt	1 volt	\	1	1
Effective alternating vin value	0,69 volt	707,106 mv	\	\	0,64
Alternate medium value of vin	0,13	0	\	\	\

	volt
	Tester (using
	5,5
Alternate input current value	
	3,1
Diode alternate value	
	2,4
Alternate resistance value	
	0,1
Direct input value	
	2,1
Direct resistance value	

PHOTOS OF THE CIRCUIT



MAKE A VIDEO RECORDING

- **TEXT WRITING**

- FEDERICO ROMEO
- PROF SILVIA AVANZOLINI
- STEFANEL SIMONE

- **VIDEO RECORDING**

- FEDERICO ROMEO
- CAMPITIELLO DAVID
- BIFFI FABIO
- FORTEZZA CARMINE
- STEFANEL SIMONE

- **VIDEO EDITING**

- TOSELLI GABRIELE

TEXT
WRITING

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graph TD; A[TEXT WRITING] --> B[VIDEO RECORDING]; B --> C[VIDEO EDITING];
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VIDEO
RECORDING

VIDEO
EDITING

OUR THANKS

OUR THANKS TO THE TEACHER **SILVIA AVANZOLINI** WHO SUPPORTED US DURING THE PROJECT: SHE HAS SUPERVISED ALL THE ACTIVITIES THAT WE HAVE DONE IN ENGLISH.

CLAUDIO CANCELLI WHO HAS EXPLAINED THE THEORY: TOGETHER WITH THE TEACHER **SALVATORE PAGANO** THEY HAVE HELPED US TO TAKE MEASURES ON THE CIRCUIT.

GABRIELE TOSELLI WHO SHOT ALL THE PHOTOS AND HELPED US TO FILM AND EDIT THE VIDEO.



CONCLUSION

This experience has taught us how to search on the web information about two important subjects: english and telecommunications.

Moreover we have worked together, joining the information achieved from both the two subjects.

It has been very nice to study and work in this way, different from the traditional lessons.

We have studied and at the same time we have improved our soft skills.

THANK YOU FOR YOUR ATTENTION

END

