

RAPID PROTOTYPE CIRCUIT-BOARD

EXISTING BREAD/PERF BOARD

Pros:

Easy to use

Makes temporary connections

Cheap

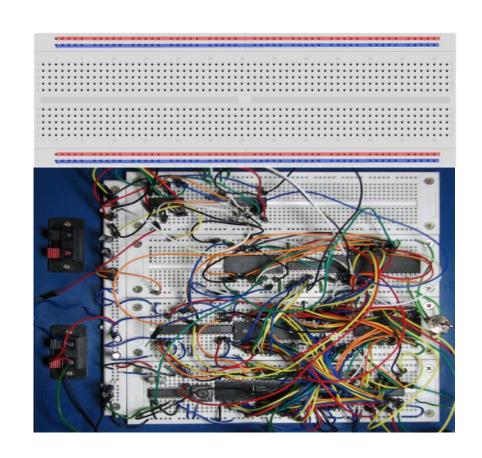
Cons:

Unreliable connections

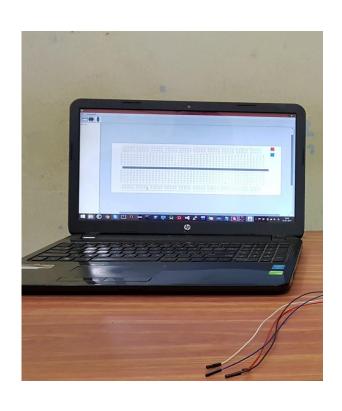
Messy with increase in components

Decrease the speed of development

Can only be used locally



RAPID PROTOTYPE CIRCUIT-BOARD





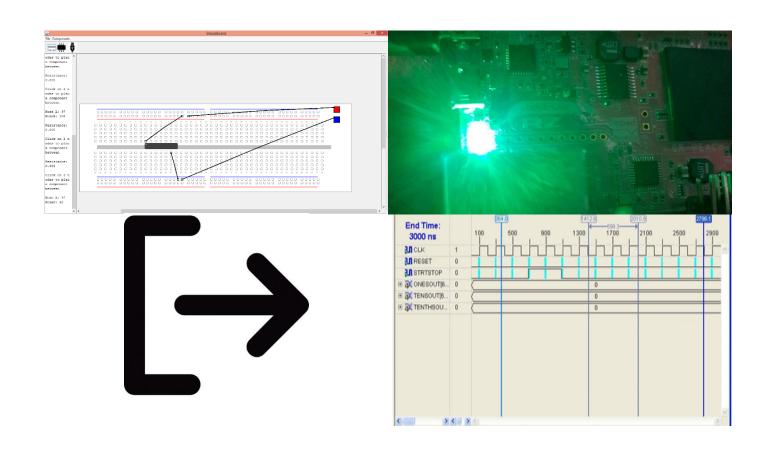
HOW IT WORKS?

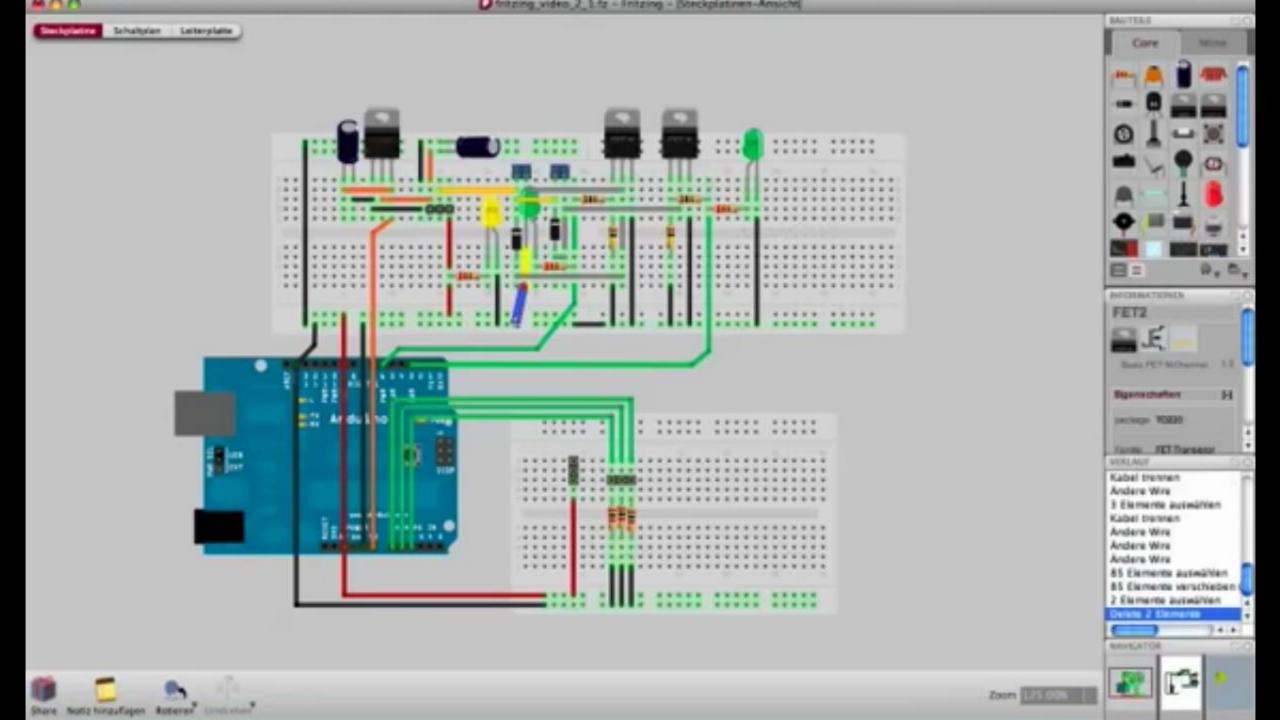
Make connections on GUI.

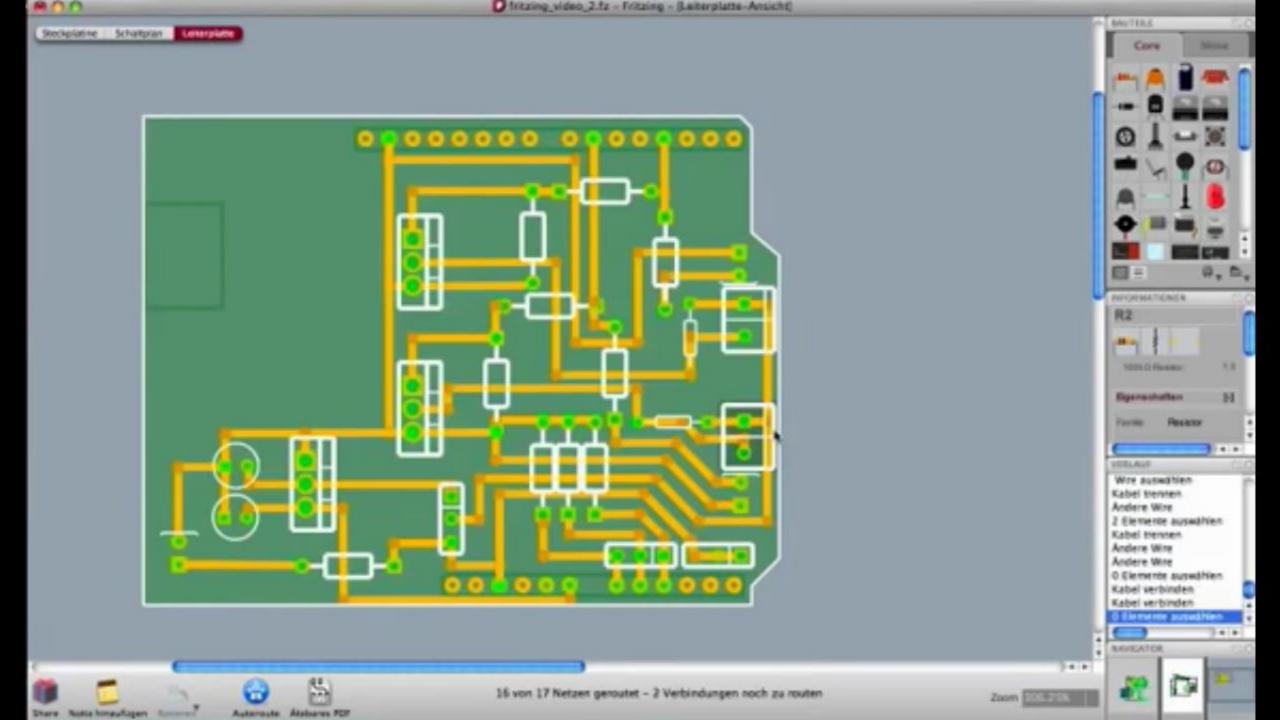
Power up the board.

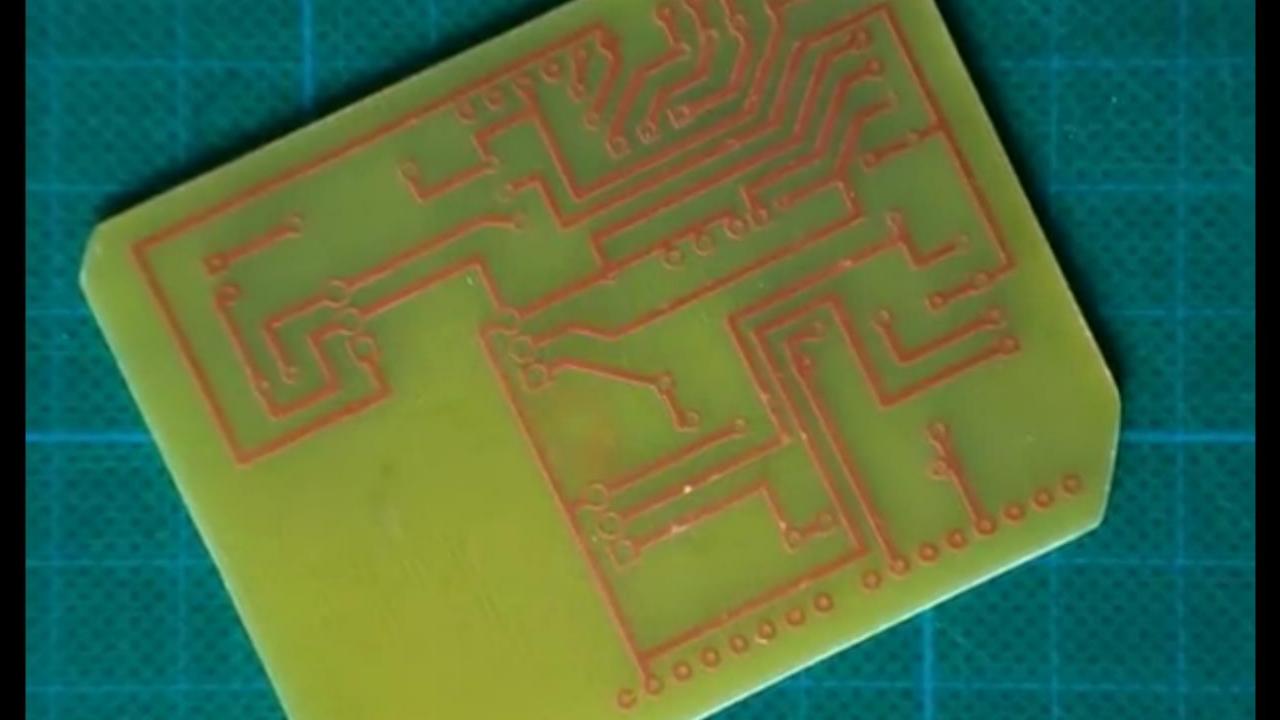
Upload your configuration.

Observe the waveforms.









REMOTELY ACCESIBLE CIRCUIT

Pros:

No wire required

On Board Power Supply

Configuration through PC

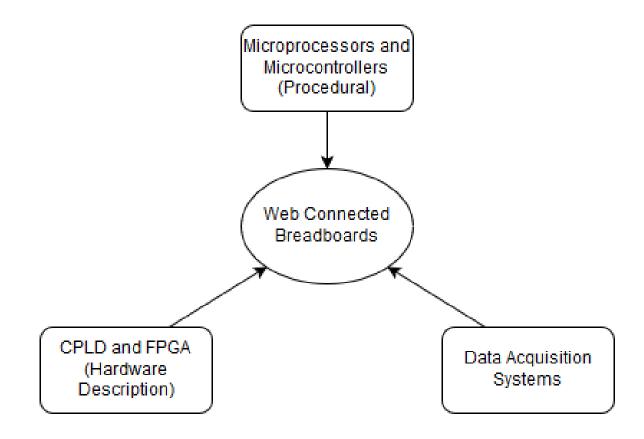
Reload a configuration

Accessible from anywhere

Cons:

Expensive than traditional breadboard

WHAT'S NEW?



USER EXPERIENCE

No more struggle with the messy connections.

Extended support of Voltage sources and pulse generation on each pin.

Off the site and online help.

Same circuit can be easily copied on many breadboards and PCBs.

Circuit debugging and prototyping made easier with analyser.

Make, run and analyse circuit from anywhere in the world, without physical access.

Extended support for procedural and hardware description.

THANK YOU

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Image (Slide2) credit: © Michael Richmond
at RIT, via
http://spiff.rit.edu/classes/phys312/
workshops/w10c/chips/chips.html.
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