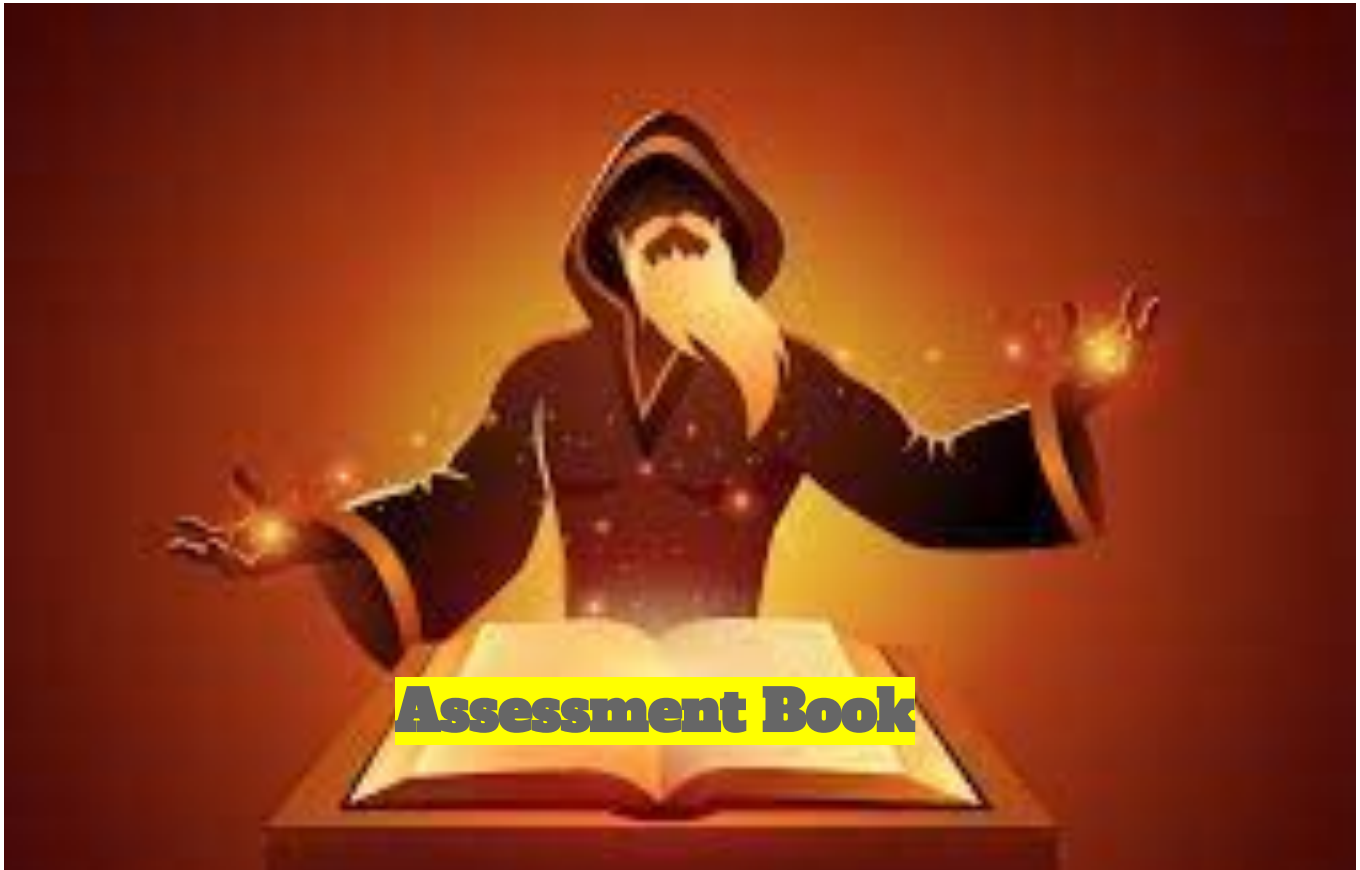
THE FINAL PROJECT

Remember that you can cast the spells in the holy book:



DECIDE A FINAL PROJECT, AND STICK WITH IT

- MEET THE REQUIREMENTS
- IT'S AFFORDABLE IN TIME
- YOU WANT TO DO IT

REQUIREMENTS

- Incorporate 2D and 3D design
- Additive and subtractive fabrication processes.
- Electronics design and production
- Embedded microcontroller design, interfacing and programming
- System integration and packaging

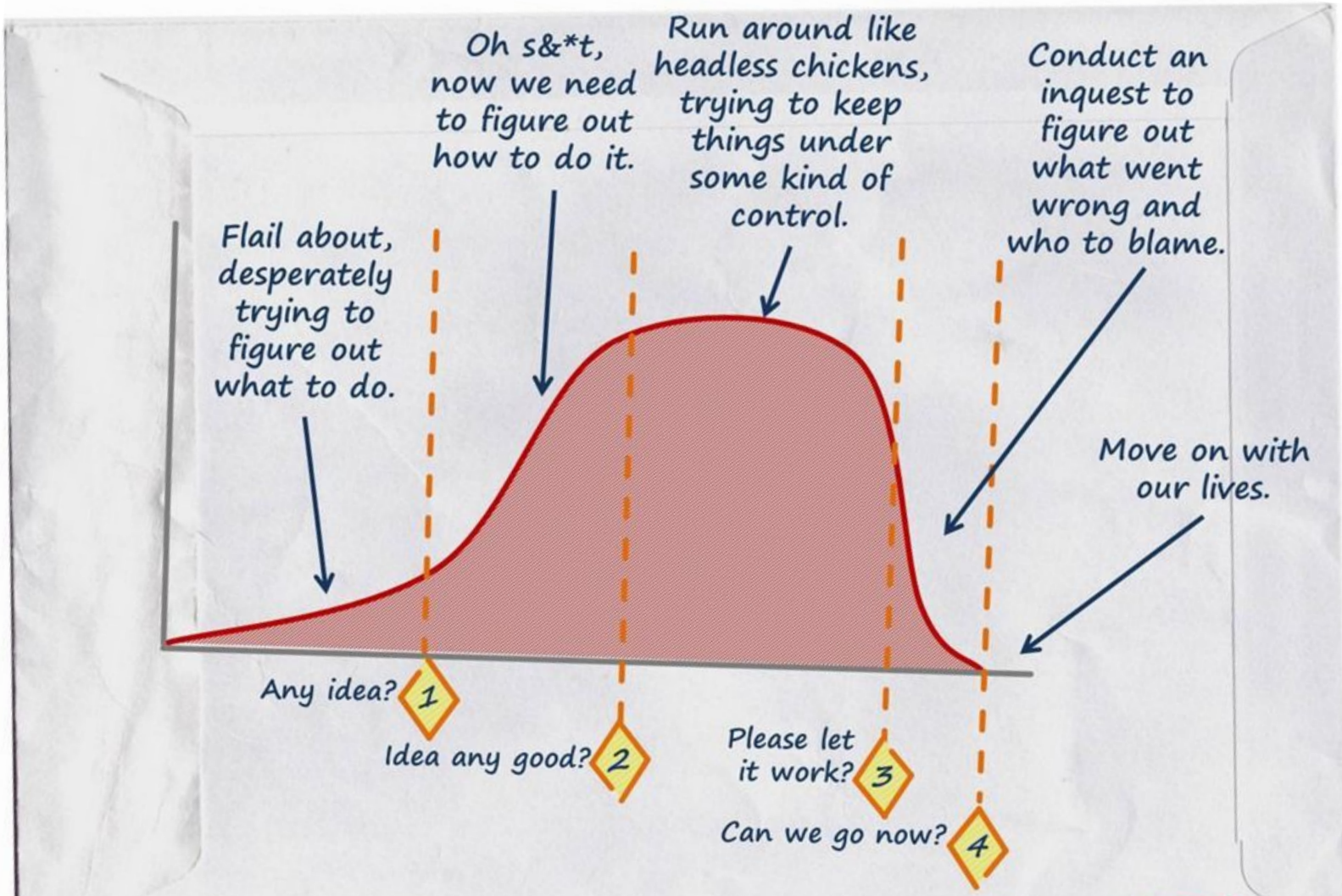
Align your personal goals with the final projects requirements.
Motivation >> Success.

YOUR PROJECT IS YOURS

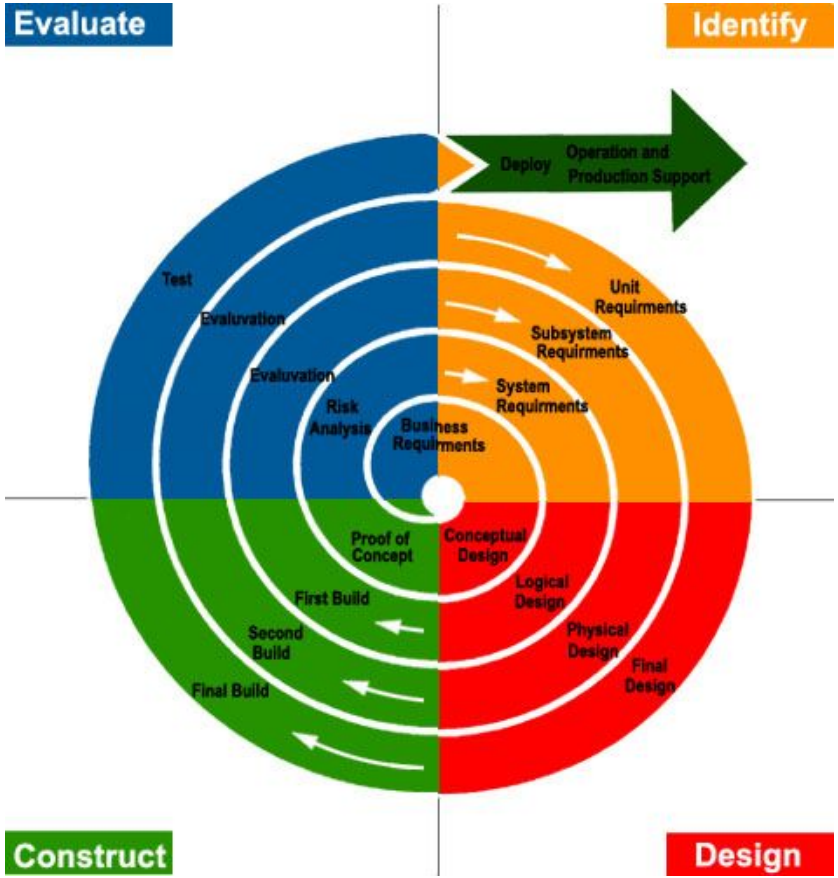
THIS IS MY PROJECT
THERE ARE MANY LIKE IT

BUT THIS ONE IS MINE

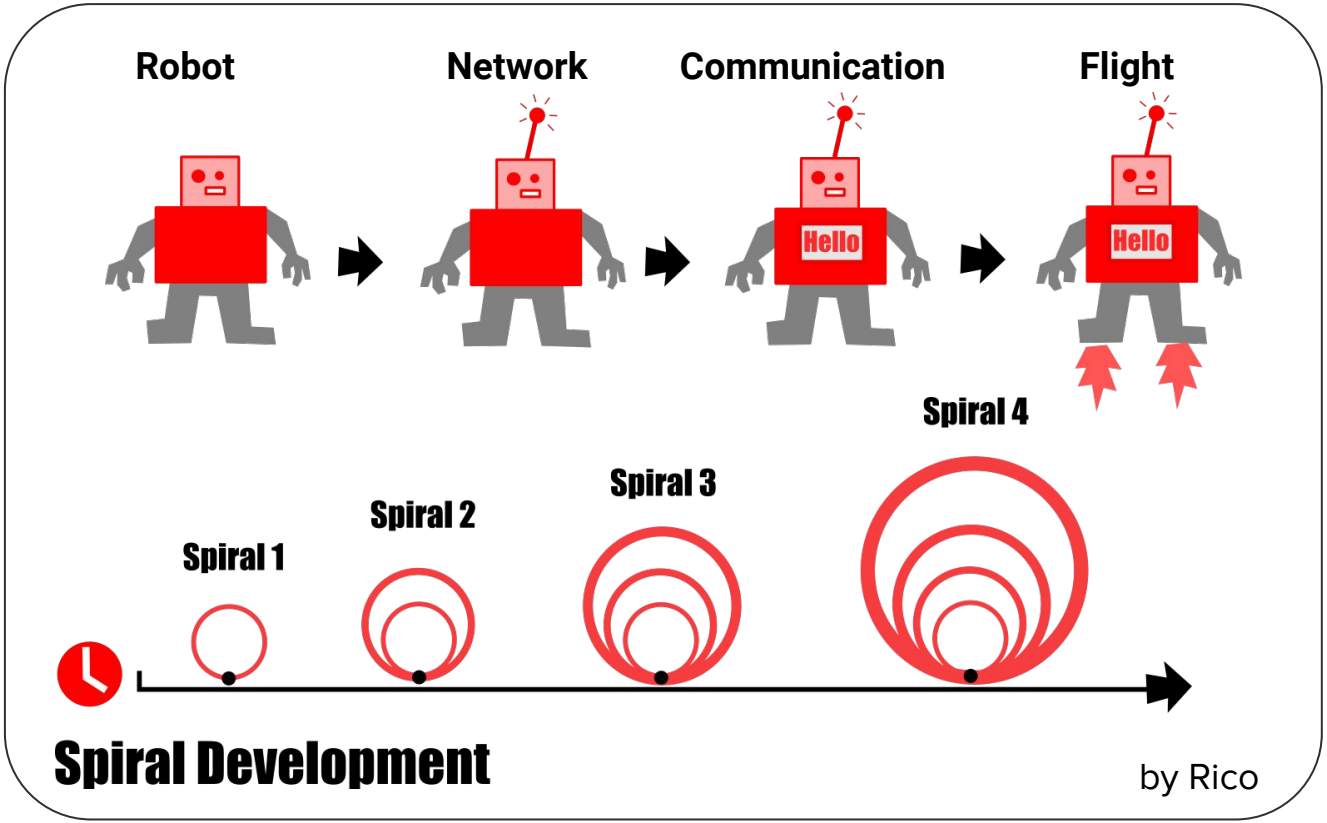
KISS
keep.it.simple.stupid.


Flail about, desperately trying to figure out what to do.
Oh s&*t, now we need to figure out how to do it.
Run around like headless chickens, trying to keep things under some kind of control.
Conduct an inquest to figure out what went wrong and who to blame.
Move on with our lives.
Any idea? 1
Idea any good? 2
Please let it work? 3
Can we go now? 4

KISS - SPIRAL DEVELOPMENT



KISS - SPIRAL DEVELOPMENT



https://youtu.be/A78hTz_5fNg

When the final project is finish?

You will decide the scope and the objective of the final project, so you will be the one who decide when the project is finish...but

Final project: The Good, the Bad and the Ugly

THE GOOD ONE

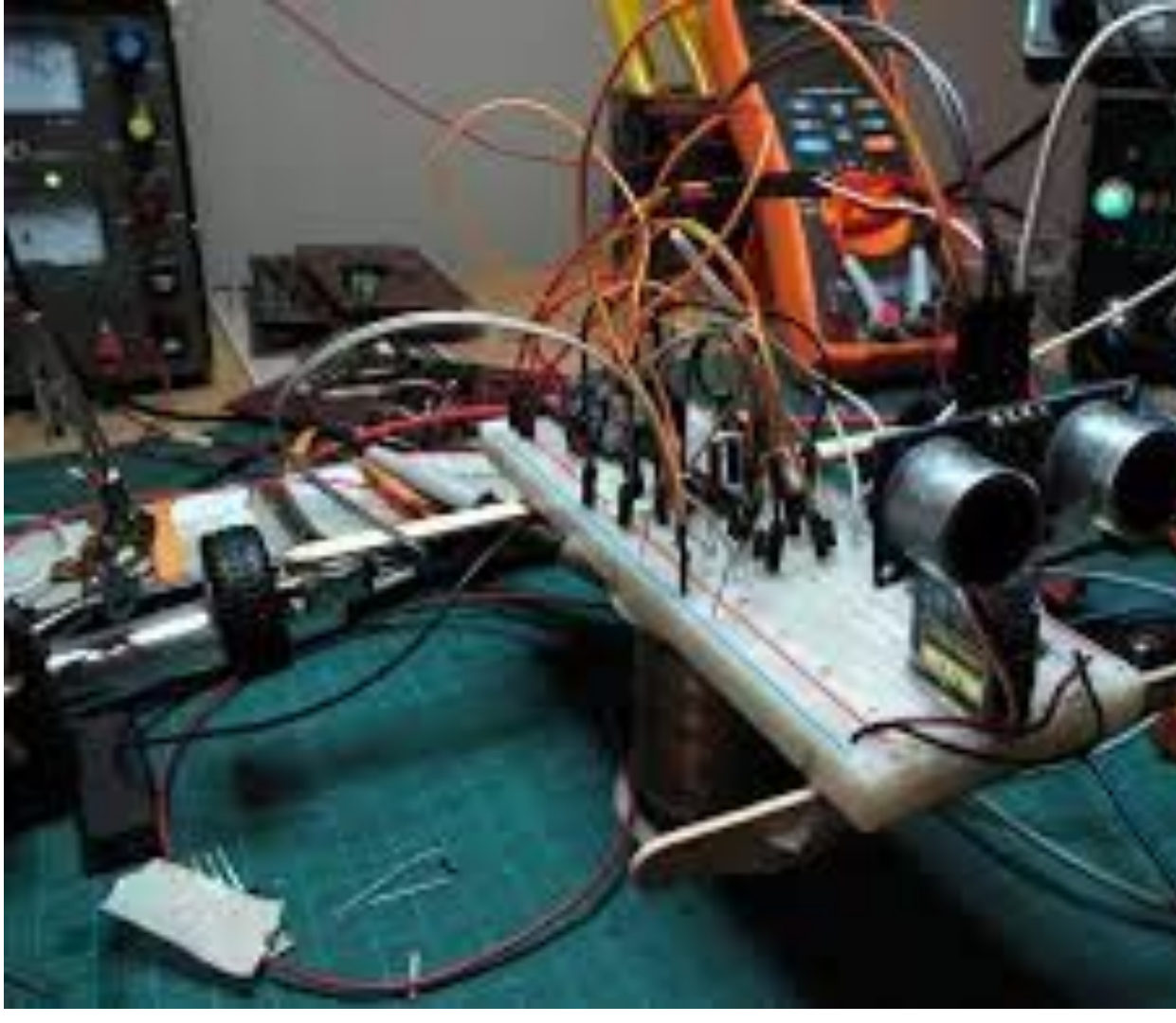
- Simple (KISS)
- Clear Purpose (its clear what should do)
- Nice Designed (not a box)

...it's your objective.

THE BAD ONE

- Complex
- Unclear Purpose
- Awkward Design

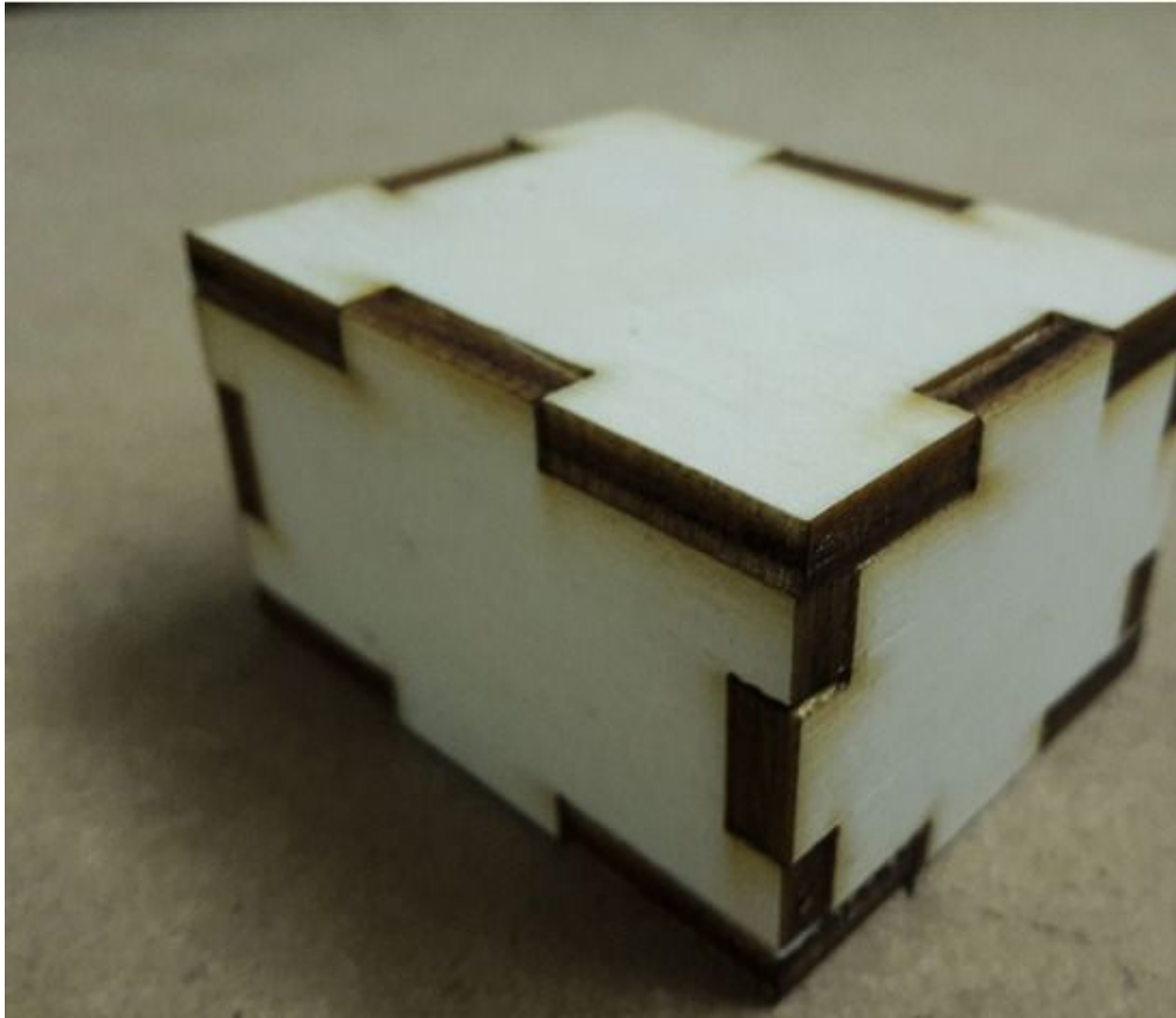
...but it still does what it's supposed to do.



THE UGLY ONE

- Doesn’t Work
- Doesn’t Meet Requirements
- Hard to watch

...it does not show your mastery in anything



THE WEEK

THE 10
COMMANDMENTS

1

Document as you go

Document your journey through the fab academy.

2

Time management

Could save your life

3

Spiral development

Focus on the spiral where you are.

4

Make things modular

Anything can fail, be ready to change it

5

Document what didn't work

You learn from the failures, and others can also

6

Do what scares you as soon as possible

Maybe it's not hard as you imagine

7

Be proactive

Don't be a passive student, be active and participate.

8

Your documentation is the proof

It can be a game changer in the future

9

Give credits

Investigate, know what other have done and respect their work

You are not alone

Talk, ask, play, share and enjoy the rest of your mates
Fab Academy never ends.