

PORTFOLIO

PRODUCT DESIGN

ENGINEERING

UNIVERSIDAD EAFIT - MEDELLÍN

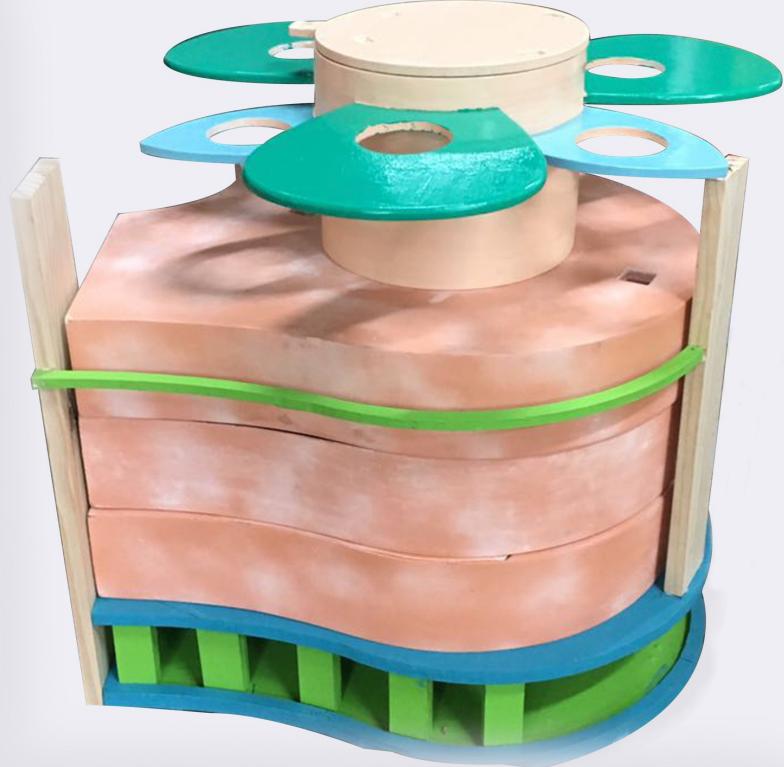
NICOLÁS ZAPATA CRUZ



FIRST PROJECT – NAME: MUMPAAK

- Seeks that students by developing a product have their first approach to engineering and design, understanding the main elements in this areas, also starting to identify a context and an user, for satisfying their needs and desires.
- First objective: developing a picnic kit inspired in the artist Hugo Zapata.
- Second objective: Creating a portable kitchen inspired in the country of India.





SECOND PROJECT – NAME: AI-R3

- Its main objective is applying the concepts of firmness, utility and beauty in the design of a piece of furniture by using observation, collage, sketches, models in scale and blueprints with the purpose of developing abilities for the process of becoming a product design engineer.
- First objective: design a lamp inspired in the architect Steven Hall.
- Second objective: design a piece of furniture inspired in a travel blogger.





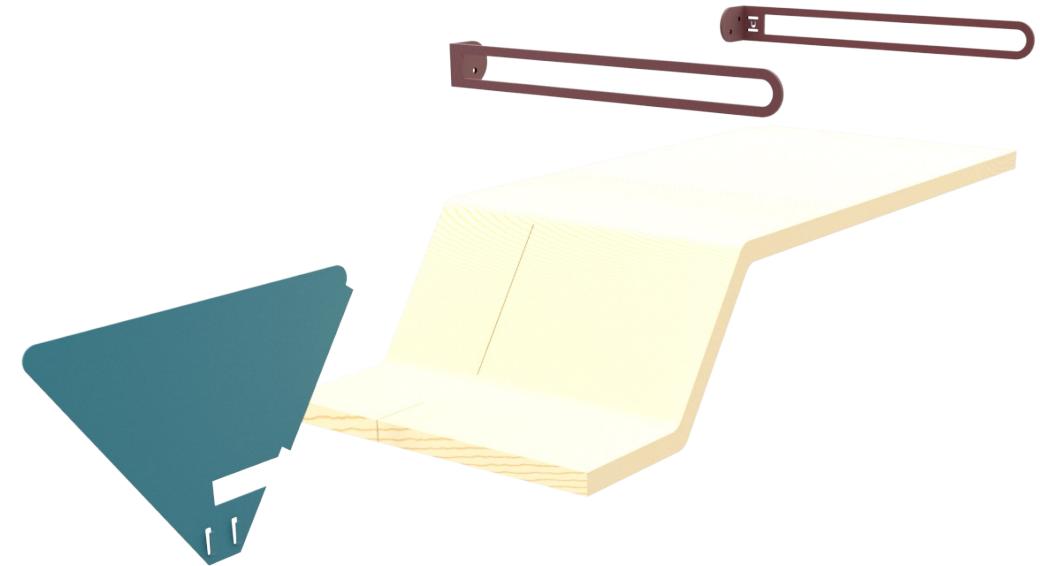
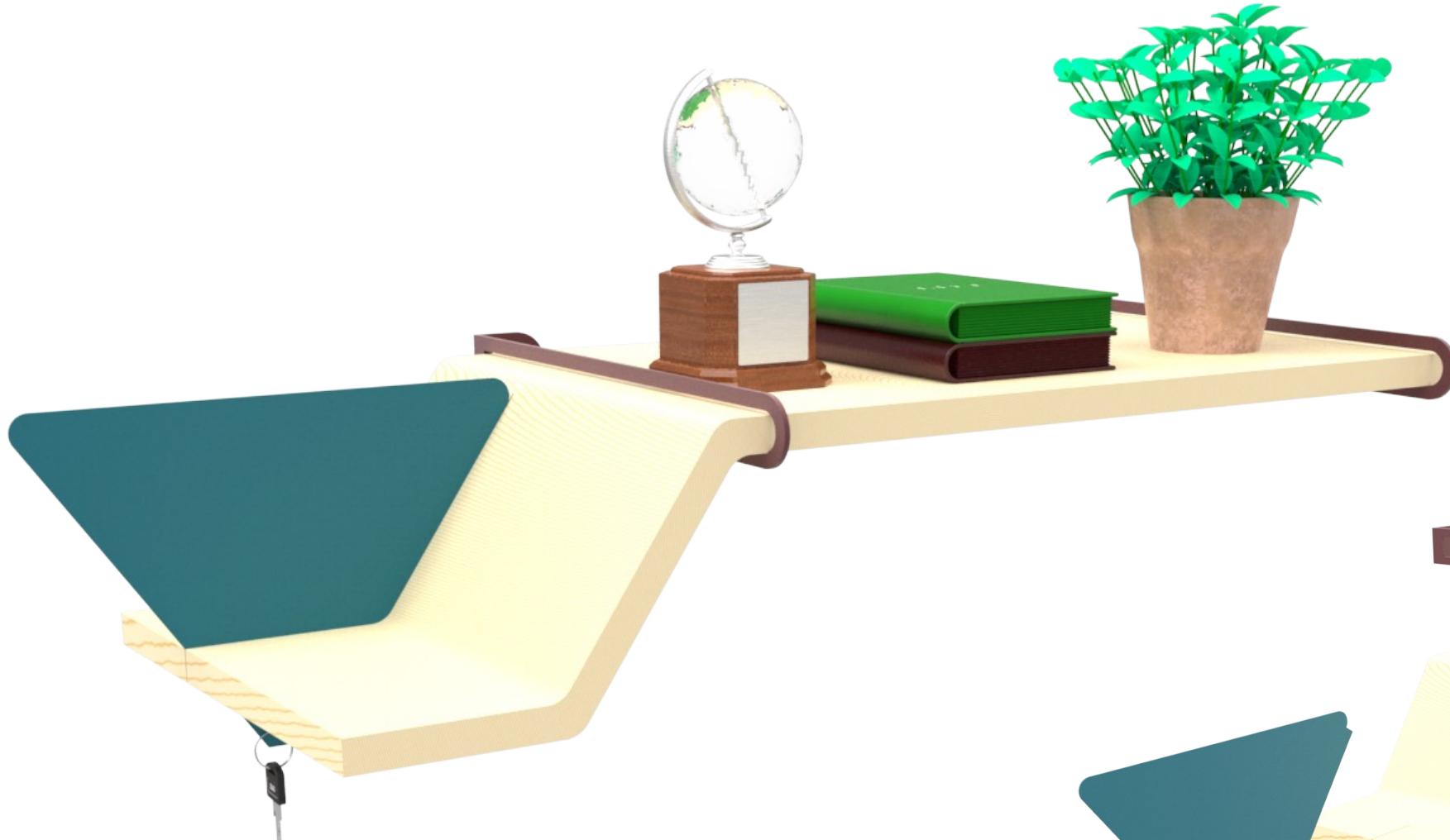
THIRD PROJECT – NAME: MYTHOS

- Understanding the conceptualization as a fundamental stage in the design process, and in product developing, by studying and applying elements of inspiration, in forms and function.



IDLE PROJECT – NAME: DIAL

- With a trip to Germany, visiting different companies like LAMY, BRAUN, PORSCHS, VITRA, MYKITA and ambiente international fair, we designed a piece of furniture for the company CDI.
- Brief: design of a family of products for houses that improve our lives, make us more organized, and must be modular and disarmable.
- Reach: the student gives the to company CDI, a concept of design, and they are in charged of finishing the design for making it a prototype.



FIFTH PROJECT – NAME:TINY

- Design and development of a mobility solution, by using different tools like 3D modeling, construction of prototypes, simulations, calculations, and use of machines.



SEVENTH PROJECT – NAME: STAF

- Design and development of an autonomous vehicle by integrating machine technologies and electronics, also by multidisciplinary work.
- STAF: Servicio de Trazado Automatico de Figuras (Service of Automatic Figure Sketching).

