



# European Project Semester

## PROJECT OUTLINE

**Project dates:** March – June 2020

**Title:** Moving Extruding Machine for Art Exhibition

**Project activity areas:**  
Mechanical design, Automatization.

**Keywords:** Die for clay , Design, Catia V5, Simulation, Realization

**Tutor's name and coordinates**  
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**Project origin**  
Collaboration with the Art School. of Tarbes (ESAD)

### Project technical background:

ENIT collaborated with the art school of Tarbes (ESAD) in 2 EPS projects for the realization of an extrusion head for clay

This project is a new collaboration with ESAD. As part of an artistic exhibition in a public garden, the ESAD wants to create an autonomous transport trolley for the clay extrusion machine.



The extrusion machine will have to carry out its work while moving in the alleys of the garden by depositing its work behind it.

To ensure this exhibition, you will have to create and realize a trolley able to ensure this displacement autonomous and synchronized with the work of the extruder.

### Studied topics:

- Definition of requirements and technical specifications
- Search and purchase of necessary components
- Design and simulation of the trolley
- Realization of the trolley.