



European Project Semester

PROJECT OUTLINE

Project dates: March 2017 - June 2017

Title:

Foundry process

Project activity areas:

Casting, Lost wax casting, Sand Casting

Keywords:

Casting, Molding, CAD Design on Catia, 3D printing, Computer aided manufacturing (CAM), CNC machining

Tutor's name and coordinates

Client – End-user: ENIT
contact: Francois GRIZET
Francois.grizet@enit.fr

Technical ENIT Supervisor + contact:
Guillaume MAZENC
Guillaume.mazenc@enit.fr
Francois GRIZET
Francois.grizet@enit.fr
Yannick BALCAEN
Yannick.balcaen@enit.fr

Project origin

internal Equipment



Project technical background:

The molding is a process obtaining mechanical parts. There are several types of process.
The aim of the project is to demonstrate to ENIT students these different processes.
To do so, we have to experiment these processes first and to imagine the different students' activities we can propose.



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Studied topics:

To build the practical activities for the ENIT students your work will be:

- Design the model on Catia V5
- Design the molds on Catia V5
- Print on a 3D printer the model in Wax
- Computer aided manufacturing on Catia V5 for model milling (sand casting)
- CNC machining
- Realize different castings
- Define the different students' activities
- Create the document for the students activity

