

Interdisciplinary project: smart energy manager for solar panel system



ECTS
5 crédits



Hourly volume
68h

Introducing

Objectives

The aim of the module is to mobilize all the skills in electronics, automatic control systems and embedded programming acquired during years 2,3,4,5 for an ambitious and complex engineering or R&D project. The students will be work with a huge autonomy. During this module, the students will work on an engineering project proposed by a industrial partner with the following steps:

- ↳ Team work (organization, communication planning)
- ↳ Project based on partner specification
- ↳ Research and analysis of solutions, positioning of the solution to the state-of-the-art
- ↳ Design, assembling, test of the proposed solutions
- ↳ Meeting points with the customer
- ↳ Planning and hardware supply management
- ↳ Reports and deliverables

Practical info

Location(s)

 Toulouse

Necessary prerequisites

I4AESE51 ↳ Energy management for embedded systems
I4AEAU11 ↳ Data acquisition and digital command
I4AEIM11 -Microcontroller programming
I4AESE31 - Analog architectures for embedded systems
I5AESE11 - Electronic architectures for energy
I5AELA11-Automation and embedded software for energy