

## **Pendubot Progress report 4**

### **1. Recall of the objectives:**

- **Update the website**
- **Swing-up control**
  - Design the good parameters
- **Safety net**
  - Decide on a definitive strategy
  - Implement it in Labview
  - Simulate it
- **Peripheral movement**
  - Decide on a definitive position of the sectors and the controller
  - Test it

### **2. Achieved work:**

- **Update the website**
- **Swing-up control**
  - Design the good parameters
  - Validation with simulations
- **Safety net**
  - a definitive strategy is decided
  - implementation in Labview is done
  - Simulations validate the model
- **Peripheral movement**
  - a definitive position of the sectors and the controller is chosen
  - we work on the simulations
- **Global design of the simulation**
  - We've designed the major part of the final program in Labview (with all the controllers together), we've chosen the presentation of the interface of simulation (buttons, sliders...)



