Pendubot Progress report 3

1. Recall of the objectives:

- Update the website and put it on line
- Write the midterm report
 - Decide on the Report's plan
 - Learn how to use Latex
 - Write the report
- Prepare the Midterm presentation
- Swing-up control
 - Make some change in the parameters on Simulink
 - Implement the Down-up Swing-up in Labview
 - Implement the Up-up Swing-up in Labview
 - Try to simulate it
- Movement from Up-up to Down-up

2. Achieved work:

- Update the website and put it on line
- Write the midterm report
 - Decide on the Report's plan
 - Learn how to use Latex
 - Write the report
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- Swing-up control
 - Make some changes in the parameters on Simulink
 - Implement the Down-up Swing-up in Labview
 - Implement the Up-up Swing-up in Labview
 - Try to simulate it
- Movement from Up-up to Down-up
 - Define clearly the strategy
 - Implement it on Labview
 - Simulate it step by step

3. Problems:

- We manage to switch between two controllers but if we put all controllers together the simulation does work anymore.
- Our swing-up design is not optimal at all, we have to improve it. Indeed it works in theory (in Simulink) but not in reality.

4. Objectives of next week:

- Implement the safety net on Simulink and try it.
- Find a solution for the swing-up control.
- Update the website.

Global progress of the project (Schedule's update)

