Task List

**Documentation**

* Write starting document:
  + Requirements document
  + Capabilities Document
  + Constraints Documents
  + System Document

**Software**

* Complete review of the existing code created in Lab 1 to 5
* Design Software Architecture
  + Localization
  + Navigation
  + Avoid Obstacles
  + Finding and shooting ball
  + Defense/attack mechanism
  + Design class hierarchy
  + Create API

**Hardware**

* Drawing preliminary sketches and design
* Create a mechanical design proposal and 3 alternative designs
* Build mechanical design
* In conjunction with documentation manager, build an LDD model and fully document the design (drawings, evolution of design, justification, features…)

**Testing**

* Create series of tests
* Test the robot
* Document the testing (Testing documents)