

## Activity 2 - Definition

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**Delivery** of Activity 2. Hard deadline: December 14, 2015, 23:55h. Just one delivery per group, including report and slides.

**Oral presentation** for this Activity 2 on December 16, 2015, in the lab session.

### Second Activity

#### Goal

Analysis of the cooperation mechanisms between agents.

#### Description

In this activity, the groups must study the theoretical concepts described in the lectures about cooperation mechanisms between agents and apply these concepts to the practical exercise of the MAS course.

- Each group has to analyze the different cooperation mechanisms that the practical exercise may present based on the lectures given, including voting, auctions, coalition's formation, etc.
- Determine the advantages / disadvantages that each different cooperation mechanism could entail. Consider the architectures defined in the first activity.
- Once the different cooperation mechanisms have been analyzed for each agent, justify the chosen mechanism for the coordination of the agents.
- Explain as detailed as possible the application of the chosen mechanism for each agent depending on the task to fulfill.

In summary, the following aspects will be evaluated in this activity:

- Written report detailing the study and analysis of the cooperative mechanisms to apply in the MAS practical exercise.
- Oral presentation (in English, 10 minutes)

Last modified: Monday, 19 September 2016, 12:17 AM

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