Education in Information and Communication Technologies
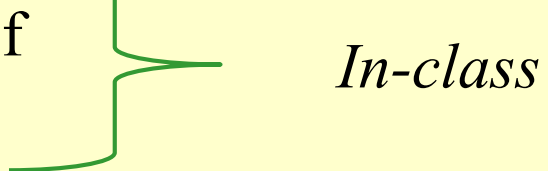
Session 7
Impact of the Discipline on Society (II)

Máster Universitario en Formación del Profesorado de Educación Secundaria Obligatoria, Bachillerato y Formación Profesional
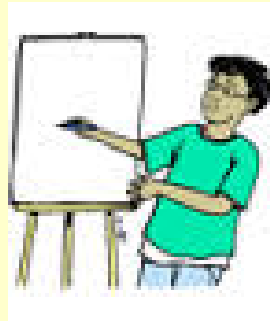
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¿What will we do in this session?

1. Continue with the analysis of the impact of the discipline on society
2. Computing in society
   1. Brainstorming
   2. Concept map
   3. Presentation
   4. Developing a paper

In-class

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2- Presentation (big group work)

- Brief presentation of ideas
- By means of the concept map developed before

25 minutes

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4- Developing an academic paper about the topic (Activity 9 Individual Out-of-class)

- Review documentation about guidelines for the developing of technical documentation and papers (it is on the virtual campus)
- Starting from the work developed in class, research, reflect, and write a paper about *"Impact of Computing in our Society"*

Structure **specifications** for the paper (<u>MUST have this sections</u>)

- Header with title and author (research paper style)
- Abstract
- Introduction
- One or more sections with the contents
- Conclusions
- References
- Concept Map (can be improved with respect to the one given at class).
  - Inserted as a figure somewhere in the paper
- With the exception of the header and the abstract, two-column format using the font, spacing, etc. of choice

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We have learned about

- *Concept map technique*
  - *What is, what is it for, how to use*
  - *Using an editing tool for concept maps*
- *Peer assessment technique*
  - *Using rubrics*
    - *It is important to have **quality criteria** for self-assessment and grading*
  - *Feedback of the learning process*
    - *Very important to **be aware of mistakes**, in order to not repeating them afterwards*
- *Brainstorming technique*
  - *To extract and identify existing knowledge in students, in order to connect it with new knowledge learned*
  - *Complementing knowledge from others*
  - ***Collaborative work** that implies **active learning***
- *Style guidelines to develop documentation*
  - *It is important to have a **reference model** of good practice (how to do things well)*

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