# Practical project 1:  Computer technology

## Evaluation weight

10% of the final grade

## Presentation date

Day 3: October 29, 2019

## Specifications

- The work must be done in teams of 2 or 3 people.

- Each team member must present for a minimum of 5 minutes, up to a maximum of 7 minutes. That means that:

    - For a team of 2, the presentation should last between 10 and 14 minutes.

    - For a team of 3, the presentation should last between 15 and 21 minutes.

- You must choose your topic from the options provided below, on the next page.

- A particular topic cannot be covered by more than one team.

- During team formation, a random selection will be performed to determine the order in which the teams will be able to choose their topic.

## Description

- Your presentation will be given in front of the class, followed by a short question period.

- As for the content of your presentation, you will have to elaborate on your topic by speaking to us about important and notable aspects of it. This means:

    - Define any relevant terms

    - Give an overview of what the technology is and how it works

    - Describe the relevant history

    - Discuss its effects and potential consequences

    - Compare different products; evaluate their strengths and weaknesses

    - Describe the different domains in which the technology is applied

- It is recommended to use presentation materials (PowerPoint, Prezi, Impress). It is easier to use visual/auditory aids, such as a slideshow presentation or a video, to support you when giving a presentation, than to rely purely on memory and recite everything by heart. This will also help your audience to follow along with your presentation.

**Evaluation**

- **10%** Practical project 1
  - **7%** Content
    - Overview:        Presentation provides sufficient coverage and context
    - Focus:            Provides a closer and more detailed view of certain subtopics
    - Accuracy:        Information is correct and up to date
  - **3%** Form
    - Organization:   Presentation is clear and well organized
    - Duration:        Between 5 and 7 minutes per person

**Presentation topics**

You must make a presentation on a topic selected from the following topics:

| | |
|---|---|
| Development tools | Presentation tools |
| Windows shortcuts | Text editors |
| Image editors and image processing | Operating systems |
| Cryptography | Open source |
| Programming languages | Internet browsers |
| Connectivity | Wi-Fi |
| Evolution of video games | Virtualization |
| The cloud | The Internet of things |
| Cryptocurrency and blockchains | Antivirus software |
| Architectures of processors | Machine learning |
| Ethical hacking | Artificial intelligence |
| Internet privacy | Virtual reality and/or augmented reality |
| Computer security | Big data |
| Computer networks | Data structures and algorithms |