Chapter 1. Introduction to the course
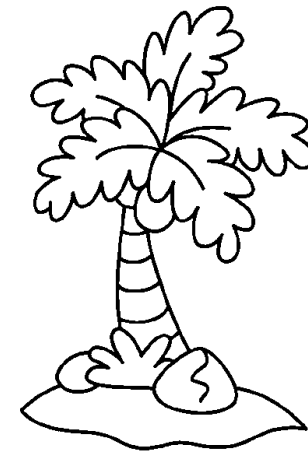
Marta Fernández Diego

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- ▶ Reasons

- ▶ The importance of the environment

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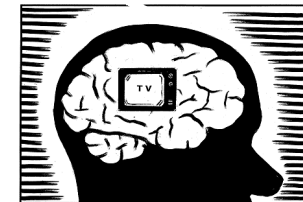
- ▶ During your studies

- ▶ Conclusions and exercises

Reasons

- The computer engineer is not a lone wolf

  - Impact on society

- Everything is related to computers

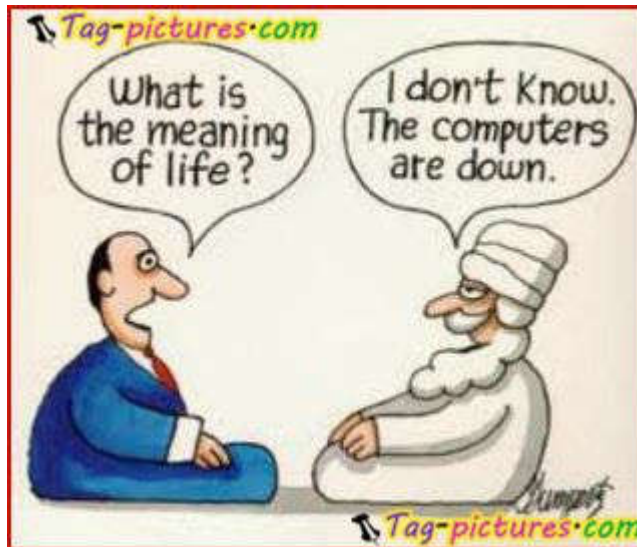 - Computing is part of everything we do!

- Responsibility

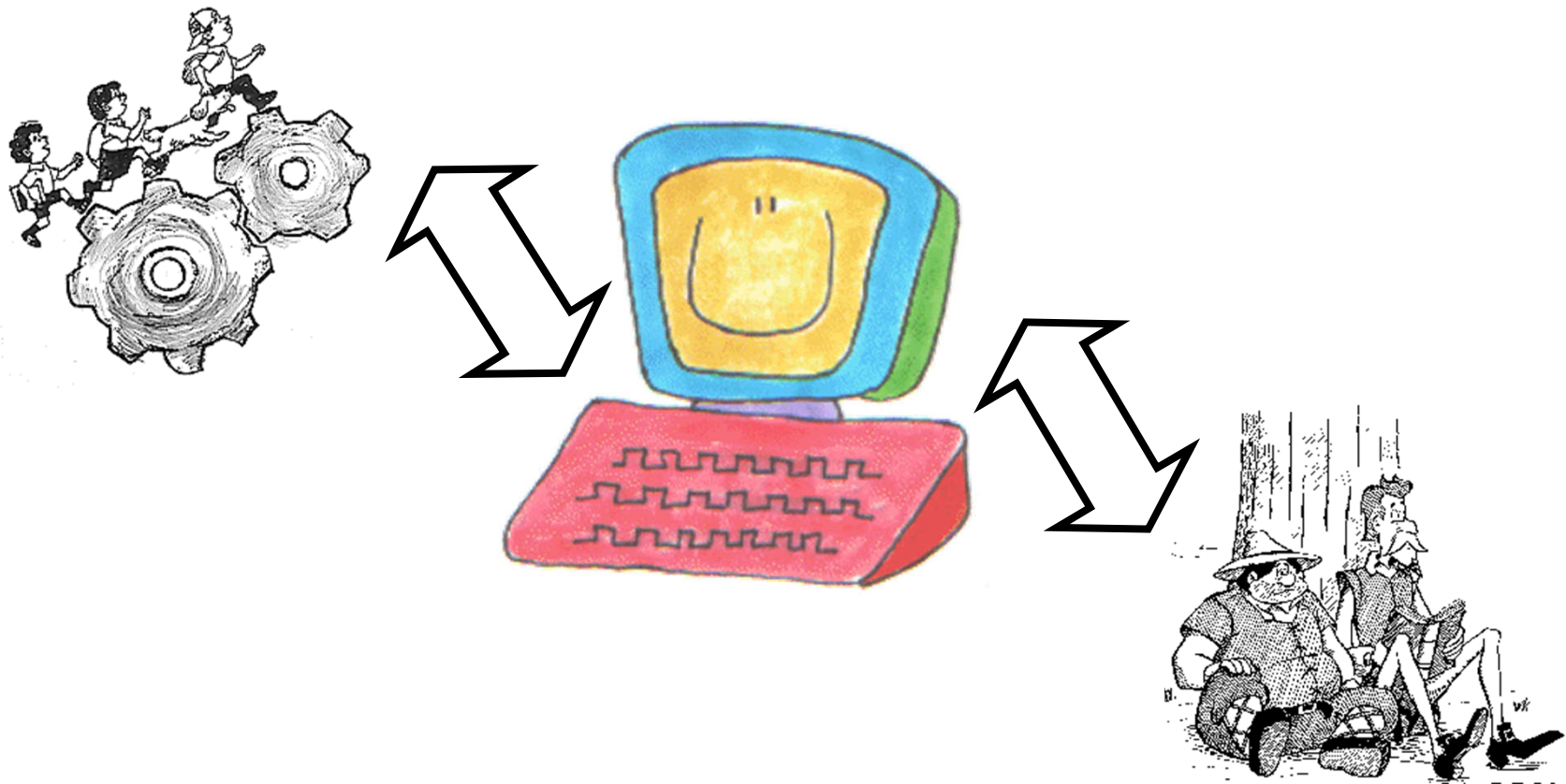Chapter 1. Introduction to the course

The importance of the environment

▶ **Computer science is everywhere, in health, in commerce, in state security forces, in industry, transport…**

  ▶ Information not always translated into power

  ▶ Responsibility

▶ **The ensuing speed of technological change**

▶ **Vox populi**

  ▶ Negative opinions / views

  ▶ Pirates, criminals, terrorists, pedophiles and gossip press

▶ **Digital natives, digital immigrants**
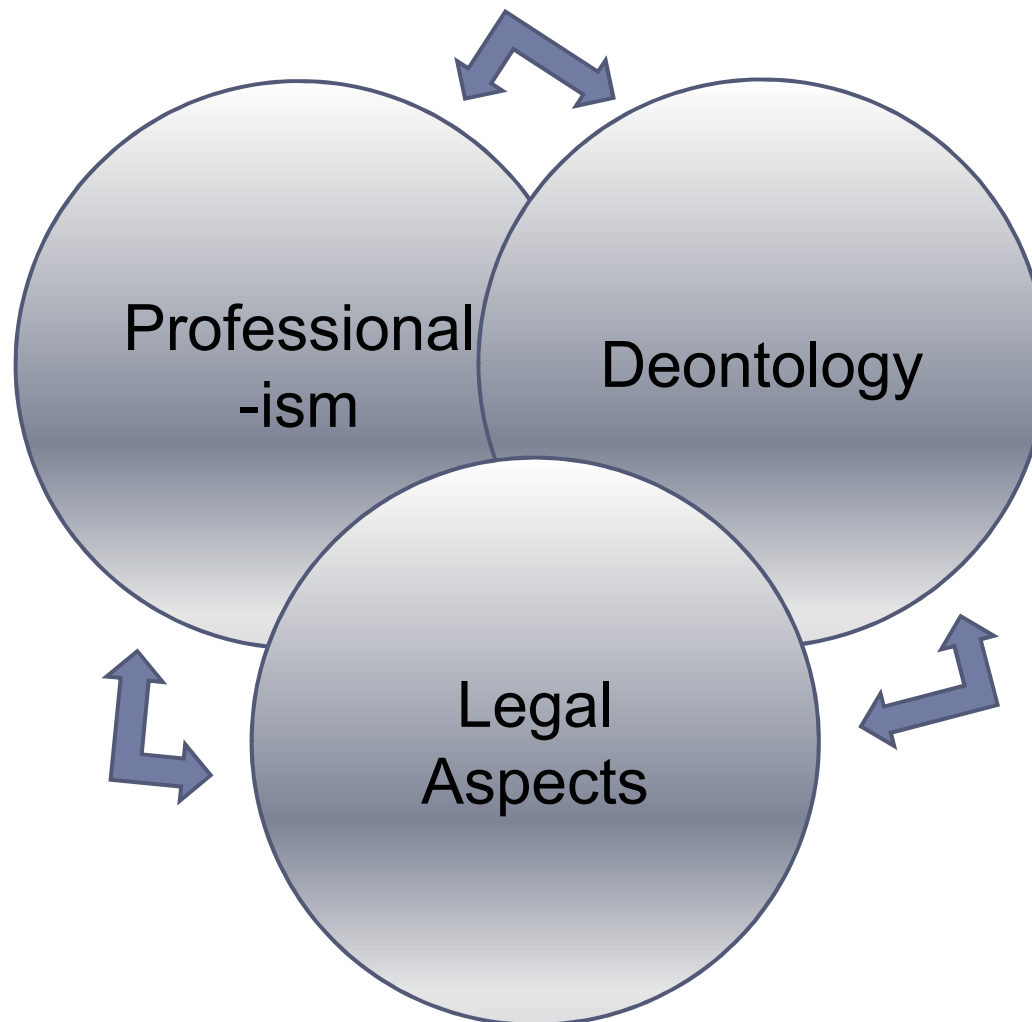
Technology is everywhere

Chapter 1. Introduction to the course

Deontología y Profesionalismo

etsinf

Chapter 1. Introduction to the course

Contents of the course

- **Professionalism**
  - Concepts
  - IT competences
  - Professional profiles
- **Legal aspects**
  - Concepts
  - Data protection
  - Intellectual property
  - Digital forensics
- **Deontology**
  - Concepts
  - Computer ethics
  - Green IT

Chapter 1. Introduction to the course

During your studies

▶ Environment

▶ Intertwine knowledge and gain a new and deeper understanding

▶ Practice

Exercises

- What do you think could be part of an expert report addressed to the court? Sketch your ideas and when you reach the related content on the course, compare your assumptions with what the course presents.

- Write a list (a maximum of ten points) of the most important things that you think form part of the legal and ethical framework of your profession.

- What do you expect from this course? How do you think it will benefit your professional development?

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Exercises

- Marc, Prensky. (2001) *Digital Natives, Digital Immigrants*. On the Horizon. MCB University Press, West Yorkshire, United Kingdom. Vol. 9 No. 5, October 2001.

- Imagine I set you an out-of-class activity in groups of four about the history of computers. You are not allowed to use any electronic devices for this. List all the inconveniences found.

- Find a funny video, cartoon, picture, ... related to IT and computers and the fact that technology is everywhere.

- MIT Technology Review 2016: Mr. Robot Killed the Hollywood Hacker

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