

This is a subject's template with information to be published on the web

# Machine Learning in Industrial Environments

EPSA code

14411

Keywords/Topics

Machine learning, artificial intelligence, deep learning, python

Addressed to

Students with previous knowledge in programming

Previous knowledge required

Engineering, computer science

Course description

Introduction of the new machine learning techniques and their application into industrial environments.

The course will be focusing on:

- Real-time systems
- Control systems
- Data Science and AI introduction
- Machine Learning techniques
- Deep Learning and neural networks
- Application of ML in Industrial Environments.
- Analysis and evaluation of parallel and distributed platforms and computer architectures and hardware configurations. Specific consideration for machine learning and industrial environments.
- Python implementation of these techniques

Teaching units

1. Introduction to Data Science and Artificial Intelligence
2. Introduction to Machine Learning
3. Basic Machine Learning methods
4. Deep Learning and neural networks
5. Machine learning in industrial environments

More info

