Teaching activities and project contribution

MISCE project

Mechatronics for Improving and Standardizing Competences in Engineering

Competence: Programmable Logic Controller

Workgroup: Universitat Politècnica de València

Universidad de Castilla-La Mancha

This document describes the teaching activities developed during MISCE project related to the competence 'Control Engineering'.

Version: 3.0

Date: June 15th, 2025

Visit https://misceproject.eu/ for more information.

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1 Teaching activities

The teaching activities undertaken are described below:

- Activity A: Using the platform for training in concepts related with different activities on programming PLC.

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2 Summary of teaching interventions

Table I summarizes the teaching interventions undertaken using the DC motor control platform for contributing to Control Engineering competences.

Table I. Summary of teaching activities

University	Degree	Subject	Course	Semester	Activity/Interventions	Number of students	Number of professors
Universitat Politècnica de Valéncia (Valencia, Spain)	Industrial Technology Engineering	Automatic technology	24/25	2	A/1	16	1

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3 Contribution to the project KPIs

Table II summarises the contribution of 'control engineering' case of study to the project KPI.

Table II. Summary of the contribution to the project KPI

KPI	No.
Number of devices	1
Number of competencies covered for these devices	1
Functionality of the digital repository	1
Number of degrees	1
Number of subjects	1
Number of teaching interventions over the students	2
Number of competences covered in these experiences	1
Number of students involved	16
Number of HEIs teacher involved	1
Number of Professionals involved	0