Teaching activities and project contribution

MISCE project

Mechatronics for Improving and Standardizing Competences in Engineering

Competence: Working with machinery and specialized equipment

Workgroup: University of Cagliari

University of Cassino and Southern Lazio

This document describes the teaching activities developed during MISCE project related to the competence “Working with machinery and specialized equipment”

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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 “Printing Machine” power on and load the PLA material.
- Activity B: Using the “Software for Printing Machine” to prepare the model for printing.
- Activity C: Using the “Printing Machine” for printing components.

2 Summary of teaching interventions

Table I summarizes the teaching interventions undertaken using the Test-Bed for contributing to Working with machinery and specialized equipment competences.

Table I. Summary of teaching activities

University	Degree	Subject	Course	Semester	Activity/Interventions	Number of students	Number of professors
University of Cassino and Southern Lazio (Cassino, Italy)	Mechanical Engineering	Mechanics of actuation	24/25	2	A/1; B/1; C/1	9	1
University of Cassino and Southern Lazio (Cassino, Italy)	Mechanical Engineering	Kinematics and Dynamics of Mechanisms	24/25	2	A/1; B/1; C/1	8	2

3 Contribution to the project KPIs

Table II summarises the contribution of “Automation Technology” 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	2
Number of teaching interventions over the students	6
Number of competences covered in these experiences	1
Number of students involved	17
Number of HEIs teacher involved	1
Number of Professionals involved	0