## Teaching activities and project contribution

## MISCE project

Mechatronics for Improving and Standardizing Competences in Engineering



Competence: Mechanical systems

Workgroup: RzuT, UNICA, UCLM, UNICAS





This document describes the teaching activities developed during MISCE project related to the competence 'Mechanical systems'.

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Visit <a href="https://misceproject.eu/">https://misceproject.eu/</a> for more information.



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# 1 Teaching activities

The teaching activities undertaken are described below:

- Activity A: Static Burnishing Analysis
- Activity B: Dynamic Burnishing Analysis



## 2 Summary of teaching interventions

Table I summarizes the teaching interventions undertaken using the Servo-Driven Crank Burnisher for contributing to Mechanical systems competences.

Table I. Summary of teaching activities

University	Degree	Subject	Course	Semester	Activity/Interventions	Number of students	Number of professors
Rzeszow University of Technology (Poland)	Mechatronics	Machine Dynamics	24/25	3	A/1, B/1	13	1
Rzeszow University of Technology (Poland)	Mechatronics	Machine Dynamics	24/25	3	A/1, B/1	12	1
Rzeszow University of Technology (Poland)	Mechatronics	Machine Dynamics	24/25	3	A/1, B/1	13	1
Rzeszow University of Technology (Poland)	Mechatronics/ Computer Science and Robotics	Robot Control	24/25	5	A/1, B/1	10	1
Rzeszow University of Technology (Poland)	Mechatronics/ Computer Science and Robotics	Advanced Robot Control	24/25	4	A/1, B/1	10	1
Rzeszow University of Technology (Poland)	Mechatronics/ Computer Science and Robotics	Diagnostics of Mechanical Devices	24/25	2	A/1, B/1	8	1



## 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.
NΓI	INO.
Number of devices	1
Number of competencies covered for these devices	1
Functionality of the digital repository	1
Number of degrees	2
Number of subjects	4
Number of teaching interventions over the students	12
Number of competences covered in these experiences	1
Number of students involved	66
Number of HEIs teacher involved	2
Number of Professionals involved	2