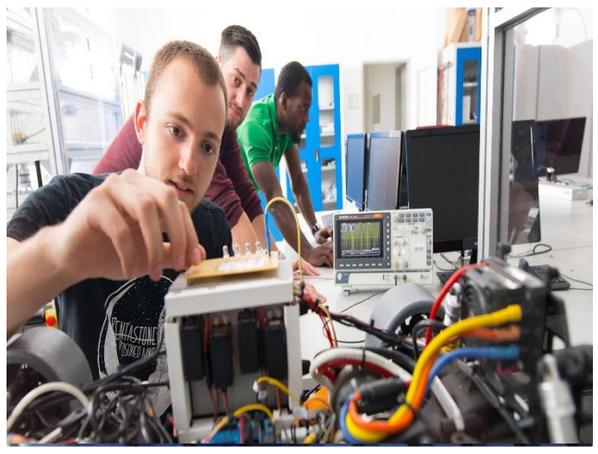
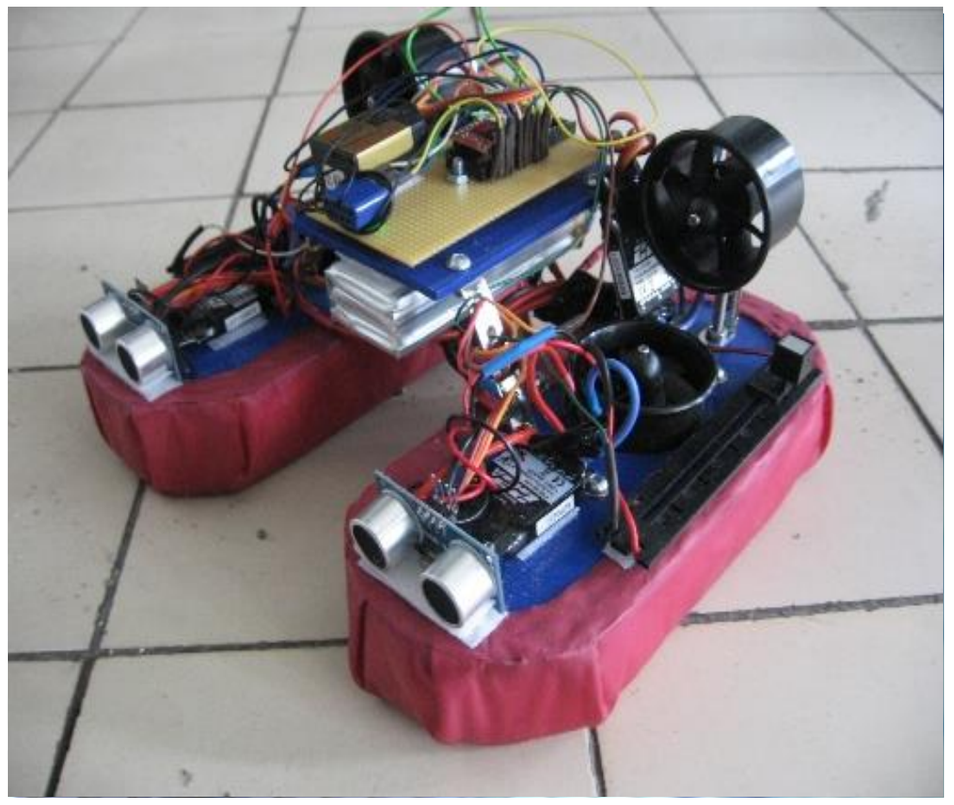
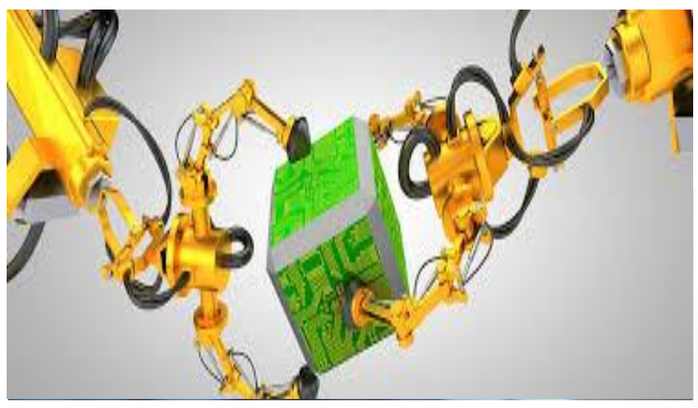
DEVELOPMENT OF MECHATRONICS SKILLS AND INNOVATIVE LEARNING METHODS FOR INDUSTRY 4.0







MAIN GOAL::

„Increase mechatronic skills with an emphasis on innovation with a link to INDUSTRY 4.0“.

THE PROJECT SPECIFIC OBJECTIVES ARE::

1. Mapping out the latest common and specific mechatronics skills needed for Industry 4.0 in thecountries represented in the partnership in the first part of the implementation period..
2. Enhance students' employability chances and relevant knowledge and competences, required by Industry 4.0 companies, through the creation of a new/improved Mechatronics 4.0 course, which will consist of (i) a new curriculum, (ii) a course support and (iii) collection of didactic video materials that will facilitate the educational process for university students.
3. Improving the learning experience for professors and students by building a specific Industry 4.0 online e-learning platform that will support VR and contain state of the art course materials like: designing circuits, interfacing systems, programming controls, etc..
4. Creating cross-sector synergies through cooperation between higher education institutions and private sector representatives, in order to close the gap between the demand and offer of qualified workforce.

PROJECT PURPOSE:

MIND project is focused on the development of mechatronics skills and innovative learning methods for Industry 4.0. With the advent of Industry 4.0 the future of learning will be dramatically different. These changes will require employees who are 4.0 specialists and possess interdisciplinary skills uniting mechatronics qualifications with IT knowledge and high levels of social competence. In order to address the employment needs in the next 5 to 10 years the Universities must prepare the students and develop interdisciplinary skills that put together mechatronics qualification with IT knowledge and higher social skills in order to create 4.0 specialists.

WHO IS THE PROJECT FOR?

- university teachers interested in modernizing the educational process with the support of digital technologies;
- students of technical departments of universities, resp. a similar or related field with an interest in new mechatronic skills, who will apply the knowledge and skills by solving tasks in the final work, respectively. works of a similar or related nature in technical fields;
- Industrial companies operating in the field of industry will gain quality graduates able to work with modern technologies in the field of mechatronics with IT knowledge and higher social skills.

Are you interested in participating on the project?

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Your MIND project team !

STU MTF

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Erasmus+

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