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## Bachelor Degree Program

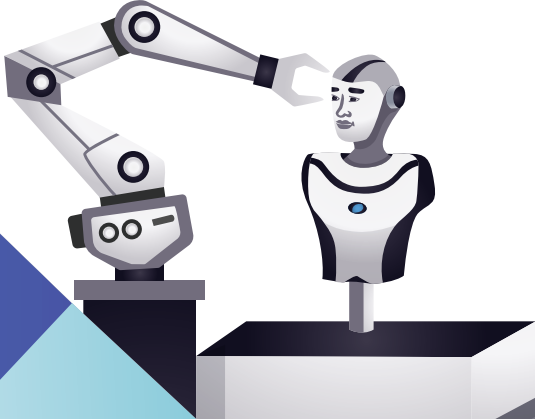
Isparta University of Applied Sciences, Faculty of Technology, Department of Mechatronics Engineering was established in 2010 within the body of Süleyman Demirel University with the letter numbered 7902 and dated 04.03.2010 by the Presidency of the Council of Higher Education.

## AIM OF THE MECHATRONICS ENGINEERING

Mechatronics engineering, which is one of the new engineering branches, aims to train creative engineers with high human values, who can bring permanent solutions to problems with their theoretical and practical knowledge, who are sensitive, intelligent, adopt ethical values, and will come to the fore with their application skills.

## LABORATORIES

- Measurement and Basic Electrical-Electronics Laboratory
- Micro-controller Laboratory
- Control and PLC Laboratory
- Hydraulic and Pneumatics Laboratory
- Computer Laboratory



## ISPARTA UNIVERSITY OF APPLIED SCIENCES ISPARTA UNIVERSITY OF APPLIED SCIENCES FACULTY OF TECHNOLOGY DEPARTMENT OF MECHATRONICS ENGINEERING



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## WHAT IS MECHATRONIC ENGINEERING?

Mechatronics, in its simplest terms; It is a branch of engineering that deals with systems consisting of machinery, electrical electronics and computer branches.

## STUDY IN MECHATRONIC ENGINEERING AREAS

- Machine vision
- Automation, robotics and servo mechanics
- Detection and control systems
- Computer-machine controls
- Expert systems
- Mechatronic systems
- Medical mechatronics and imaging systems
- Structural dynamic systems
- Computer Aided Design
- Microcontrollers / PLC
- Computer-operated advanced machinery and control systems
- Real input control systems in video games and virtual reality applications
- Mechanical, electronic systems and computer

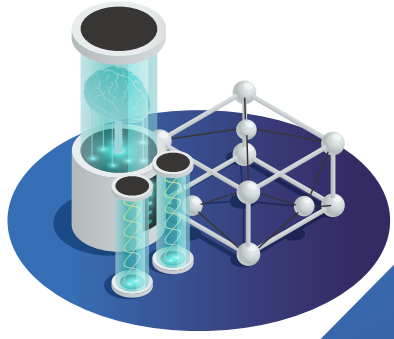
Developing new solutions to industrial problems using technology

## UNIVERSITIES WITH ERASMUS+ STUDENT EXCHANGE AGREEMENTS

- Univeristy Politenica of Bucharest (Romanya)
- University of Kosice (Slovakya)
- Todor Kableshkov Higher School of Transport (Bulgaristan)
- Transilvania University of Brasov (Romanya)

## GRADUATE EDUCATION PROGRAM

Isparta University of Applied Sciences, Faculty of Technology, Department of Mechatronics Engineering offers Master's and Doctorate Programs. Curriculumms are prepared for technological developments.



## MECHATRONIC SYSTEM

One of the features that distinguishes mechatronic systems or products from old-style electromechanical systems or products is the replacement of some mechanical functions with electronic and software functions. This provides greater flexibility in both design and operation. Another feature of mechatronics is the increase in performance speed and precision. A third advantage is its automatic data collection and reporting capability. In addition, advanced mechatronics systems are capable of distributed control in complex systems. Mechatronic systems are used in a very wide and developing field of application.

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## ACADEMIC STAFF



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