

DERHE Project Newsletter

UNIVERSITY OF EAST SARAJEVO



UES special edition
October 2026



From capacity building to practical results

The University of East Sarajevo (UES) has brought together digital infrastructure, staff development and practical learning through DERHE. This edition presents the university's contribution: a central information portal and learning platform, an equipped learning centre, training for students and businesses, and applied student projects.

RESULTS AT A GLANCE

- 10 training deliveries for businesses and the community
- 4 additional student courses
- 5 student projects + 4 theses
- 3 updated courses + 1 new master's course

Results reported in October 2026



**Co-funded by
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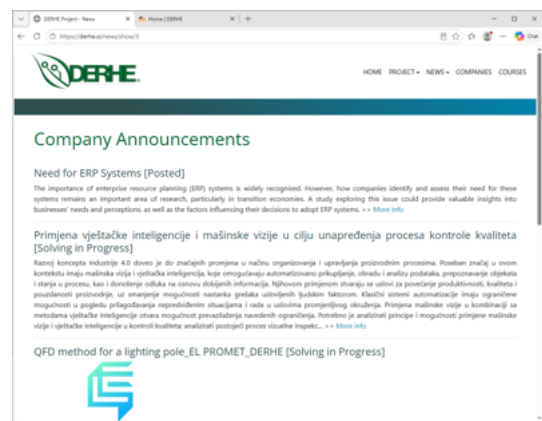
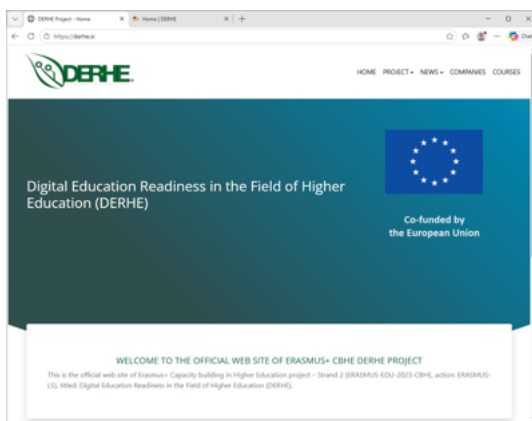
DIGITAL INFRASTRUCTURE

Connecting information, learning and industry

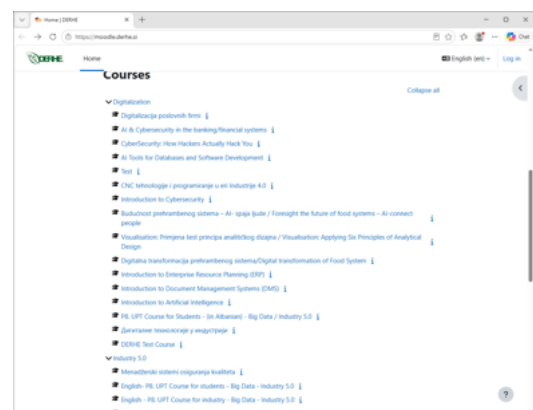
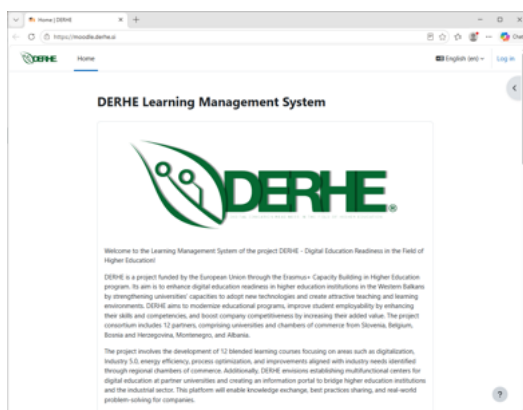
UES developed and hosts the central DERHE digital infrastructure. The Faculty of Electrical Engineering provides hosting and technical maintenance, supporting communication, learning and collaboration across the project partnership.

INFORMATION PORTAL | derhe.si

Project news, results and a university-business module where companies can propose real challenges for students to address with academic mentoring.

LEARNING PLATFORM | moodle.derhe.si

Moodle hosts materials for 12 specialised project courses and supports blended learning for students, staff and industry. Continued availability is planned beyond the project.



Learning new approaches. Bringing them into teaching.



DERHE staff training at KU Leuven, Ghent | June 2024

Ghent: digital education and project management

Training combined AR/VR demonstrations, artificial intelligence, project management and a LEAN Office workshop. Laboratory visits introduced participants to practical teaching and research environments.



Practical workshops at the University of Ljubljana | October 2024



The Ljubljana programme covered simulation, 5S, ERP, robotics, energy efficiency and production improvement. Online training complemented the visits, helping staff prepare new learning materials and courses for students and industry.

A centre built for hands-on learning



The equipped Multifunctional Learning Centre at the Faculty of Electrical Engineering

77,159.16 BAM

Total equipment investment
including VAT



The centre combines 20 All-in-One computers with a smart board, videoconferencing equipment, VR headsets, AR glasses, a 3D printer and multimedia equipment. Educational games provide additional support for practical learning and process simulations.

The equipment supports student exercises, training for industry and laboratory work, with continued use planned in regular teaching and research.

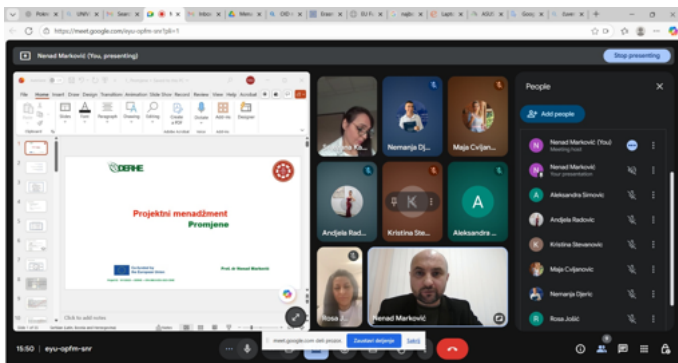
Practical skills for students and the workplace



Three programmes. Ten training deliveries.

UES developed three lifelong learning programmes: Project Management; Digital Transformation in Industry; and CNC Programming and Digital Manufacturing in the Context of Industry 4.0 and 5.0.

Ten blended training deliveries reached businesses and community groups, including iBusiness, Mofas, Digitalni ozon, Elektroinvest, Medisal and K-INEL, as well as unemployed participants in CNC training and the non-governmental sector in project management.



Four additional courses for students

Dedicated courses supported practical digital skills beyond the regular curriculum, combining online resources with hands-on activities.

STUDENT ACHIEVEMENTS

Turning knowledge into working solutions

Five practical student projects and four graduation or master's theses demonstrate the application of digital technologies to concrete problems.

5 STUDENT PROJECTS

Flower Shop | Nevena Vujić
An online shop for a florist.

Cattle Tracking | Filip Konculić
Livestock tracking and management.

Task Manager | Tanja Veselinović
Tracking organisational work tasks.

Web Shop | Nataša Vidaković
A reusable e-commerce platform.

Cardio Tracker | Danijela and Stefan Jokić
Hardware and software for heart-rate monitoring.

4 GRADUATION / MASTER'S THESES

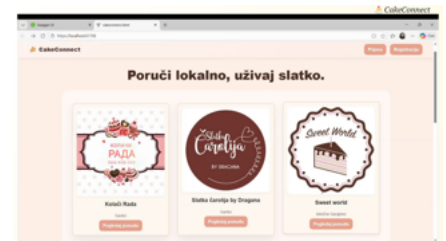
Željko Ikanović
AI-based brain tumour detection and classification.

Pavle Borčanin
An IoT platform for real-time air quality monitoring.

Miloš Ninković
An IoT system for collecting and managing soil, air and water indicator data.

Ružica Vuković
A web platform connecting customers with local cake producers.

A selection of student solutions



Actions	File	Name	Priority	Status	New Date
Import Data		File	High	Completed	2020-01-01
Example: Import tasks from CSV					
Import Notifications		File	High	Completed	2020-01-01
API Documentation		File	High	Completed	2020-01-01
Unit Tests		File	High	Completed	2020-01-01
Integration Tests		File	High	Completed	2020-01-01
Report API		File	High	Completed	2020-01-01
Group Report project		File	High	Completed	2020-01-01
Review project plan		File	High	Completed	2020-01-01
Dashboard UI		File	High	Completed	2020-01-01
Login Page		File	High	Completed	2020-01-01

Making the results part of everyday education

DERHE results extend into regular degree programmes. UES modernised three undergraduate courses and introduced a new elective master's course in Project Management.

Internet Technologies and Programming

Faculty of Electrical Engineering | Undergraduate

Programming Techniques and Methods

Faculty of Electrical Engineering | Undergraduate

Computer Control of Machine Tools

Faculty of Mechanical Engineering | Undergraduate

Project Management - new elective

Faculty of Electrical Engineering | Master's

Sharing results and sustaining cooperation

UES presented its results at the DERHE conference in Banja Luka on 15 September 2026. The platforms, centre and partner network support continued teaching, training and university-business cooperation.



A shared commitment to digital education



Digital Education Readiness in the Field of Higher Education



Stay connected

Project portal: derhe.si

Learning platform: moodle.derhe.si

Email: info@derhe.si | LinkedIn: DERHE

Project ID: 101128628 - DERHE - ERASMUS-EDU-2023-CBHE