



Date: 21-10-2026 Venue: Novi Sad, Serbia

Online Kick-off Project Meeting

Partner Introduction: Academy of Novi Sad

Branka Petrović, AASNS



SMART AGRICULTURE
TECHNOLOGY FOR VET

Erasmus+ project



Co-funded by
the European Union

Project Number: 2026-1-HR01-KA220-VET-000457530

Academy of Applied Studies Novi Sad (AASNS)

- o Institutional Structure: Established in 2026 by the Decision of the Assembly of the Autonomous Province of Vojvodina.
- o Strategic Merger: Integrated three leading state-owned higher education institutions (founded in 1952 and 1959).
- o Governance & Trust: Founder's rights are exercised directly by the Provincial Government.
- o Network Membership: Full member of the Conference of Academies of Applied Studies of Serbia (CAASS).
- o Total Capacity: About 4,000 active students and 250 employees (70% teaching staff).

Academy's Three Departments

Visoka poslovna škola
strukovnih studija Novi Sad



Visoka škola strukovnih
studija za obrazovanje
vaspitača

Visoka tehnička škola
strukovnih
studija u Novom Sadu



Project Implementation Unit

Visoka tehnička škola strukovnih studija u Novom Sadu
(Higher Education Technical School of Professional Studies in Novi Sad)

- o Project Location: All physical activities will be hosted at the VTŠNS department in Novi Sad.
- o Dedicated Capacity: Educates about 1,400 students with a focused team of 66 full-time teaching and administrative staff.
- o Regional Reach: Attracts students from Serbia and neighbouring countries due to deep historical and cultural ties.
- o Engineering Core: Specializes in Mechanical, Traffic, Electrical, IT, Graphic, and Protection engineering.

Educational Framework & EU Standards

- Bologna Compliance: All competence-based curricula are fully aligned with European educational standards.
- Academic Portfolio: Offers accredited Bachelor programmes, Master programmes, and 2 Short study programmes with 180, 120 and 30 ECTS, respectively.
- Institutional Policy: International networking and project cooperation are crucial strategic pillars.
- Credit Mobility Ready: Transparency is guaranteed through the online English VTSNS Course Catalogue.
- <https://vtsns.edu.rs/erasmus/#catalogue>

UNDERGRADUATE APPLIED STUDIES:

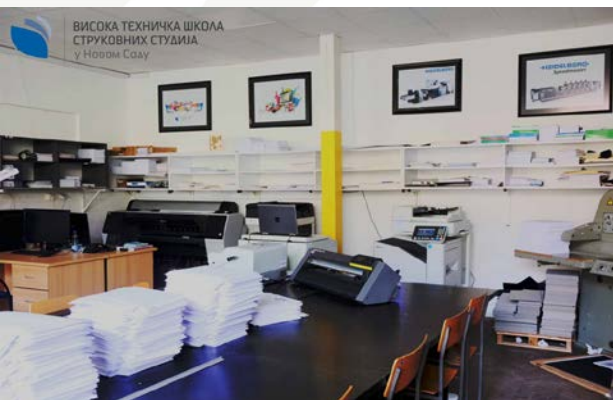
- Mechanical Engineering
- Protection Engineering
- Graphic Engineering and Design
- Web Design
- Information Technologies

MASTER APPLIED STUDIES:

- Protection Engineering
- Information Technologies

Core Expertise & Advanced Labs

- o Three Key Pillars: Deep academic and practical focus on ICT, Technical Engineering, and Environmental Science.
- o Twin Transition Integration: Digital skills and green practices are systematically embedded across all study cycles.
- o Infrastructure: Laboratories with instruments for all study programmes.
- o Industrial Synergy: Active commercial manufacturing via CNC workshop machinery and fire extinguishing foaming agents testing for external companies.

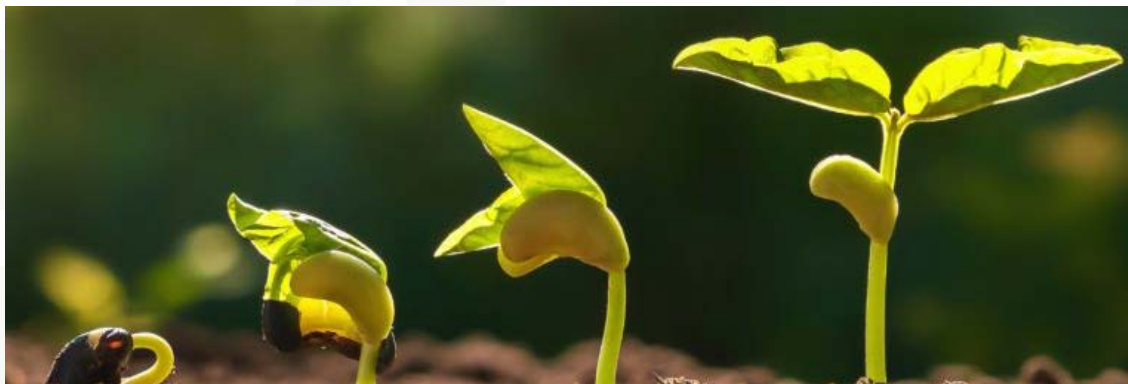


Master IT Programme Course Catalogue

No.	Course code	Course title	Field of Study	Semester	Lecture	Lab	Other Forms of Teaching	Other Hours	ECTS
1	2M19	Software engineering	Electrical and Computer Engineering, Mathematical Sciences	1	4	3			10
2	2M18	Java programming	Electrical and Computer Engineering	1	4	3			10
Elective option 1 (select 1 of 2)									
3	2M24	Applied risk modelling methods	Mechanical Engineering, Electrical and Computer Engineering	1	3	3			8
	2M25	Data acquisition and control systems	Electrical and Computer Engineering	1	3	3			8
4	2M32	Artificial intelligence algorithms	Electrical and Computer Engineering	2	3	2			8
5	2M20	Advanced web programming	Electrical and Computer Engineering, Mathematical Sciences	2	4	2			8
6	2M21	Functional programming	Electrical and Computer Engineering, Mathematical Sciences	2	4	2			8
7	2M28	Professional master practice 1	Electrical and Computer Engineering	2				6/0	4
Elective option 2 (select 1 of 2)									
8	2M35	Business ethics	Cultural Studies and Communications, Industrial Engineering and Engineering Management	2	2	1			4
	2M36	Modern methods of education	Cultural Studies and Communications, Applied Arts and Design	2	2	1			4
9	2M22	Mobile application development	Electrical and Computer Engineering	3	4	3			8
10	2M23	Advanced database concepts	Electrical and Computer Engineering	3	4	2			8
Elective option 3 (select 1 of 2)									
11	2M26	Software methods of experimental modelling	Electrical and Computer Engineering, Mechanical Engineering	3	4	3			8
	2M27	CAD/CAE/CAM and CIM systems	Mechanical Engineering	3	4	3			8
12	2M29	Professional master practice 2	Electrical and Computer Engineering	4				6/0	4
13	2M30	Preliminary master thesis	Electrical and Computer Engineering	4				0/20	16
14	2M31	Master thesis	Electrical and Computer Engineering	4				4/0	16

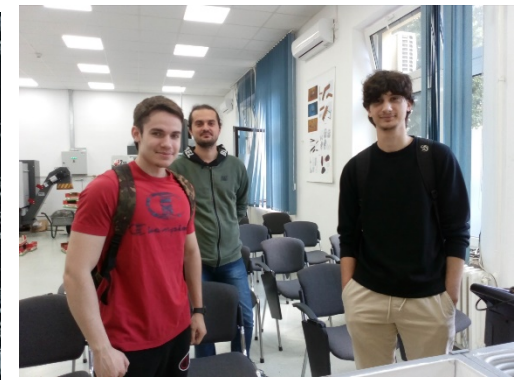
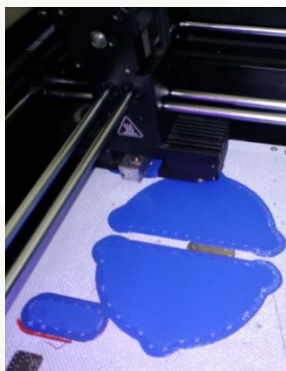
Regional Development & Eco-Activism

- o Community Engagement: Deeply committed to environmental protection through regular ecological clean-up campaigns along the Danube River.
- o Provincial Funding: Proven track record in successful grant schemes funded by the Provincial Secretariat for Higher Education.
- o Eco-Innovation Example: Successfully implemented the sustainable agriculture project 'Systematization and influence of electric field parameters on seed germination of agricultural plants' (Sistematizacija i uticaj parametara električnog polja na klijavost semena poljoprivrednih biljaka).



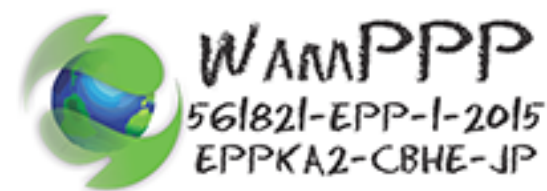
Student Engagement & Mentorship Ecosystem

- o Tangible Outputs: Students previously co-designed and fully developed a 'Smart Classroom' under teacher mentorship.
- o Technical Support Roles: Enrolling students in project logistics, webinar technical support, and multimedia/video production.
- o Internship Integration: Student project engagement is officially recognized as part of their school-based internship programme.
- o Peer-to-Peer Transfer: Fostering a dynamic ecosystem combining teacher mentorship with student conference presentations.



Erasmus+ Experience

- o AgriTech4VET is the fifth KA2 project for VTŠNS staff.
- o Operational Readiness: Utilizing established project management frameworks, proven dissemination networks, and strict quality assurance methodologies.
- o Risk Mitigation: Ensuring smooth execution, proactive risk management, and long-term sustainability based on previous best practices.



Waste Management Curricula Development
in Partnership with Public and Private Sector



Co-funded by the
Erasmus+ Programme
of the European Union

Knowledge FOr Resilient soCiEty

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of the European Union



Smart home models in VET

Key Project Staff

- o Dr Branko Savić – Led VTŠNS project teams across all past international Erasmus+ initiatives. Expert in robotics, automation, VET internships, blended learning and dual education.
- o Branka Petrović – Project Developer & Coordinator, experienced in managing international events, LLL courses, and dissemination networks.
- o Ninoslava Tihi – ICT & Platforms Lead, PhD Candidate in Data Science (Smart Agriculture), MSc in Computer Science. Teaches ICT courses and supervises student internships in regional tech companies. Administrator of the VTŠNS Moodle online learning platform.
- o Technical Pool: Backed by an administrative and teaching support team of 15 people tailored to suit specific Work Package needs.



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Thank you for your attention

Academy Website: www.assns.edu.rs
Department Website: www.vtsns.edu.rs

Contact info about the presenter:
Branka Petrović, petrovic.b@vtsns.edu.rs

