TKAEDiTE

TRANINIGS

Transforming the Kosovo and Albanian Education System by Introducing Digital Technology in Teacher Education

September 17, 2025

TKAEDiTE Workshop on Implementing Kosovo DigCompEdu Successfully Held

On September 23, the TKAEDiTE Consortium successfully organized a workshop on the implementation of the Kosovo DigCompEdu Framework, hosted by the University of Prishtina. Titled "Transforming the Kosovo and Albanian Education System by Introducing Digital Technology in Teacher Education," the event brought together academics, policymakers, and international experts to discuss strategies for strengthening digital competence in teacher education.

The workshop opened with welcoming remarks by Prof. Blerim Saqipi, followed by expert presentations on digital competence in education delivered by Krenare Pireva Nuci (University of Prishtina), Ali Shariq Imran and Deepti Mishra (NTNU), Fisnik Dalipi (Linnaeus University),

and Jari Laru (University of Oulu).

Representatives from the Ministry of Education, Science, Technology and Innovation of Kosovo, including Shqipe Bruqi and Habibe Buzuku, presented national frameworks and training modules aimed at enhancing teachers' professional development. Updates on Albania's current context were shared by Nelda Kote and Blerina Vika from the University of Tirana and the Polytechnic University of Tirana.

The afternoon sessions highlighted practical use cases presented by Arber Hoti and Kyvete Shatri (University of Prishtina), Bertan Karahoda (UBT), and Kosovare Uka and Albena Hasolli (KCDE). The workshop concluded with interactive group brainstorming sessions focused on developing a conceptual model for implementing Kosovo DigCompEdu, followed by final discussions and roadmap planning.

Training University teachers for installed equipment

Capacity-Building Trainings under the NTNU-Led Work Package

As part of the Work Package led by NTNU, three targeted training sessions were successfully organized to strengthen the technological and pedagogical capacities of educational staff. These trainings focused on the effective use of newly installed equipment within the EdTECH Studio and the STEAM Lab, supporting innovative teaching and learning practices.

Training on Humanoid Robots – Pepper

Held on April 29, 2025, at the Faculty of Education, this training introduced participants to the use and configuration of Pepper humanoid robots. The program combined technological and pedagogical perspectives, including an overview of the SAMR pedagogical model, the development of practical use cases utilizing the robots' speech, sensor, and movement capabilities, and the co-creation of interactive learning projects with participants.

Training on the EdTECH Studio

On April 30, 2025, a dedicated training session was conducted on the use of the EdTECH Studio for the creation of digital learning materials. Participants explored the studio's full potential for developing and digitalizing educational content, with hands-on activities focused on video creation and editing using the Clipchamp platform. The EdTECH Studio supports a wide range of outputs aligned with Open Educational Resources (OER) initiatives, including online and live-streamed lectures, offline content, interactive learning materials, audiobooks, and educational digital games.

These training activities represent an important step toward enhancing educators' digital competencies and integrating innovative, technology-enhanced approaches into teaching and learning. The initiative contributes to the development of open, interactive, and high-quality educational content for the wider educational community in Kosovo.

Successful Completion of the TKAEDITE Training Program for the Prishtina Group

January 25, 2025

As part of the EU-funded TKAEDiTE project at the University of Prishtina, the KCDE successfully delivered its 7th training session in Prizren, bringing together a committed group of educators dedicated to advancing digital teaching practices.

This session focused on strengthening teachers' competencies in using advanced Moodle features, with the aim of enabling participants to design high-quality learning materials and effective assessment tools for their courses.

Training topics included:

- Core principles of quiz creation for engaging and interactive assessment

- Task creation and management within Moodle

- Designing effective multiple-choice tests

- Applying a variety of assessment methods, including quizzes and rubrics

- Developing open-ended and closed question formats to support critical thinking

- Creating structured and visually engaging Moodle course pages

- Designing interactive presentations to enhance lesson delivery

The session featured a highly interactive approach, combining hands-on exercises with live demonstrations that allowed participants to apply new skills in real time. Feedback from attendees highlighted the training's clarity, practicality, and immediate relevance to classroom and online teaching.

This training represents another important milestone in empowering educators to fully leverage digital learning platforms. It also aligns with the EU Digital Competence Framework for Educators (DigCompEdu), supporting participants in meeting European standards for digital education excellence.

7th training by KCDE at the University "Ukshin Hoti" Prizren

November 30, 2024

Within the framework of the EU-funded TKAE-DiTE project at the University of Prishtina, KCDE successfully conducted its seventh training session in Prizren, engaging a motivated group of teachers committed to strengthening their digital teaching skills.

The session was dedicated to enhancing educators' capacity to use advanced Moodle functionalities, empowering participants to design effective learning content and robust assessment tools for their courses.

Key areas of focus included:

- Exploring the core features of quiz creation to develop engaging and interactive assessments

- Structuring and managing tasks in Moodle

- Designing effective multiple-choice tests

- Applying a range of assessment methods, including quizzes and rubrics, to support diverse learning needs

- Using open-ended and closed question formats to promote critical thinking and knowledge retention

- Creating clear and visually appealing Moodle course pages

- Developing interactive presentations to enhance teaching and learning experiences

The training followed an interactive, hands-on approach, combining practical exercises with live demonstrations that enabled participants to immediately apply newly acquired skills. Attendees highlighted the session's clarity, relevance, and practical value for their everyday teaching practice.

This training represents another important step in equipping educators with the competencies needed to fully utilize online learning platforms. It is also aligned with the EU Digital Competence Framework for Educators (Dig-CompEdu), supporting participants in meeting European standards in digital education.

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STE(A)M Days in Albania

STE(A)M Education Event | TKAEDiTE Project

On 8 November 2024, a major STE(A)M-focused event was successfully organized within the framework of the TKAEDiTE project (Transforming the Kosovo and Albanian Education System by Introducing Digital Technology in Teacher Education). Hosted at the University of Tirana and the Polytechnic University of Tirana, the event brought together K1–9 teachers for a full day of innovative learning and collaboration in STE(A)M education.

The day began at the Faculty of Economy, University of Tirana, where EU partners and participants were warmly welcomed. Opening remarks set the tone for the programme, followed by a meeting with Professor Bernard Dosti, Dean of the Faculty of Economy, who guided participants on a tour of the facilities, highlighting opportunities for interdisciplinary collaboration.

Later in the morning, activities continued at the Faculty of Information Technology at the Polytechnic University of Tirana. Participants were welcomed by Professor Elinda Kajo Meçe, Dean of the Faculty, who hosted an engaging session and introduced the institution's technological infrastructure and its role in contemporary education.

Following a lunch break, the afternoon programme resumed with participant registration and a series of hands-on workshops focused on ad-

vancing STEM teaching methodologies.

- Professor Jari Laru and Professor Iiris Kivioja from the University of Oulu led the workshop "Enhancing STE(A)M Teaching," presenting innovative and effective approaches to STEM instruction.

- This was followed by the workshop "Inclusive STEM," delivered by Professor Mexhid Ferati and Professor Fisnik Dalipi from Linnaeus University. The session addressed the Universal Design for Learning (UDL) framework, inclusive STEM curricula, and the development of accessible learning materials, emphasizing equity and inclusion in STEM education.

The event concluded with a wrap-up discussion, allowing participants to reflect on key insights and explore practical classroom applications. The day marked an important step in strengthening teachers' capacity to foster engaging, inclusive, and future-oriented STE(A)M education.

On the same day, Katarina Rönndahl from Linnaeus University facilitated a roundtable discussion with financial officers from the University of Tirana and the Polytechnic University of Tirana, further supporting institutional collaboration within the TKAEDiTE project.

of Tirana, engaging them in discussions and gaining practical insights from the LNU perspective.

STEM Competition Sparks Innovation Among Pupils!

November 8, 2024

Training from TKAEDiTE partners from the University in Finland

Students from participating schools across Pristina took part in a dynamic STEM competition led by our partners from the University of Oulu, Finland. The event showcased the transformative power of Science, Technology, Engineering, and Mathematics, encouraging students to address real-world challenges through creativity, teamwork, and innovation.

Through hands-on activities—including coding, robotics, design thinking, and engineering challenges—students explored STEM in an engaging and practical way, fostering curiosity, problem-solving skills, and critical thinking. The competition provided an opportunity not only to learn, but also to discover new interests and recognize the potential of digital tools in shaping a sustainable and innovative future.

This initiative reflects our ongoing commitment to empowering the next generation of changemakers. By encouraging students and young professionals to explore the expanding world of STEM—enhanced by cutting-edge technologies—we help nurture the innovators of tomorrow, ready to imagine, create, and lead the future forward.

2nd Day of Workshops as part of STEAM Activities

November 6, 2024

The second day of the STEAM workshops is dedicated to K1–12 educators, with a strong focus on promoting inclusivity in STE(A)M education. Designed to strengthen teaching practices, the sessions support educators in addressing diverse learning needs through inclusive and accessible approaches.

The programme begins with contributions from the Linnaeus University (LNU) team, who present key concepts in universal design and accessibility, highlighting the importance of adapting teaching strategies for all learners. Teachers then collaborate on the development of inclusive curricula, applying digital tools to identify, assess, and address accessibility challenges in educational settings. The day concludes with a comprehensive wrap-up session at 1:00 PM, reinforcing key takeaways and providing resources for continued professional development.

In parallel, K1–12 teachers gather at the University of Prizren for a series of hands-on workshops led by the University of Oulu team, including Professor Jari Laru and Professor Iiris Kivioja. These sessions emphasize the practical application of STE(A)M methodologies in classroom practice.

The workshops open with foundational training in graphical programming using mBots and 3D modeling, followed by an in-depth introduction to the "Generation AI" project, funded by Finland's Strategic Research Council. Participants explore teachable machine tools and learn how to integrate AI-enhanced learning into their teaching practice. The programme concludes at 2:30 PM with a reflective discussion, offering participants the opportunity to share insights and consolidate learning outcomes.

As an integral part of the TKAEDiTE initiative, these workshops contribute to strengthening the educational ecosystem by equipping educators with the skills and knowledge required for a digitally enriched, inclusive, and future-ready learning environment.

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TKAEDiTE Workshops | Advancing Digital and Inclusive Education

November 5, 2024

On Novmeber 5th 2024, the University of Prishtina hosted two impactful educational workshops within the framework of the TKAEDiTE project (Transforming the Kosovo and Albanian Education System by Introducing Digital Technology in Teacher Education). These activities reflect a shared commitment to modernizing teaching and learning through the effective integration of digital tools, contributing to meaningful educational reform in the region.

At the Faculty of Education's STEAM Lab, a STEAM workshop for K1–9 pupils is taking place, offering students an immersive and hands-on learning experience. Facilitated by the expert team from the University of Oulu, the workshop begins with introductory activities, followed by group-based work aligned with clearly defined learning objectives.

The central challenge invites pupils to design an innovative tool that promotes reading among children, incorporating 3D modeling and 3D printing technologies. Through guided brainstorming and prototype development, students strengthen their creativity, collaboration, and problem-solving skills. The workshop concludes at 1:00 PM with student presentations, providing an opportunity for peer exchange and constructive feedback in a collaborative learning environment.

In parallel, a dedicated workshop for K1–12 educators focuses on advancing inclusive STEAM education. Led by the Linnaeus University (LNU) team, the sessions emphasize universal design and accessibility, highlighting the importance of adapting teaching practices to meet diverse learner needs. Educators then engage in collaborative curriculum design, applying inclusive approaches and digital tools to identify and address accessibility challenges. The programme concludes with a wrap-up session at 1:00 PM, reinforcing key insights and supporting educators' continued professional development.

Together, these workshops underscore the TKAEDiTE project's mission to empower both learners and educators with the skills, knowledge, and tools required for a digitally enriched, inclusive, and future-ready education system.

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6th Training session of teachers at the University "Ukshin Hoti" Prizren

November 2, 2024

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As part of the EU-funded TKAEDiTE project at the University of Prishtina, KCDE successfully delivered its sixth training session in Prizren, engaging a committed group of educators.

The session focused on developing essential digital competencies for creating online pages, assignments, and open educational resources (OER). Through practical guidance and hands-on activities, participants were empowered to design accessible, high-quality learning materials that support diverse student needs.

Aligned with the EU Digital Competence Framework for Educators (DigCompEdu), the training equips teachers with the skills required to meet European standards in digital education, reinforcing their capacity to deliver innovative and inclusive teaching in digital learning environments.

TKAEDiTE Project Workshops | Linnaeus University, Sweden

October 26, 2024

From 14–17 October, the Department of Informatics at Linnaeus University hosted a series of workshops and academic activities within the framework of the TKAEDiTE project. The programme brought together project partners for an intensive exchange of knowledge, combining lectures, workshops, discussions, and study visits to AV-Media, Lillestadskolan in Växjö, and Falkenbergskolan in Kalmar.

The programme at the Växjö campus began on 15 October with a presentation by Professor Ali Hamidi, focusing on computational thinking in Swedish schools. This was followed by insights from Professor Marcelo Milrad on the EXTENDT project, highlighting the role of design thinking and computational thinking in education.

On 16 October, the sessions continued with a presentation by Professor Mexhid Ferati on STEM education, followed by a talk from Professor Johanna Velander addressing the role of artificial intelligence in schools. The day concluded with a presentation by Professor Italo Masiello on teacher education and training, as well as a project management meeting to review progress and ongoing developments within the initiative.

The final day, held in Kalmar, featured an in-depth discussion led by Professor Lars Magnusson on the relationship between information security, GDPR, and educational data, followed by a presentation by Professor Brian Kottonya. The visit concluded with a study visit to Falkenbergskolan, offering participants the opportunity to explore innovative and future-oriented learning environments.

The TKAEDiTE project brings together a strong consortium of European partners, including Linnaeus University, the Norwegian University of Science and Technology (NTNU), the University of Oulu, the University of Prishtina, the University of Tirana, the Ministry of Education, Science, Technology and Innovation of the Republic of Kosovo, the University of Prizren "Ukshin Hoti", UBT – University for Business and Technology, and the Polytechnic University of Tirana.

The initiative aims to support learners and educators in Kosovo and Albania in their journey toward digital transformation across the education system, with a particular focus on strengthening the digital competencies of K–12 teachers through targeted training programmes and general courses.

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TKAEDiTE Project | 6th Training Session with a Group of Dedicated Teachers

January 24, 2025

Today, within the framework of the EU-funded TKAEDiTE project at the University of Prishtina, KDCE is continuing its sixth training session, engaging a motivated group of educators from 14 schools across the Prishtina region.

The session focuses on strengthening core digital skills for creating online pages, assignments, and open educational resources (OER), enabling teachers to develop accessible, high-quality learning materials that support diverse student needs.

Aligned with the EU Digital Competence Framework for Educators (DigCompEdu), this training equips participants with the competencies required to meet European standards in digital education, further supporting innovation and excellence in teaching and learning.

Workshop on Open Learning Resources (OLR)

9 October 2024

As part of the scheduled activities of the TKAEDiTE project, the Workshop on the Concept of Open Learning Resources (OLR) was successfully organized by UBT – University for Business and Technology.

The workshop was officially opened by UBT Rector, Professor Edmond Hajrizi, who highlighted the strategic importance of open learning resources in advancing accessible and high-quality education.

The programme continued with keynote presentations from Atif Basani of the Kosovo Research and Education Network (KREN), alongside Professor Nelda Kote and Professor Romina Muka from UPT, Albania. Their contributions provided valuable insights into national initiatives and ongoing research related to OLR development in Kosovo and Albania.

KREN's presentation showcased its role in supporting educational institutions through advanced digital infrastructure and services. Participants were introduced to KREN's hy-brid cloud system, powered by Azure Stack Hub, featuring scalable computing and storage capabilities, enhanced in 2023 with upgraded VMware infrastructure to ensure high availability, integration with Microsoft Azure, and strong data security.

The workshop then expanded to the international OLR landscape, featuring presentations by Professor Jari Laru (University of Oulu, Finland), Professor Ali Shariq Imran (NTNU, Norway), and Professor Fisnik Dalipi (Linnaeus University, Sweden). This session highlighted global best practices and international perspectives on OLR, culminating in the presentation of the first draft of Kosovo's OLR framework by Veprim Morina.

In the second part of the workshop, participants engaged in interactive sessions and group work focused on key phases of OLR development. These collaborative activities supported the refinement and conceptualization of Kosovo's OLR, fostering shared understanding and generating actionable insights to guide the project's next steps.

Training Program Launch | Enhancing Digital Competence for Teachers

June 27, 2024

The Faculty of Education at the University of Prishtina welcomed KCDE for a strategic meeting to finalize the preparations for a training program aimed at enhancing the digital competence of 60 teachers.

Developed by the Kosova Center for Digital Education (KCDE), the program, titled "Online Teaching at the Right Level," is officially approved by the State Council for Licensing of Teachers. Comprising 35 hours of professional development, it is designed to equip educators with the digital skills necessary for modern teaching, fostering continuous improvement in instructional practices that contribute to long-term student growth and development.

As part of the TKAEDiTE project, the training will be delivered through a blended model, combining in-person and online sessions. In Prishtina, sessions will be hosted at the Faculty of Education, while in Prizren, the program will take place at the ITP center. The initiative is supported by the Ministry of Education, Science, Technology and Innovation, the Ministry of Economy, and KREN leadership, ensuring comprehensive guidance and technical support for participants.

This training marks a significant step toward strengthening digital competencies among educators and advancing innovative, technology-enhanced teaching practices across Kosovo.

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Establishing and Updating ICT Syllabuses in Pre-University Classes | TKAEDiTE Project

June 27, 2024

Co-funded by the
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As part of the TKAEDiTE project, a key initiative was held in June 2024 that focuses on establishing and updating ICT syllabuses for pre-university education, ensuring that students acquire the digital skills required for the 21st century. This effort aims to modernize the curriculum across primary and secondary schools, aligning learning outcomes with European standards and best practices in digital education.

The project emphasizes relevance, accessibility, and innovation, integrating emerging technologies, computational thinking, and practical ICT applications into classroom instruction. Teachers are actively involved in this process through collaborative workshops, where they review existing syllabuses, identify gaps, and develop updated content that reflects current technological trends and pedagogical approaches.

By updating ICT syllabuses, the TKAEDiTE project ensures that students are not only proficient in digital tools but also equipped with critical thinking, problem-solving, and digital literacy skills necessary for lifelong learning. This initiative strengthens teacher capacity, promotes inclusive education, and prepares learners to thrive in an increasingly digital and interconnected world.

The updated syllabuses will serve as a foundation for continuous professional development, enabling educators to deliver engaging, future-ready ICT instruction and support the digital transformation of Kosovo and Albanian education systems.

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Workshop on Designing the Education Technology Bachelor Program

February 21, 2024

The Faculty of Education at the University of Prishtina hosted a workshop to design the new Bachelor Program in Education Technology, bringing together academic experts and stakeholders to shape the future of digital education in Kosovo.

The following series of interactive and informative sessions were completed:

- Introduction and Agenda Overview – University of Prishtina

- Welcome Address – Dean of the Faculty of Education, University of Prishtina

- Overview of Bachelor Program Regulations – Kosovo Accreditation Agency (KAA)
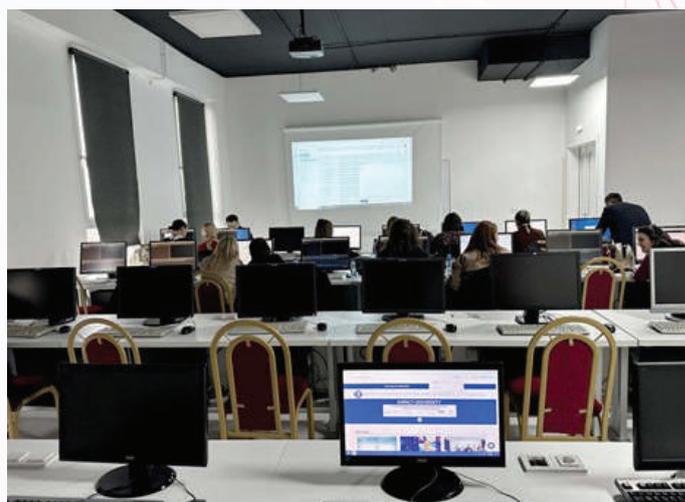
International Perspectives:

- Education Technology Bachelor Model – Linnaeus University, Sweden

- Education Technology Bachelor Model – NTNU, Norway

- Education Technology Bachelor Model – Oulu University, Finland

- Proposed Curriculum for Education Technology – University of Prishtina

- Graduate Perspective – Insights from potential program outcomes

- Working Groups and Topic Assignments – University of Prishtina

This collaborative workshop aims to integrate international best practices, foster innovative curriculum design, and ensure that the new Education Technology Bachelor Program equips future educators with the skills and knowledge needed to thrive in a digitally enriched educational environment.

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Second Training Day | TKAEDiTE Project

As part of the TKAEDiTE project, the University of Prishtina (UP), in collaboration with KCDE, hosted the second day of teacher training at the UBT campus in Lipjan.

Teachers from "Elena Gjika," "Shkolla e Gjelbër," "Emin Duraku," "Naim Frashëri," and "Meto Bajraktari" schools participated in this hands-on session, supported by academic staff from UPz and UBT.

The training focused on practical STEM applications in the classroom, including:

- Video Editing Tools – facilitated by UPz, empowering teachers to create engaging multimedia content

- Integrated Circuits & Robotics – led by UBT, introducing hands-on activities to enrich STEM learning

This initiative strengthened teachers' capacity to apply innovative technologies and develop interactive STEM lessons, enhancing both teaching skills and student engagement in science, technology, engineering, and mathematics.

Participants experienced creative, tech-driven approaches to teaching and learning, marking a significant step in the TKAEDiTE project's mission to advance digital and STEM education.

#STEM #Education #Innovation #Technology #Science #DigitalLearning

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Workshop on Establishing and Updating ICT Syllabuses in Pre-University Classe

June 27, 2023

The Faculty of Education in Prishtina hosted a key workshop on establishing new ICT syllabuses and updating existing ones for pre-university classes, as part of the TKAEDiTE project. Organized by Oulu University, the event brought together educators, ICT experts, and academic representatives to collaboratively enhance ICT education in Kosovo and Albania.

The workshop included:

- Presentations on existing ICT curricula in Kosovo by representatives from University of Prishtina (UP), University of Haxhi Zeka (UHU), and University for Business and Technology (UBT), highlighting strengths and identifying areas for improvement.

- Insights from Albania, presented by representatives from University of Tirana (UT) and Polytechnic University of Tirana (UPT), sharing their ICT educational strategies and approaches.

- An international perspective from Oulu University, Finland, showcasing Finland's renowned ICT education model as inspiration for potential curriculum enhancements.

Participants worked in groups to analyze a shared document on ICT competences, comparing and reflecting on the ICT learning paths of Kosovo, Albania, and EU partner countries. After lunch, Oulu led a session on aligning Kosovo and Albania's ICT competences with European standards, promoting harmonization with broader EU practices.

The day concluded with group presentations, where participants shared insights and recommendations, followed by closing remarks summarizing the workshop's achievements and outlining the next steps.

This workshop marked a major step in modernizing ICT education, equipping teachers with the tools and strategies to deliver a future-ready digital curriculum for pre-university learners.