



TKAEDITE

# OVERVIEW

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



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

## **Project Title:**

Transforming the Kosovo and Albanian Education System by introducing Digital Technology in Teacher Education (Project 101082862 – UP)

Duration:

June 2023 – May 2026

## **Project aim:**

The project aims to support the learners and educators in Kosovo and Albania in the path to digital transformation within the whole Education System chain, focusing on strengthening the digital competencies through a specific programme and across general courses.

Project objectives:

- Modernize the learning path of IT-related subjects in the Core Curriculum of pre-university studies in Kosovo and Albania, including the analysis of ICT competencies in the horizontal subjects.
- Establish a task force of Education Technologists for transforming the education processes.
- Create open learning resources for specific subjects and offer them through the national eLearning repository.
- Train the IT teachers in new digital competences.
- Modernize existing education programmes in Kosovo and Albania through the establishment of a new Education Technology Bachelor program in the Faculty of Education (UP).



## **Project Coordinator**

University of Prishtina

<https://uni-pr.edu/>

## **EU Partners**

1. Norwegian University of Science and Technology

a. <https://www.ntnu.edu>

2. Linnaeus University

a. <https://lnu.se/en/>

3. University of OULU

a. <https://www oulu.fi/en>

## **Local and Regional Partners**

1. Ministry of Education, Science, Technology and Innovation

a. <https://masht.rks-gov.net/>

2. Kosovo Accreditation Agency

a. <https://akreditimi.rks-gov.net>

3. Polytechnic University of Tirana

a. <https://upt.edu.al>

4. University of Tirana

a. <https://unitir.edu.al>

5. University of Prizren

a. <https://uni-prizren.com>

6. UBT College

a. <https://www.ubt-uni.net>

7. Meso Online

a. <https://kcde-ks.org>



## **Krenare Pireva Nuci - UP** **Project Coordinator**

Dr. Krenare Pireva Nuci is a full-time Professor in the Faculty Education, University of Prishtina. She holds a PhD and Master degree in Computer Science, from University of Sheffield. And her main interests rely in the Artificial Intelligence domain, and especially the applied techniques of AI in the education domain. She has participated and published a number of research papers in collaboration with a number of Universities nationally and internationally (including colleagues from UP, LNU and NTNU). Lately she is certified in IPMA International Project Management Association, Level D. Lately, Krenare has coordinated a funding project from the Ministry

of Education, Science, Technology and Innovation (onlineclasses.cloud) in collaboration with UP and KAA for analysing the switching process of in-campus classes into online classes during the pandemics. Also during the COVID-19, Dr Pireva has volunteered to completely digitalise one primary school (Elena Gjika, partners in this project), by creating and publishing a school website, initiating a collaboration with Google Education, and opening 3k emails for teachers and pupils. Additionally, a number of training hours has been offered so all the actors could use and utilise the new digital services and the education process is kept running.



## Fisnik Dalipi - LNU

Dr. Ali Shariq Imran, a distinguished academic in the field of Computer Science, received his master's degree in Software Engineering and Computing from the National University of Science and Technology (NUST), Pakistan, in 2008, and a Ph.D. in Computer Science from the University of Oslo (UiO), Norway, in 2013. He is currently an Associate Professor at the Department of Computer Science (IDI) at NTNU, Norway. With over 15 years of teaching and research experience, he has been instrumental in devising innovative ways to design effective multimedia learning objects and integrate the teaching-research nexus frameworks at the graduate level. His significant role as a commission member of the Ministry of Education of Macedonia in setting up Mother Theresa University in Skopje, demonstrates his commitment to shaping educational institutions.

He also leads the capacity-building project CONNECT (<https://norpart-connect.com>), funded by the Higher Education Commission of Norway, DIKU, under the NORPART scheme.

Additionally, he serves as project manager for two Erasmus+ KA2 projects (RAPID and TKAEDITE) at NTNU, and as a coordinator for an Excited mini-project funded by NTNU. Dr. Ali is also leading a research group on Deep NLP (<http://deep-nlp.net>) and specializes in applied deep learning research to address various multimodal media analysis application areas for audio-visual and text processing.

Currently, he is actively involved in developing RAG-based educational platforms that utilize large language models. His research work expands on the horizon of effectively employing foundation models for content creation, deployment, search and retrieval, automatic assessment and feedback systems build on RAG and LLMs for higher education.

He has co-authored over 150 peer-reviewed journal articles and conference publications, and has served as an editor and reviewer for numerous reputable journals. He is a member of the Intelligent Systems and Analytics research group at NTNU and an IEEE/ACM Member.



## Ali Shariq Imran - NTNU

Dr. Ali Shariq Imran, a distinguished academic in the field of Computer Science, received his master's degree in Software Engineering and Computing from the National University of Science and Technology (NUST), Pakistan, in 2008, and a Ph.D. in Computer Science from the University of Oslo (UiO), Norway, in 2013. He is currently an Associate Professor at the Department of Computer Science (IDI) at NTNU, Norway. With over 15 years of teaching and research experience, he has been instrumental in devising innovative ways to design effective multimedia learning objects and integrate the teaching-research nexus frameworks at the graduate level. His significant role as a commission member of the Ministry of Education of Macedonia in setting up Mother Theresa University in Skopje, demonstrates his commitment to shaping educational institutions.

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## Jari Laru - UO

Dr. Jari Laru is senior lecturer at the faculty of education in the university Oulu, Finland. He is member of the learning and educational technology research unit (LET), which has focus on multidisciplinary research in the area of social, cognitive and motivational processes of Learning. His research interests include computational thinking, digital fabrication and maker education, collaborative learning, self regulated learning and emergent technologies in the education. He has done his dissertation in the field of “mobile

learning” in 2012 (scaffolding learning activities with mobile devices and collaborative scripts).

Dr. Laru is responsible lecturer in the ICT related courses in the teacher education and has also courses in international master’s programme (e.g. emergent learning technologies; learning environments & technologies)

He won national open science award 2020. It was awarded in the honor of the instructional activities in the academic contexts.



## **Nelda Kote - UPT**

Nelda Kote, PhD, is a full-time lecturer at Faculty of Information Technology, Polytechnic University of Tirana. Kote worked for 4 years as an Information Technology expert at the Agency for Research, Technology and Innovation (Tirana, Albania) where she had the possibility to participate in different European Research Projects under FP7 and Horizon2020.

She holds a PhD degree since 2021 at Faculty of Information Technology, Polytechnic University of Tirana working in the field of Artificial Intelligence and Natural Language Processing.

Her research interests focus mainly on Artificial

Intelligence, Machine Learning, Natural Language Processing, Sentiment Analysis and other similar fields. She has participated in several international projects including TEMPUS, FP7, HORIZON 2020, Erasmus+ KA 1, Erasmus+ KA2, Erasmus Mundus, COST and national research projects sponsored by the Ministry of Education. She was the project manager of the national project “Artificial Intelligence Methods for the Albanian Language Preprocessing” funded by NASRI.

She has published papers in national and international journals and conferences.



## **Romina Muka - UT**

Dr. Romina Muka is a Lecturer in University of Tirana, Faculty of Economy, Department of Statistics and Applied Informatics, Albania, since 2015. She is also a PhD Candidate in Norwegian University of Science and Technology, Department of Information Security and Communication Technology, Norway. Her current research interest is focused in optimal deployment of sensors and controllers for the operation of the smart distribution grid. She is the author of several scientific articles in the area of

Smart Grid, Information Systems and Information Security.

Romina has been a guest lecturer in several international universities in Europe, and has been the contact person and working on different projects funded by Erasmus+, Horizon2020, Interreg IPA BCC, Ministry of Science and Education in Albania, and Industry. She has also been part of the staff organizing the Annual International Conference "Information Systems and Technology Innovations" for 7 years in a row.



## Arsim Susuri - UPZ

Arsim Susuri received his PhD, in 2017, in Computer Science, Faculty of Contemporary Sciences and Technologies, South East University of Europe, Tetovo, North Macedonia.

Arsim Susuri is an Assistant Professor at the University of Prizren. He lectures in the following subjects:

- Operating Systems, Introduction to Networking, Cloud
- Computing, Artificial Intelligence (undergraduate level courses);
- Advanced Artificial Intelligence, Cloud Computing, Wireless

- Sensor Networks (graduate level courses).

Professor Arsim has supervisory experience in both levels (undergraduate and graduate) with more than 40 students being supervised.

Research interests of Professor Arsim are in the area of Machine Learning, Real Time Systems, Dark Web, etc.

Professor Arsim is currently involved with an ERASMUS+ Programme project, PHDICTKES (as university coordinator), and also a member of HORIZON 2020 Programme project, called SMART4ALL.



## **Elinda Krasniqi - UBT**

Representative of the Project Office at UBT, in charge of coordinating project activities, monitoring project performance, assisting with the reporting and preparation of documents, and so on. Working for several years in the Project Office at UBT, has given her the experience in

organizing and coordinating project activities, monitoring project performance, and reporting for national and internationally funded projects. In the last years, she has been directly involved in more than 8 CBHE plus projects, where UBT has been partner institution.



## **Qamile Sinanaj - MESTI**

Qamile Sinanaj currently serves as Leader in the division for international cooperation in AL and science. Head of Division for International Cooperation: She leads the division at MESTI responsible for managing international partnerships and academic exchanges.

National Coordinator for Horizon Europe: She serves as a key coordinator for the Horizon Europe program in Kosovo, focusing on research and innovation policies to increase national participation in EU-funded projects.

Higher Education Leadership: She has served as the Deputy Chairperson of the working group for Higher Education, contributing to the development of the Education Strategy 2022-2026.

Fulbright & International Exchange Representative: She frequently acts as the MESTI representative for prestigious international programs, including the Fulbright Faculty Development Program and other academic exchange initiatives with the United States.



## **Antigona Uka - KCDE**

Founder and Executive Director at Kosova Center for Distance Education. Has a master's degree from the School of Public Policy at Central European University; a business degree from International Business College Mitrovica and West Liberty University, West Virginia, and certified in Digital Business De-

velopment from Mikkel University for Applied Sciences, Finland. She has been engaged in the field of online and blended learning since 2015. In the past, Antigona has cofounded and led Teach For Kosova - a teacher leadership development organization, and has served as a researcher, consultant, and teacher.



## **Shkelzen Gërxhaliu - KAA**

Shkelzen currently works as Director of Department for Monitoring and Post-Accreditation Procedures within Kosovo Accreditation Agency. He previously has been

engaged as an acting executive director within KAA. Shkelzen has gained a masters in International Politics from the University of Prishtina.