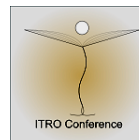


ITRO2024 - AGENDA

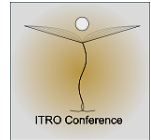
Friday, November 29 th , 2024, Technical faculty "Mihajlo Pupin, Zrenjanin"		
9.00-10.00	Registration of the participants	
10.00-10.30	Opening ceremony	Prof. Dr. Jelena Stojanov , Chairman of the Organizing Committee Prof. Dr. Milan Nikolic , Dean of the Technical Faculty "Mihajlo Pupin" Prof. Dr. Branko Markoski , Provincial Secretary for Higher Education and Scientific Research
10.30-11.30	Plenary lectures (20 minutes each)	
	Prof. Dr. Emilia Tosheva SWU "Neofit Rilski", Faculty of Engineering, Blagoevgrad, Bulgaria FORMATION OF TECHNOLOGICAL COMPETENCE IN STUDENTS	
	Prof. Dr. Tanja Sekulic Technical College of Applied Sciences, Zrenjanin, Serbia DIGITAL COMPETENCIES: WHAT HAVE WE DONE AND WHERE ARE WE GOING?	
Prof. Dr. Stanislava Maric Jurisin University of Novi Sad Faculty of Philosophy, Novi Sad, Serbia CRITICAL DISTANCE - A TEACHING COMPETENCE THAT IS (NOT) SLIPPING AWAY IN THE DIGITAL AGE		
11.30-12.00	Coffee break	
12.00-13.30	Session 1 (15min talks) Chairman Prof. Dr. Dragana Glusac	Hall 35
13.30-14.15	Lunch break	
14.15-16.00	Session 2 (15min talks) Chairman Prof. Dr. Snezana Jokic	Hall 35
16.00-16.15	Coffee break	
16.15-17.35	Session 3 (10min talks) Chairman Prof. Dr. Vesna Makitan	Hall 35
14.15-17.35	Poster Session Chairman Prof. Dr. Marjana Pardanjac	Hall 36
17.40-18.00	Conference Closure Chairman Prof. Dr. Jelena Stojanov	Hall 35



Session 1 (15min talks) Chairman: Dragana Glusac	
Mentorship Lessons Learned from Lower Secondary School Reinforcement Learning Project	Drago Bokal, Gregor Bokal, Janja Jerebic
Communicative Language Teaching: Enhancing speaking skills in non-native learners with specific reference to SEE University students of BES	Rufat Osmani
SEEU students use AI for academic benefits. What to do about it?	Basri Saliu, Kujtim Ramadani
Analysis of Students' Academic Achievement in the Field of Probability	Anja Znidarsic, Jelena Ivetic, Maria Kis, Natasa Durakovic, Tatjana Grbic
Numerical Methods for Finding the Root of a Polynomial	Ivana Loncarevic, Jugoslav Bajkin, Natasa Durakovic, Sandra Buhmiller, Slavica Medic
Generic Framework for Online Multiplayer Turn-based Games Implementation Using Rust Programming Language	Csaba Szabo, Matus Semancik, Simon Porvaznik, Stefan Puci - online

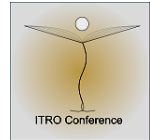
Session 2 (15min talks) Chairman: Snezana Jokic	
Soft Skills in Secondary Education: A Basis for Competitiveness in the Job Market	Mirkovic Snezana, Kavalic Mila, Darusi Edi
Experiences in the creation and use of electronic teaching materials in vocational subjects in Srednja Tehnicka Skola	Marijana Bogdanovic
School without mobile phones - impact on socialization	Ivana Popovic, Marina Todoc, Sonja Djukic Popovic, Stefan Popovic, Violeta Dimic
Use of Mobile Phones for Mathematics Learning in Primary School	Marija Pejic, Ninoslava Tihi
Enhancing Mathematics Education through Project-Based Learning and Modern Technologies: A Practical Approach	Branislava Zubac, Goran Manigoda, Tanja Sekulic
Blended Learning: Challenges and Opportunities for Higher Education	Katarina Vignjevic, Blazic Marko, Dobardzic Dilan, Glusac Dragana, Brtka Eleonora, Jovanov Nikola, Radulović Biljana
Digital Dialogue in the Function of Optimizing the Time Allocation of Dominant Roles in Class	Momcilo Randjelovic, Radoje Jevtic, Ljijana Stanojevic

Session 3 (10min talks, online) Chairman: Vesna Makitan	
Analysis of the Knowledge of Primary Education Students for Following Subjects in Higher Education Related to Informatics	Aleksandar Velinov, Dragan G., Elena G. Karamazova, Mirjana Kocaleva
Python Chatbot: Virtual Assistant	Biljana Zlatanovska, Cveta M. Bande, Kamelija Arnautova, Mirjana K. Vitanova, Natasa Stojkovicj., Elena G. Karamazova



Metaheuristics methods for solving Capacity Vehicle Routing Problem: An Overview	Aleksandra Stojanova, Cveta M. Bande, Limonka K. Lazarova, Natasha Stojkovik
E-learning platforms for studying cloud technologies	Aleksandar Velinov, Aleksandra Nikolova, Elena Karamazova Gelova, Zoran Zdravev
Enhancing Mathematics Education Through Digital Technologies and Innovative Approach	Aleksandra Pesevska Mitanovska, Ana Atanasova, Dobri Jonevski, Tatjana A. Pacemska
Building Everyday and Basic Learning Skills through Play: Educational Robots as a Tool for the Improvement of the Learning of Students with Special Educational Needs	Tatjana A. Pacemska, Darko Bogatinov, Ana Atanasova, Dobri Jovevski, Roxane Huart
Comparative education in action, using insights from international project to advance academic and research integrity domestically	Hajrulla Hajrullai, Veli Kreci

Poster Session	
Chairmans: Marjana Pardanjac	
Maintenance management system and organizational behavior in educational institutions	Duska Cokanica, Igor Kostovski, Rade Dragovic, Vladimir Milosev
Using Data Warehouse for Forecasting Student Success	Andjela Smiljanic, Dragoljub Krneta
Analysis of the impact of organizational learning on organizational conflicts in domestic companies	Verica Gluvakov, Djordje Vuckovic, Stefan Ugrinov
Encouraging Creativity in Student Education	Dragana Kovac, Edita Terek Stojanovic, Maja Gaborov, Melita Cockalo-Hronjec
Personalized Learning Environments Tailoring Education Through Technology	Mihalj Bakator, Dragan Cockalo Sanja Stanisavljev, Edit Terek Stojanovic, Verica Gluvakov
Machine Learning in Educational Methods for Improving Learning Outcome	Mihalj Bakator, Luka Djordjevic, Borivoj Novakovic, Stefan Ugrinov, Velibor Premcevski
Integrating Supply Chain Education into STEM Programs	Stefan Ugrinov, Sanja Stanisavljev, Mihalj Bakator
Self-Evaluation of Primary Schools in the Application of Information and Communication Technology	Miladinovic Zeljko, Miladinovic Maja, Dragica Radosav, Danka Stankovic
Physical Violence in Primary School	Maja Miladinovic, Zeljko Miladinovic, Oana Omoran
Implementation of Artificial Intelligence in Teaching and Learning	Ivan Gasic, Marko Beljin, Zeljko Stojanov, Peter Odry, Zoltan Vizvari, Vladimir Tadic
Architecture and development methodologies of modern recommender systems: a machine learning-based approach	Ognjen Tomic, Marija Blagojevic
Vector Applications in Mechanics: A Way to Bring Mathematics and Physics Together	Ivana Loncarevic, Laszlo Juhasz, Tatjana Grbic, Slavica Medic, Sandra Buhmiller
The influence of modern forms of learning on learning motivation	Asim Praskic, Vesna Srdic, Snezana Jokic
Teachers' methods and strategies for developing students' computing competencies	Tamara Milic, Igor Vecstejn
Education in Specialized IT Departments in the Republic of Serbia - Comparison with International Practices	Tamara Milic, Nemanja Tasic



Performance metrics for object-oriented programming languages and Python used for embedded systems programming	Vuk Amizic
Students' Attitudes Towards the Importance of Using AutoCAD Tools in Teaching	Nikola Jerkovic, Uros Sarenac, Ivana Berkovic
Adapting School Curriculums for 21st Century Skills: A Teacher's Perspective on Educational Transformation	Nemanja Tasic, Miodrag Kovacevic, Matilda Lazic, Asim Praskic, Aleksandra Karuovic, Marko Kojic
Multimedia Dynamics in Responsive Web Portal with The Use Of Presentation Models: Preschool Institution Zrenjanin Case Study	Ljubica Kazi, Tatjana Lojovic, Zeljko Cvijanovic, Maria Kazi, Visnja Ognjenovic, Vuk Amizic, Dragica Radosav, Ivana Berkovic, Zoltan Kazi, Dragana Glusac
The Digitalisation of Education: Current Trends, Challenges, and Future Predictions	Marija Pekez
The Impact of the Mentor in the Process of Writing a Final Thesis: Experiences of Students	Nikola Jerkovic, Ana Jovanovic, Visnja Ognjenovic, Ivana Berkovic
InfluxDB as an educational example of a Time-Series database used in the Industrial Internet of Things system for dust monitoring	Srdjan Felbab, Biljana Radulovic, Dalibor Dobrilovic
Review on software applications for children with dyslexia	Burim Baftijari, Saso Koceski
Software Evolution Monitoring Framework in the Context of Software Projects and Maintenance Standards: Case Study of Preschool Institution Web Portal	Ljubica Kazi, Tatjana Lojovic, Zeljko Cvijanovic, Chotaliya Narendra
Integrating OLAP for Assessing and Enhancing Teacher Digital Competencies in Modern Education	Dilan Dobardzic, Katarina Vignjević, Biljana Radulovic, Visnja Ognjenovic
Digitalization and legal education	Danijela Glusac
Using ICT in the Education of Children with Special Needs: a Scoping Review	Vesna Hristovska, Natasa Koceska
Literature Review – Ontology Models for Knowledge Management in Software Engineering	Igor Vecstejn, Zeljko Stojanov, Maja Gaborov
The Importance and Role of Elementary Schools Website in the Realization of Distance Learning	Aleksandra Karuovic, Ivana Macesic, Marjana Pardanjac, Nadezda Ljubojev, Snezana Jokic
Online Exam Proctoring System – Student Perspective	Blagoj Kotevski, Natasa Koceska, Saso Koceski
Mobile Application for Music Streaming Services	Nemanja Ametovic, Eleonora Brtko, Vesna Makitan, Predrag Novokmet, Nikola Jovanov, Ana Kószó
The Role of Artificial Intelligence in Agricultural Supply Chains in Developing Countries	Lemboye Mukhtar Afolabi, Evgeny Alexandrovich Cherkashin
New Technologies in the Service of Industrial Digitalization: Industry 4.0 and the Evolution of Computer Networks	Zoltán Nyikes, László Tóth and Tünde Anna Kovács
The Role of Organizational Learning in Higher Education	Mirkovic Snezana, Kavalic Mila, Darusi Edi