

International Journal of Information and Education Technology

CONTENTS

Volume 16, Number 7, 2026

- Interdisciplinary Perspectives on Educational Technology Integration in K-12 Education: A Grounded Theory Study of Teachers' Conceptual, Pedagogical, Cultural, and Political E-learning Dilemmas 1713
Paul Lam and Hilary K. Y. Ng
- The Relationships among Technological Innovation, AI Self-efficacy, Learning Anxiety, Literacy, and Usage Satisfaction: An Empirical Study Based on Chinese Vocational College Students 1723
Li Liao and Jian-Hong Ye
- An Intelligent Conversational Agent Based on Adaptive Learning to Enhance Learning Design Competencies of Pre-service Teachers 1733
Sakchai Chaiyarak, Alongkorn Koednet, Anucha Khaengkhan, and Panpachara Pinchinda
- Secondary Teachers' Acceptance of Generative Artificial Intelligence in Teaching Based on the TAM..... 1745
Hasrul Hafiz Hamdan and Intan Farahana Kamsin
- Effects of ICT-supported Learning Models and Behavioral Factors on Academic Performance in Professionally Oriented Schooling with Production Tasks: Evidence from a Quasi-experimental Study..... 1760
Gulzhuzim Mendigaliyeva, Tamara Karazhigitova, Zhupar Bilyalova, Smagulov Yessengali, Maxot Rakhmetov, and Zhanargul Kabylkhamit
- Reconstructing GeoGebra-based Geometry Learning within the Praxeology from the Anthropological Theory of the Didactic to Enhance Students' Problem-solving Skills..... 1770
Nanang Diana, Agustinasari, Husnul Khatimah, Adi Apriadi Adiansha, and M. Ibusaputra
- PBAT: A Profile-based Adaptive Testing Framework Powered by LLMs..... 1783
Pankaj P. Mishra, V. Venkataramanan, Wen Gu, Keyur Patel, Tirth Patel, Asmi Moghe, and Adwait Patankar
- Development of the SmartJawi App: An Interactive Learning Tool for Children Aged 4–5 Years Old 1797
Azam Ghazali, Mohd Mahzan Awang, Zakiah Mohamad Ashari, Joanne Hardman, Mazeni Ismail, and Haiza Hayati Baharudin
- Video-mediated Peer Explanation in Flipped Chemistry: A Randomized Experimental Study with Philippine Grade 11 STEM Students 1805
Saima Mehboob and Alberto Fornasari
- Multimodal Immersive Language Learning: A Framework Linking AR/VR Features with Language Skill Development..... 1811
Saima Mehboob and Alberto Fornasari
- Innovative Methods of Human-AI Collaboration in Art Education..... 1820
Waiyawat Saitum

Exploring the Impact of Auditory Processing, Assistive Technology, and Socio-economic Factors on Academic Engagement and Self-preparation among Secondary Students Using Hearing Aids.....	1832
<i>Mohammad Ahmad Abdelaziz Al-Zu'bi, Waqas Mahmood, Maher Tayseer Sharadgah, Hussam Ali Al Qudah, Kholoud Imhammad Meqbel Almseidin, Mohd Sofian Omar Fauzee, Mohd Hanafi Mohd Yasin, Wan Suraya Wan Nik, Muhammad Nazrul Hakim Abdullah, and Rabia Anwar</i>	
Benchmarking Classical Machine Learning Models for Sentiment Classification in Students' Faculty Evaluations: A Comparative Study	1844
<i>Aaron Paul M. Dela Rosa, Renato L. Adriano II, and Lilibeth G. Antonio</i>	
Digital Mentor by Generative AI to Support Creative Thinking in Character Design for Students	1856
<i>Vipusit Piankarnka and Pinyaphat Tasatanattakool</i>	
CICAP: A Human-AI Co-creation Paradigm for Ethical and Efficient Plugin Development in Moodle	1869
<i>Yassine Karroumi, Khalid EL Khattabi, Fatima Ou-zennou, and Souad Eddarouich</i>	
Building Trust in Artificial Intelligence: Personality-based Strategies to Enhance Student Engagement in Higher Education	1881
<i>Damla Karagozlu</i>	
Structural Relationships among ICT Competencies of Secondary School Teachers: A CFA-SEM Analysis	1890
<i>Sreekanta Das and Biswajit Chakraborty</i>	
Modeling the Predictive Factors of Moroccan Secondary School Students' Motivation to Learn Geology: A Mixed-methods Study	1899
<i>Mohammed El Mouddeh, Saïd Chakiri, Mohamed Yazidi, El Mostapha Bouhamid, Bouchra Jaima, Omar Amahmid, and Bouchra Razoki</i>	
Development of Ecolinguistic-based Digital Comic Learning Media Using the ADDIE Framework to Enhance Environmental Literacy	1912
<i>Ersila Devy Rinjani, Ulya Himawati, and Nugroho Eko Budiyo</i>	
A Hybrid ECM–KM Model for Predicting Sustainable Use of AI-based Chatbots in Higher Education	1925
<i>Ngoc-Hong Duong, Hong Anh Vo Thi, Kim Hue Phan Thi, and Truc Quynh Tran Thi</i>	
Key Variables Shaping the Intention to Use E-learning: Evidence from the GETAMEL Framework	1935
<i>Mustapha Asbai, Meriem Bouyzem, and Youssef Al Meriouh</i>	
From Chatbot to Adaptive Syllabus-aware AI-mechanism: LLM Personalized Teaching Assistant in Higher Education	1946
<i>Or Peretz and Roei Zerahia</i>	
The Efficiency Paradox: Modeling Student Engagement and AI Dependence on STEM Productivity in a Philippine State University	1958
<i>John Manuel Buniel and Kenny John Grustan</i>	
An Exploratory Analysis of Student Disaster Preparedness and Game Design Requirements for Adaptive Disaster Education	1967
<i>Setia Wardani, Lukito Edi Nugroho, and Paulus Insap Santosa</i>	
Behavioral Drivers of ChatGPT-assisted TOEIC Reading: Evidence from an Extended UTAUT Model.....	1978
<i>Yu-Hung Chiang, Hsin-Ping Tseng, Ching-Hua Lu, and Tien-Chi Huang</i>	
The Impact of HyFlex Flipped Classroom in University-level Video Production Training	1993
<i>Ting Wang and Wan Ahmad Jaafar Wan Yahaya</i>	