

International Journal of Information and Education Technology

CONTENTS

Volume 15, Number 1, 2025

Game-Based Adaptive Learning in Probability Education.....	1
<i>Xiao Xu</i>	
The Effectiveness of Developing Cloud-Based Agricultural Environmental Sensing System to Support Food and Agriculture Education in Elementary School	8
<i>Yi-Chun Lin and Yen-Ting Lin</i>	
Developing the Physics Learning Management System (PLMS) to Support Blended Learning Models	18
<i>Yul Ifda Tanjung, Festiyed, Skunda Diliarosta, Asrizal, Fitri Arsih, and Muhammad Aizri Fadillah</i>	
Using AI Chatbots in Visual Programming: Effect on Programming Self-Efficacy of Upper Primary School Learners	30
<i>Zipei Zhu, Zhaoji Wang, and Hanhui Bao</i>	
The Effectiveness of Classpoint Technology in Developing Reading Comprehension Skills among Non-Native Arabic Speakers.....	39
<i>Mohammad F. Hawamdeh, Mohammad Moafaq Bani Khaled, Ali Ahmad Al-Barakat, and Rommel Mahmoud AlAli</i>	
Game-D: Development of an Educational Game Using a Line Follower Robot on Straight Motion Material....	49
<i>Fivia Eliza, Muhammad Hakiki, Mughnil Muhtaj, Della Asmara Putri, Yayuk Hidayah, Ade Fricticarani, Jamal Fakhri, Iqbal Arpannudin, Desty Endrawati Subroto, Kelik Sussolaikah, Mustofa Abi Hamid, Radinal Fadli, and M. Agphin Ramadhan</i>	
Evaluation of the Impact of ChatGPT on the Development of Research Skills in Secondary Education Students: An Experimental Approach	59
<i>Yovana Sonia Huamani-Anco and Benjamín Maraza-Quispe</i>	
Personal Competence Formation in Education: The Effectiveness of the Development and Use of Gamified Learning Based on the Metaverse	70
<i>Khaleel Al-Said, Edita Margarian, and Valentina Spichak</i>	
Levelling up Learning: Exploring Gamification Impact on Saudi Undergraduates' Student Engagement in Higher Education	80
<i>Ahmed Freeh Allehaidan and Wan Mohd Nazmee Wan Zainon</i>	
Impact of the Use of Fuzzy Comprehensive Evaluation Applications towards Computational Thinking Skill Students in Engineering Education.....	90
<i>Hendra Hidayat, Aan Komariah, Bambang Budi Wiyono, and Yasdinul Huda</i>	

Impact of ICT Utilization on Academic Performance: A Case Study of University of Hargeisa Students in Somaliland.....	101
<i>Awil Ahmed Mohamed and Mohamed Ahmed Ali</i>	
Generative AI-Created Digital Influencers to Be University Goodwill Ambassadors	106
<i>Vipusit Piankarnka, Prachyanun Nilsook, and Panita Wannapiroon</i>	
Evaluating the Role of Technological Pedagogical Content Knowledge in ICT-Enhanced Science Education.....	117
<i>Marwan M. A. Abualrob and Said Hamed Al-Saadi</i>	
How Effective Is Immersive AR Continental Food Course for Vocational Education? Analyzing Knowledge Gains and Learning Outcome Effects.....	127
<i>Ika Parma Dewi, Lise Asnur, Rizkayeni Marta, Doni Tri Putra Yanto, Muhammad Dhanil, Erni Marlina Saari, and Siti Khadijah Ali</i>	
Development of a Virtual Learning Environment with the Engineering Design Process to Enhance Students' Creative Thinking Skills.....	137
<i>P. Thammaariyasakun, W. Napapongs, J. Tansakul, and C. Inkaew</i>	
Scale for Optimizing Assessment Activities with Digital Technology Integration toward Transformative Learning.....	148
<i>Joy D. Talens</i>	
The Implementation of Educational Data Mining in Predicting Students' Academic Achievement in Mathematics at a Private Elementary School.....	154
<i>Hendra Tjahyadi and Krismon N. L. Tude</i>	
Factors Affecting the Competency of Applying Information and Communication Technology in Educational Scientific Research of Pedagogical Students in Vietnam	164
<i>Ngo Van Dinh, Tran Trung, Nguyen Chi Thanh, Nguyen Phuong Thao, and Trinh Thi Phuong Thao</i>	
Mapping Physical Moroccan Sciences Student's Perceptions of AI: A Case Study on Generative AI (ChatGPT)	175
<i>Oumaima Tafhi, Khalid El Khattabi, Mohammed Lamrabet, Fatima Ouzennou, and Ahmida Chikhaoui</i>	
Exploring the Effects of Using Automatic Speech Recognition on EFL University Students with High Speaking Anxiety	187
<i>Wenyi Li, Maslawati Mohamad, and Huay Woon You</i>	
Evaluation of the Effect of Digital Comics on Learning: How are Students' Motivation and Emotional Reactions?.....	195
<i>Imam Kusmaryono and Hevy Risqi Maharani</i>	