Volume 8, Number 12, December 2018

ULEARN: Personalized Course Learning Objects Based on Hybrid Recommendation Approach ................... 842
Shaimaa M. Nafea, Francois Siewe, and Ying He

A JavaScript Curriculum for High School Students to Explore Computer Science ........................................... 848
Ching-Yu Huang and Mayra Bachrach

The Learning Motivation and Understanding towards Programming Education of Elementary School Students in Japan ............................................................................................................................................................... 855
H. Kanoh

Fostering Information Literacy on the Web: Results of a Game-Based Learning Scenario ......................... 861
Vivien Mantei, Joachim Griesbaum, and Thomas Mandl

Effectiveness of AR Books on "Calligraphy with Parallel Pens" towards the Pre-service Teachers’ Capability of Instructional Media ................................................................................................................................................... 868
Nuttaphong Kanchanachaya and Kanita Nitjarunkul

Educative Doll Design as Media for Learning Indonesian Traditional Folk Song Using Affective Design Approach ............................................................................................................................................................ 874
H. Soewardi and S. B. Maulidyawati

Methodology of Transforming Digital Competence Framework to Curricula: Croatian e-Schools Project
Example .............................................................................................................................................................. 880
V. Kirinić, R. Mekovec, and N. Žajdela Hrustek

Effectiveness of the Evaluation Committee in a Higher Education Institution of Tocantins ......................... 889
Vinícius I. Oliveira, Aline D. S. de Carvalho, Layala C. da S. Istofel, and Cláudia P. Orquiza e Gentil V. Barbosa

International Service Learning Project on Environmental Improvement and Sustainable Development for Nepal Earthquake Relief .................................................................................................................................................. 897
Daniel C. W. Tsang, Lu B. L. Khoo, Iris K. M. Yu, and Nicole S. N. Yiu

An Augmented Reality-Based Framework for Assisting Individuals with Autism and Cognitive Disorders ... 904
Vladimir Geroimenko, Samir El-Seoud, and Osama Halabi

The Use of the USSBV Model as a Mechanism for Training in a Learning Factory ..................................... 908
Vusumuzi Malele, Khumbulani Mpufo, and Mammo Muchie

The Development of Cooperative Learning Using Jigsaw Activities for Learning Achievement and Self-directed Learning Behaviors of Master Nursing Students ........................................................................... 913
Charuwan Kritpracha, Wipa Sae-Sia, Orawan Nukaew, Piyanuch Jittanoon, Sopen Chunuan, and Ophat
Kaosaiyaporn

Factors of Online Learning Model to Enhance Knowledge Construction in Multicultural Society for Workers Competencies in Southernmost Provinces of Thailand ................................................................. 918

Anuchit Ngamkajornwiwat, Wasant Atisabda, and Ophat Kaosaiyaporn