

2023 IEEE 3rd International Conference on Advanced Learning Technologies on Education & Research (ICALTER 2023)

**Chiclayo, Peru
13-15 December 2023**



**IEEE Catalog Number: CFP23BK0-POD
ISBN: 979-8-3503-9548-8**

**Copyright © 2023 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP23BK0-POD
ISBN (Print-On-Demand):	979-8-3503-9548-8
ISBN (Online):	979-8-3503-9547-1

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

<p>Adequate Indicators for the Application of Inclusive Education in Initial Education 1 <i>Raisa Emilia Bernal Cerza, T. Segundo Moisés Toapanta, Ignacio Garcia Álvarez, Carlos Esteban Gómez Avilés</i></p>	1
<p>School Evaluation and Artificial Intelligence..... 5 <i>Miguel Cobos, Henry Cherres</i></p>	5
<p>Representation of Afrodescendant Women in Digital Advertising. Case: Natalia Barreda as a Digital Storyteller 9 <i>Andrea Egusquiza-Bellido, Maria José Castro-Bernardini</i></p>	9
<p>Knowledge of Cybersecurity Against Social Cybercrime of Female High School Students..... 13 <i>Yasmina Riega-Virú, Kiara Nilupu-Moreno, Juan Luis Salas-Riega, Mario Ninaquispe-Soto</i></p>	13
<p>Artificial Intelligence and Logistics Services: A Systematic Literature Review 17 <i>Alberto Villanueva-Eslava, Yasmina Riega-Virú, Kiara Nilupu-Moreno, Juan Luis Salas-Riega</i></p>	17
<p>Impact of the Pandemic on School Dropout: Multidimensional Analysis 21 <i>Aracelly Fernanda Núñez-Naranjo, Corina Núñez-Hernández, Diego Escobar-Bernúdes, Isabel Berruz-Uca</i></p>	21
<p>Study on Application of Information and Communication Technologies to Chinese Curriculum Ideology and Politics 25 <i>Junxia Ma, Zhifeng Zhang, Ming Chen, Peipei Gu, Bo Wang</i></p>	25
<p>What Are the Motivating Factors that Influence the Intention to Watch Live-Streaming Video Games? 29 <i>Rafael Florián Castro</i></p>	29
<p>An Analysis of IoT Technology Education Based on UIFLOW..... 33 <i>José Varela-Aldás, Christian Junta-Andagana, Carlos Bran</i></p>	33
<p>Panorama of Peruvian Primary Education Teachers Trained in ICT Use Before COVID-19 Pandemic 37 <i>Milton Gonzales-Macavilca, Maricielo Aguinaga-Villegas</i></p>	37
<p>Exploring the Perceptions of Primary School Students from Public Schools in Carabayllo (Lima, Peru) Regarding Project-Based Learning (PBL) 41 <i>Jenifer Sánchez-Espinoza, Milton Gonzales-Macavilca</i></p>	41
<p>Pedagogical Support and Academic Performance in the Communication Course: A Study Among Primary School Students in Los Olivos (Lima, Peru) 45 <i>Maryhory Briceño-Huamán, María Solorzano-Chuica, Milton Gonzales-Macavilca</i></p>	45
<p>The Mediating Role of Satisfaction in Enhancing the Perception of Progress Through Interaction in Online Learning..... 49 <i>Montes Ninaquispe Jose Carlos, Guzman Valle Maria De Los Angeles, Arbaiza Godos Karol Melissa, Ruiz Chacon Stephanie Virginia</i></p>	49
<p>Coping Strategies and Symptoms of Psychological Disorders in Peruvian University Students During the COVID-19 Pandemic: An Explanatory Model..... 53 <i>Yesenia Huanca-Marcellini, Jesús M. Aparicio-Nizama</i></p>	53

The Mediating Effect of ICT on the Relationship Between Innovative Capacity and Student Satisfaction	57
<i>Arbulú Castillo Julie Catherine, Mary Llamo Burga, Palma Vallejo Juana Graciela, Montes Ninaquispe Jose Carlos</i>	
Feminist Thought and Film: A Review of the Literature	61
<i>Shaony Marlene Severino-Cueva, Carla Gianinna Cormán-Chávez, Adriana Margarita Turriate-Guzman, Guisseppi Paul Morales Cauti</i>	
Validity and Reliability of the ACL21 for Evaluating Online Collaborative Learning	65
<i>Madeleine Lourdes Palacios-Núñez, Alexander Toribio-López, Herbert Robles-Mori, Angel Deroncele-Acosta</i>	
The Advertising Discourse of Menstrual Activism in the Femcare Industry	69
<i>Sarah Alessandra Gonzales Meza, Melina Haydee Mezarina Castilla</i>	
Gamification in the Teaching of Ecology for University Students	73
<i>Marcos Vera-Morales, Galo Cedeño García, Veris Saldarriaga Lucas, Leonardo León-Castro</i>	
Gamification and Programming: Enhancing Mathematics Learning in Students	77
<i>Nicol Del Carmen Solano-Gonzales, Karla Cecilia Reyes-Burgos, Hector Zelada-Valdivieso, Huilder Juanito Mera-Montenegro</i>	
Higher Education Student’s Attitude Towards Using Gamification and Its Relation with Achievement	81
<i>Magna Guerrero Celis, Soraya Yrigoyen Fajardo, Giovanna Vassallo Sambuceti, Rossana Barros</i>	
Exploration of Emotional Characteristics in 2nd Grade Elementary Students from the District of Independencia, Lima (Peru)	85
<i>Denisse Ore-Betancur, Sandy Alarcon-Luna, Milton Gonzales-Macavilca</i>	
Digital Communication of Brands in Post-Pandemic Times	89
<i>Manuel Romero-Mamani, Davide Solari-Martin, Eliana Gallardo-Echenique</i>	
Strategic Decision Making in Public and Private Organizations: Challenges and Solutions	93
<i>José A. Salinas Ortiz</i>	
Development Framework to Evaluate the Process of Training Researchers in Universities	97
<i>Carlos Andrés Guerra Bendezú, Rafael Vásquez Rodríguez, Víctor Carranza Elguera</i>	
Estudio Longitudinal De Pensamiento Crítico En Estudiantes De La FIEECS-UNI	101
<i>Antonietta Macedo Dávila</i>	
Design of a Crowdlending System for Formalized SMEs Based on Smart Contracts in Metropolitan Lima	105
<i>Fabriccio Tornero-Cortés, Alvaro Cabrera-Campos, Daniel Burga-Durango</i>	
Digital Literacy in Basic Secondary School Students: A Gender Comparative Study	109
<i>Kelly Cristina Vasquez Huatay, Ana Patricia Mendoza Mendoza, Juan Cesar Farias Rodriguez, Jose Carlos Montes Ninaquispe</i>	
Adapting Assessment During the COVID-19 Pandemic	113
<i>Jorge Gutierrez, Angely Mendez, Ciara Mendez, Yenny Sifuentes</i>	
Development of Capabilities in Engineering Teachers, for Greater Relevance in Social Research	117
<i>José Romero Cieza</i>	

Motivation and Academic Performance in the Communication Course: The Case of Primary School Students in Comas (Lima, Peru).....	121
<i>Leslie China-Quiroz, Deinny Marín-Rodríguez, Milton Gonzales-Macavilca</i>	
Audit Model Using Controls from ISO/IEC 27002 for the Information Security of Electronic Voting Based on IoT and Blockchain	125
<i>Edson Paredes, Marco Mendez, Jymmy Dextre</i>	
Digital Competence of Mathematics Teachers Based on DigCompEdu in Regular Basic Education in the Lambayeque Region.....	129
<i>Victor Chung, Jessie Bravo, Armando Moreno Heredia, Roger Alarcón</i>	
Automation of the Psychological Care Process in University Students Using Machine Learning.....	133
<i>Jeremy Galindo Arroni, Cristhian Acasieta Tresierra, Daniel Burga Durango</i>	
Specialist-Woman Interaction System for Female Empowerment in Cases of Discrimination and Gender Violence	137
<i>Wenceslao Arrascue Casara, Jeff Soto Echea, Daniel Burga Durango</i>	
Self-Assessment and Co-Assessment to Improve Oral Competence in University Students in the Remote Education Modality.....	141
<i>María De Los Ángeles Sánchez-Trujillo, Delia Felícita Sáenz-Egúsqüiza, Estefanía Bernabé-Sánchez, Marianella Suárez-Pizzarello</i>	
Review of the Literature on the Difficulties that Students Experience When Preparing Their University Thesis.....	145
<i>Rafael Vásquez Rodríguez, Carlos Andrés Guerra Bendezú, Víctor Carranza Elguera</i>	
Entrepreneurial Skill for Engineering Students in the 21 st Century: Impact of Technology.....	148
<i>Katherine Delgado Vargas, Claudio Gaete-Peralta, Álvaro Toledo San Martín</i>	
Empowering Electronics Learning Through a Hands-On Approach: Arduino Projects in the Classroom.....	152
<i>Hugo Moncayo, Lidya Ahulima, Margarita Mena, Luis Zárate</i>	
The Didactic Experience in a Biomedical Engineering Course at a Peruvian University	156
<i>Lewis De La Cruz, Moises Meza-Rodríguez, José Alonso Cáceres-Delaguila, Paulo Vela-Anton</i>	
Machine Learning Model for the Prediction of Landslides Due to the “El Niño” Phenomenon in Peruvian Educational Institutions.....	160
<i>Ronald Edward Mansilla Musaja, Antonio Arroyo-Paz</i>	
Searching Lost Dog by Breeds Sorting Using Computer Vision and Deep Neural Networks.....	164
<i>Javier Mendoza-Montoya, Flavio Abel Yancapallo Cuarite, Gustavo Walther Paredes Quispe, Antonio Arroyo Paz</i>	
Development of a Mobile Application for Learning Sign Language Using Machine Learning in the City of Huancayo.....	168
<i>Carlos De La Calle, Geovany De La Cruz, Michael Galvan, Jorge Guevara</i>	
Development and Evaluation of a Computerized Didactic Guide with Mathematical Foundations for the Teaching-Learning of Physics.....	172
<i>Luis Miguel Balladares-Pico, Carlos Alberto Espinosa-Pinos, María Giovanna Núñez-Torres</i>	
Synthetic Data Generation for Engineering Education: A Bayesian Approach	176
<i>Pallavi Singh, Ayisha Necholi, Wilfrido Moreno</i>	

Proposal for a Gamified Educational Mobile Application to Improve the Learning Process 180
Lopez Izaguirre Keneth, Muñoz Taquila Joel, Aguilar-Alonso Igor

Author Index