

2022 IEEE 2nd International Conference on Advanced Learning Technologies on Education & Research (ICALTER 2022)

**Lima, Peru
16-19 November 2022**



**IEEE Catalog Number: CFP22BK0-POD
ISBN: 978-1-6654-5697-5**

**Copyright © 2022 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:	CFP22BK0-POD
ISBN (Print-On-Demand):	978-1-6654-5697-5
ISBN (Online):	978-1-6654-5696-8

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

Systematic Review for an Automatic Classification and Segregation System for PET Plastic Bottles, Paper and Metals in Universities.....	1
<i>Samuel Julián Baldeon Bustillos, Miguel D'Jango Salazar Ruiz, Ricardo Manuel Arias Velásquez</i>	
Artificial-Intelligence-Based School Assistant for Detecting the Behavior of University Students.....	5
<i>Joseph Lopez-Carreño, Cristhian Calvo-Lavado, Manuel Azpilcueta-Vasquez, Eliseo Zárate-Pérez</i>	
Explicit Teaching of Searching and Sourcing Strategies in Engineering: Insights from an Inclusive Dyslexia-Friendly Online EAP Course	9
<i>Emmanouela V. Seiradakis</i>	
Benchmarking as a Learning Method of Criminal Law in Remote Education.....	13
<i>Yasmina Riega-Virú, Mario Edison Ninaquispe Soto, Ricardo Salvatierra, Yanella N. Peralta</i>	
Evaluation of Training Projects Based on Socio-Training: The Case of the Quality Control Project.....	17
<i>Mónica Espinoza-Guano, Juan Ramos-Guevara</i>	
A Comparison in the Teaching of Programming for Development Kits with IoT	21
<i>José Varela-Aldás, Mario Miranda, Guillermo Palacios-Navarro</i>	
Girls Wellbeing: Anxiety and Mathematical Achievement at the End of Primary School.....	25
<i>Gianela Salinas, Tatiana Portocarrero, Rossana Barros</i>	
Trends in Studies that Record Social Responsibility in Social Networks Within the Last Five Years	29
<i>Yeremis Maria Ames-Trigozo, Milagros Mary Tineo-Eugenio, Adriana Margarita Turriate-Guzmán</i>	
Adapting Artificial Intelligence to Educational Environments.....	33
<i>Miguel Vidal-Delaplaza, Esther Núñez-Vidal, Francisco Dominguez-Mateos, Daniel Palacios-Alonso</i>	
Do Peruvian University Professor Use, Adapt and Publish Open Educational Resources?	37
<i>Daniel Flores-Bueno, Cesar H. Limaymanta, Jorge Bossio Montes De Occa</i>	
Strategies to Reduce Academic Stress in Postgraduate Students in the Distance Education Modality in Times of COVID-19.....	41
<i>Maria De Los Angeles Sanchez-Trujillo, Delia Felicita Saenz Egusquiza, Melva Natalia León Peralta, Eduar Antonio Rodriguez Flores</i>	
Oral Expression in Higher Level Students from the Virtual Modality	45
<i>Sindy Tippe-Marmolejo, Giomar Renzo Bazán Zavala, Susan Lizeth Soto Giraldo</i>	
Narrative in Videogame Design: A Starting Guide	49
<i>Miguel Cobos, Patricia Salvador</i>	
Constructivist Didactics in the Teaching-Learning Process	53
<i>Aracelly Núñez-Naranjo</i>	
Analysis of Binge-Watching on Streaming Services by Peruvian Young Adults	57
<i>Paolo Stefano Sambuceti Aspillaga, Giancarlo Gomero Correa</i>	

Andragogy Reception in School Education During the COVID-19 Pandemic in Peru.....	61
<i>Dilan Paipay, Giancarlo Gomero</i>	
Written Composition and Quality of the Argumentative Text from Self-Regulated Mediation.....	65
<i>Soratna Navas Gotopo, Eduardo Garcés Rosendo, Frank Guanipa Ramírez</i>	
Technological Solution for Children with ADHD by using Augmented Reality in Serious Games	69
<i>Aldo Anderson Mendoza-Marin, Miguel Alejandro Dueñas-Guevara, Daniel Burga</i>	
Tik Tok as a Teaching Tool: The Motivation of University Students in Ecuador.....	73
<i>Paulina Amaluisa Rendón, Nancy Jordán, Daysi Arias, Giovanna Núñez</i>	
Anxiety and Internet Use in Adolescents: A Case Study in a School in Cayambe, Ecuador	77
<i>Isabel Loor-Mosquera, Maria Soledad Males-Villegas</i>	
Back to the Face-To-Face Classroom: Instructors' Perceptions on Students' Performance.....	81
<i>Cristina Dreifuss-Serrano, Christopher Schreier-Barreto</i>	
Serious Videogames for Teaching Recycling Based on the STEM Project	85
<i>Marcos Chacón-Castro, Jose López-Quintero, Patricia Acosta-Vargas, Javier Luna-Pineda, Janio Jadán-Guerrero</i>	
Role Changes in Software Development Projects using Agile Methodologies: A Case Study of Private Companies in Guatemala City.....	89
<i>Héctor Santos-Tiberio, Alex Vinueza, Janio Jadán-Guerrero</i>	
Innovation and Digital Competence: A Bibliometric Analysis	92
<i>Madeleine Lourdes Palacios-Núñez, Alexander Toribio-López, Paúl Llaque, Angel Deroncele-Acosta</i>	
Analytical System Based on Big Data for Digital Transformation in Higher Education	96
<i>Roger Alarcón, Jessie Bravo, Carlos Valdivia, Janet Aquino</i>	
Design and Validation of an Instrument to Measure Digital Skills in University Students of the First Cycles of Health Careers.....	100
<i>Laritzta Tatiana Ramírez-Rodríguez, Janett Isabel Sanchez-Pimentel, Roxana Clara Osorio-Galván, Joaquín Omar Pérez-Ortiz</i>	
Methodological Strategy for Asynchronous Learning Mathematical Operations with Real Numbers.....	104
<i>Carlos Alberto Espinosa-Pinos, María Giovanna Núñez-Torres, Nancy Jordán-Buenaño, Cristina Jordán-Buenaño</i>	
Cybersecurity Maturity Model for the Protection and Privacy of Personal Health Data.....	108
<i>Aarón Joseph Serrano Rojas, Erick Fabrizio Paniura Valencia, Jimmy Armas-Aguirre, Juan Manuel Madrid Molina</i>	
Enhancing Blockchain Technology Education with Innovative Active Learning.....	112
<i>Yong Shi, Hossain Shahriar, Dan Lo, Hongmei Chi</i>	
Key Elements for UX-Based Design, Applied in the Improvement of the Academic Service of Peruvian University Education in the Context of COVID-19	116
<i>María Arangurí, Jessie Bravo, William Noblecilla, Roger Alarcón</i>	
Use of ICTs for Teaching-Learning Oral Communication During the Pandemic	120
<i>Leyla Casaño, Laura Valer, Claudia Gil Arroyo</i>	

Self-Regulation in Academic Work of Distance Education Students.....	124
<i>Vanessa Pinto-Guillergua, Elisa Montoya-Cantoral, Piero Gómez-Carbonel, Eliana Gallardo-Echenique</i>	
Professor's Leadership Styles, Engagement and Academic Satisfaction of the Student During Online Classes	128
<i>Daniel Rubén Tacca Huamán, Renzo Cuarez Cordero, David Guillermo Franco Canaval, Helí Alejandro Córdova Berona</i>	
Pedagogical Accompaniment, Resilience, and Performance of University Professors During Virtual Classes.....	132
<i>Daniel Rubén Tacca Huamán, Renzo Cuarez Cordero, David Guillermo Franco Canaval, Helí Alejandro Córdova Berona</i>	
Virtual Tutors and Their Relationship with Student Learning at Universidad Nacional Del Callao.....	135
<i>Ricardo Gutierrez-Tirado, Enrique Garcia-Talledo, Constantino Nieves-Barreto, Anna Grados-Espinoza</i>	
The Development of Didactic Competences in Initial Teacher Training During the Context of Virtual Education	139
<i>Luz Amelia Bolaños Bernal, Maria Luz Caceres Chumpitaz, Daniel Rubén Tacca Huamán, Ana Luisa Tacca Huamán</i>	
Perceptions of Higher Education Teachers About Academic Dishonesty in Students Within a Virtual Environment.....	143
<i>Sebastiana De Fatima Uceda, Jose Perez, Rossana Barros, Mayllorid Flores</i>	
Appropriation of Digital Technology in Popular Education.....	147
<i>Leyla Casaño, Paúl Llaque, Gloria Macedo-Janto</i>	
On-Site and Online Academic Performance During the Pandemic.....	151
<i>Paúl Llaque, Aldo Figueroa-Ocampo, Christian Fernández</i>	
Traffic Accident Monitoring System using Radio Frequency Identification Tools.....	155
<i>Eduardo Martin Estela Pardo, Jhonatan Axel Yataco Chero, Jimmy Armas Aguirre, Alvaro Chavarri Acosta</i>	

Author Index