

2022 XII International Conference on Virtual Campus (JICV 2022)

**Arequipa, Peru
29-30 September 2022**



**IEEE Catalog Number: CFP22Z22-POD
ISBN: 978-1-6654-5107-9**

**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:	CFP22Z22-POD
ISBN (Print-On-Demand):	978-1-6654-5107-9
ISBN (Online):	978-1-6654-5106-2

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

Students perceptions about the use of Studium as a tool for implementing Blended Learning	1
<i>Judit García-Martín and Sheila García-Martín</i>	
Attitude towards Computational Thinking of in-service teachers	4
<i>Adriana Maria Laimé-Choque, Héctor Cardona Reyes, Cesar Gonzalo Vera-Vasquez, Jorge Gilbert Mamani-Calcina, Maria del Pilar Ponce-Aranibar and Silvia Espinoza-Suarez</i>	
Toward the Development of writing conference papers skills in Engineering students - COVID 19 implementation experience	9
<i>Elizabeth Vidal, Alberto Garcia and Klinge Orlando Villalba-Condori</i>	
Student perceptions of the virtualization of teaching by COVID-19: the case of the Master's Degree in Tourism at the University of Huelva	13
<i>Alfonso Infante-Moro, Juan C. Infante-Moro, Julia Gallardo-Pérez, Francisco J. Martínez-López and Mercedes García-Ordaz</i>	
The use of tablets in the teaching of Social Sciences in Primary School Education	19
<i>Catalina Guerrero-Romera and Jose Santiago Alvarez-Muñoz</i>	
Bee-bot robot in the use of executive functions in students with ASD: a pilot study	22
<i>Elena Pérez Vázquez, Gonzalo Lorenzo Lledó and Alba Gilabert-Cerdá</i>	
From traditional to home-confined learning: a case study in a school involved with ICT ...	26
<i>Iratxe Lejarreta, Alberto Corbi, Natalia Padilla-Zea and Daniel Burgos</i>	
When mentors hide information from mentees: An exploratory proposal	30
<i>Harold Tinoco-Giraldo</i>	
COVID-19 and Distance Learning	34
<i>Hanae Aoulad Ali, Mohamed Chrayah, Abdelhamid Bouzidi and Fatima Ezzahraa El Habti</i>	
Perception of young university students on the acceptance of gamification in the learning process	37
<i>Carlos Arturo Torres Gastelú, Alexis Olquin Barrera and Joel Angulo Armenta</i>	
Blended Learning Platform Model	41
<i>Fatima Ezzahraa El Habti, Mohamed Chrayah, Abdelhamid Bouzidi and Hanae Aoulad Ali</i>	
Dynamics of Online Learning During COVID-19 in Indonesia: Bibliometric Analysis and Future Research Agenda	45
<i>Zalikh Nurayana, Wenbin Xu, Shiqi Lu, Zulherman Zulherman, Andri Pranolo and Alfian Ma'Arif</i>	
Analysis of teaching Experimental Physics in Guayaquil using online education	51
<i>Jorge Encalada-Huayamave, Barros Victor, Enrique Javier Caballero Barros and Segundo Camaton</i>	

Towards an ethical data literacy proficiency: a Moodle logs analytical tool.....	54
<i>Daniel Amo-Filva, Belén Donate Beby, Francisco José García-Peñalvo and Jiahui Chen</i>	
Meeting my friends virtually	57
<i>Fernando Pantoja</i>	
Level of the dimensions of the digital competence in university students from different academic areas.....	60
<i>Margie Valeria Salas Delgado, Caterine Lucy Chara Barreda, Alejandro Mauricio Turpo Rodríguez and Evelyn Eliana Portilla Vilca</i>	
A Study on Students' Online Learning Performance and Satisfaction During the Pandemic: The Case for TVET Education Institution in Borneo Malaysia	64
<i>Nur Adibah Raihan Affendy, Timotius Petrus Ayi and Muhammad Sufyan Safwan Mohamad Basir</i>	
The penetration of Learning Management Systems (LMS) in Virtual Campuses in Spanish companies and institutions: a comparative analysis with videoconferences.....	68
<i>Álvaro Martínez-García, Francisco J. Martínez-López, Mercedes García-Ordaz, Alfonso Infante-Moro, Juan C. Infante-Moro, Julia Gallardo-Pérez and Catalina Guerrero-Romera</i>	
YouTube and Learning Media During COVID-19: A Case Study on Primary School Education.....	71
<i>Muh. Alif Kurniawan, Zalik Nuryana, Yusuf Hanafiah, Yazida Ichsan, Fandi Akhmad and Fadhlurrahman Fadhlurrahman</i>	
Generation of multimedia videos under the concept of Flipped Classroom for E-Learning y B-Learning	76
<i>Liliana Enciso</i>	
Online Learning Platform for Students with Disabilities: Possible Path to Progress	80
<i>Onintra Poobrasert, Sirilak Luxsameevanich and Aitsawat Banlawanit</i>	
Rubric to evaluate educational resources produced by teachers after visual literacy training.....	84
<i>Catalina Huilcapi-Collantes, Azucena Hernández Martín and Juan Pablo Hernández</i>	
Assessing the Impact of Using Short Videos for Teaching at University Level	87
<i>Valero Laparra, Maria Piles, Adrián Pérez-Suay, Jordi Muñoz-Marí, Julia Amorós, Roberto Fernández-Moran, Miguel Ángel Fernández-Torres and José E. Adsuara</i>	
Teaching practice in remote education program.....	91
<i>Lilliam Enriqueta Hidalgo Benites, Gema Palmira Gálvez Hidalgo, Cesar Veras Vasquez and María del Pilar Ponce Aranibar</i>	
Analysis of the contributions to the SDGs of university students by degrees.....	95
<i>Lara Ferrando, Aleix Alcacer, Atanasia Lloria, Marina Martínez-García, Belén Martínez-Serrano, Adrián Pérez-Suay and Irene Epifanio</i>	
The motivation and commitment of the professor mediated by strategies to teach and learn with Kahoot!.....	99
<i>Sandra Chicaña-Huanca, Giuliana Calliñaupa-Quispe and Olger Gutierrez-Aguilar</i>	

Problem-Based Learning during the COVID 19 pandemic "Someone call a doctor, please!"	103
<i>Martiê Ramón Guillén Huanqui</i>	
Educational resources as learning strategies in the Flipped Classroom Methodology	107
<i>Carla Torres and Liliana Enciso</i>	
Teachers' perceptions on the use of Augmented Reality in students with Autism Spectrum Disorder	111
<i>Alba Gilabert-Cerdá, Gonzalo Lorenzo Lledó and Asunción Lledó Carreres</i>	
E-activities as a didactic situation for the calculation of areas	115
<i>Tannia Acosta, Daisy Criollo, Christian Pavon and Carla Silvera</i>	
Digital Competencies for Content Curation in the Open Education Framework	119
<i>Susana Del Río Urenda, Nicia Guillén Yparrea, Estefanía Lema Moreira, Manuelita Cauich Uicab and Antonio Ganzález Grez</i>	
Professional Roles, Skills And Competences Of Female Engineers In The ICT Industry: A Case Study In Chile	123
<i>Ana Bustamante, Jaime Díaz and Jorge Hochstetter</i>	
Scientific initiation in the undergraduate process of business administration students: UTPL case study	127
<i>Ana Gabriela Ojeda Vivanco, Ingrid Weingärtner Reis, María Isabel Loaiza Aguirre, Glenda Edith Ponce Espinosa and Jhoana Elizabeth Paladines Benitez</i>	
Improvement in educational performance through wearable-based flow predictive models	130
<i>David Rosas, Daniel Burgos and Natalia Padilla-Zea</i>	
The teacher and his practice in a remote classroom: a case of education in the face of the emergency	133
<i>Claudia Camacho and Elba Patricia Alatorre Rojo</i>	
B-Learning in undergraduate nursing education: pre COVID-19 and COVID-19 experience	138
<i>Brígida Manchego, Rocío Manchego, Azucena Prado and Elizabeth Vidal</i>	
Study of the academic behavior of participants in a MOOC course on Energy Sustainability using Principal Component Analysis (PCA)	142
<i>Gioconda Riofrío and María-Soledad Ramírez-Montoya</i>	
Communication skills through technological and reflective skills and recognition of the advantages and benefits of the podcast in educational strategies	146
<i>Olger Gutierrez-Aguilar, Sandra Chicaña-Huanca and Angela Calisaya-Gutierrez</i>	
Universal Design for Learning at the university: training and technological resources applied	150
<i>Alejandro Lorenzo Lledó and Asunción Lledó Carreres</i>	
Promoting communicative interactions in virtual environments: a methodological approach	153
<i>Sandra Isabel Arango and Bell Manrique Losada</i>	
Providing female role models in STEM higher education careers, a teaching experience	157
<i>Encina Calvo-Iglesias, Eva Cernadas García and Manuel Fernández-Delgado</i>	

Results about the use of Oracle Application Express for IoT Projects	161
<i>Antonio Carlos Bento, Daniel Couto Gatti and Marcelo Galdino</i>	
Continuous assessment through asynchronous activities in virtual campuses	166
<i>Claudia Russo, Mónica Sarobe, Tamara Ahmad and Natalia Sinde</i>	
Hybrid university education in COVID-19 times: resources used by teachers	169
<i>Alejandro Lorenzo Lledó, Elena Pérez Vázquez and Nuria Antón Ros</i>	
Simulators and virtual laboratories in online engineering education: A student perspective	173
<i>Guadalupe Maribel Hernández-Muñoz, Leslie Sofía Rodríguez Flores, Fernando Montemayor Ibarra and Angél Rolando Rivas Velazquez</i>	
Examples of good practices in teacher training through Erasmus+ projects	176
<i>María Goretti Alonso de Castro and Francisco José García-Peñalvo</i>	
Use of ICT Tools in Higher Education in Peru during the COVID-19 Pandemic.....	180
<i>Diego Vergara, Norberto U. Roman, Ronald Melgarejo, Álvaro Antón, Pablo Fernández and Manuel P. Rubio</i>	
Digital Competencies in in-service teachers, a post-pandemic analysis.....	183
<i>Alan Gonzalo Huillca-Huillca, Héctor Cardona Reyes, Cesar Gonzalo Vera-Vasquez, Jorge Gilbert Mamani-Calcina, Maria del Pilar Ponce-Aranibar and Silvia Espinoza-Suarez</i>	
Analysis of the study subject in Science, Technology and Innovation.....	187
<i>Hilda Angélica Del Carpio Ramos, Pedro Antonio Del Carpio Ramos, Francisco José García-Peñalvo, Jose Carlos Montes Ninaquispe, Valicha Cuadra Morales and Sergio Rafael Bernardo Del Carpio Hernández</i>	
Impact of Virtuality on Students' perception of University Quality	191
<i>César Sapaico Del Castillo, Fredy Delgado, Fernando Farfán, Karen Barrientos, Kristel Medina and Elizabeth Mamani</i>	
Challenges of E-learning in Covid 19 Pandemic.....	195
<i>Hanae Aoulad Ali, Mohamed Chrayah and Abdelhamid Bouzidi</i>	
Digital competencies in seniors: benefits, opportunities and limitations.....	198
<i>Lorena Colombo-Ruano and Carina S. Gonzalez-González</i>	
Evaluation of a SPOC for online teaching: the case of the #Dienlínea course of the International University of Andalusia.....	202
<i>María Sánchez González, Ildelfonso Martínez Marchena, Alejandro Carrasco Muñoz and Francisco José Ruiz Rey</i>	
Higher education response to the COVID-19: Do students feel comfortable studying with distance learning?.....	205
<i>Rifky Dora Wijayati, Zalik Nuryana, Andri Pranolo, Alfian Ma'Arif, Sularso Sularso and Suyadi Suyadi</i>	
Development of a teaching model based on lifelong learning through active methodological strategies.....	211
<i>F. David Trujillo-Aguilera, E. Beatriz Blázquez-Parra, Julián Calderón-Almendros, Antonio Martí-Campoy and Inmaculada Plaza-García</i>	

A Teacher Education Model for the Digital Age: Linking educational innovation and research	215
<i>Celia Paola Sarango-Lapo, Juanjo Mena, María-Soledad Ramírez-Montoya and Eulogio Real</i>	
University Teachers' Assessment of Virtual Education Quality	219
<i>César Sapaico Del Castillo, Fernando Farfán, Karen Barrientos, Fredy Delgado, Kristel Medina and Elizabeth Mamani</i>	
Didactic use of humor resources and memes in higher education	223
<i>María Nieto, Álvaro Antón, Manuel P. Rubio, Diego Vergara, Pablo Fernández and Ana I. Gómez</i>	
The use of online teaching tools in the Tourism Master of the University of Huelva after the COVID-19 pandemic	226
<i>Alfonso Infante-Moro, Juan C. Infante-Moro, Julia Gallardo-Pérez, Francisco J. Martínez-López and Mercedes García-Ordaz</i>	
Training of engineering educators for teaching creativity through a knowledge management system	232
<i>Jose Luis Martin Núñez, Cristina Núñez Del Río, Ana Jiménez Rivero, Alexandra Míguez Souto, Agustín Molina García and César García Aranda</i>	
The u-index: an alternative metric to measure academic impact	236
<i>Roberto Dillon</i>	
Trello: a management strategy in project-based learning	239
<i>Alex Lema and Liliana Enciso</i>	
Design of a Mobile Application to encourage Women's participation in STEM careers	243
<i>Valentina Ahumada, Rita Peñabaena-Niebles, Sebastian Amaris and Julian Saltarin</i>	
Learning about Student Performance from Moodle logs in a High Education Context	247
<i>Adrián Pérez-Suay, Steven Van Vaerenbergh, Maria Piles, Valero Laparra, Ana B. Pascual-Venteo, Ana B. Ruescas, Roberto Fernandez-Moran, Marina Martínez-García, José E. Adsuara, Julia Amoros Lopez, Jordi Munoz, Irene Epifanio and Miguel Ángel Fernández-Torres</i>	
Exploring the use of Wiris in the evaluation at an online course	251
<i>Edgar M. Marin Ballon and Fiorella L. Romero Gomez</i>	
Mirror classes as a tool for International educational development	255
<i>Peggy Gina Delgado del Carpio</i>	
Research hotbeds for teachers using active learning methodologies educational tool, to generate research culture at the Universidad Hispanoamericana of Costa Rica	259
<i>Cynthia Lopez Valerio</i>	
Automatic detection of students at risk of dropping out of school using mRMR and Late Fusion	263
<i>Daniel Zapata Medina, Jovani A. Jiménez Builes and Albeiro Espinosa Bedoya</i>	

A preliminary study about gender gap perception in informatics studies in Spain	267
<i>Alicia García-Holgado, Carina S. Gonzalez-González, Inmaculada García Fernández, Lourdes Moreno López, Edurne Barrenechea, Silvia Rueda, Ángeles G. Navarro, Paloma Martínez, Belén Masiá, Elena Navarro and Alicia Fornés</i>	
Virtual experiences: Visiting the school without leaving home	272
<i>Fernando Pantoja</i>	
Dual training: A key to create shared value	275
<i>Matias Escabini</i>	
The escape room as a teaching tool in the university virtual classroom: perceptions and learning results.....	278
<i>Marta Magadán-Díaz and Jesús I. Rivas-García</i>	
The Future Teacher Facing the Challenge of Teaching	282
<i>Nuria Antón Ros</i>	
Parental Media Mediation and Digital Security in Adolescent Students	285
<i>José Néstor Peraza-Balderrama, Maricela Urías-Murrieta, Angel Alberto Valdés-Cuervo, Ana Karen Álvarez-Zamora and Lizeth Guadalupe Parra-Pérez</i>	
Simulation of the Boeing 737-500 Aircraft Takeoff Warning System	288
<i>Daniel Alexander Garcia Rey, Gabriel Sebastián Inca Yajamín, Rodrigo Cristóbal Bautista Zurita and Esteban Andrés Arévalo Rodríguez</i>	