

2024 10th International Conference on Education and Technology (ICET 2024)

**Malang, Indonesia
10 October 2024**



**IEEE Catalog Number: CFP24Q41-POD
ISBN: 979-8-3315-2249-0**

**Copyright © 2024 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:	CFP24Q41-POD
ISBN (Print-On-Demand):	979-8-3315-2249-0
ISBN (Online):	979-8-3315-2248-3
ISSN:	2770-4793

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

Digital Learning Objects in Sipejar: A Learning Innovation for Social Personal Guidance and Counseling Courses <i>Devy Probowati; Arbin Janu Setiyowati; Irene Maya Simon; Elia Flurentin; Yuzi Putra Ananda</i>	1
How To Be an Effective Digital Charismatic Leader? Evidence from A Bibliometric Historiography <i>Imam Gunawan; Djum Djum Noor Benty; Vida Ayu Rahmalia Putri; Afrina Hanifah Mufidah; Syahdan; Retnani Latifah; Yohana Ika Harnita Sari; Gabriel Indra Widi Tamtama; Deriyan Senjaya</i>	6
Unlocking Potential: Smart Classroom Paradigms and Their Impact on Students' Metacognitive Development in Mathematics <i>Nurul Shida Binti Noni; Syarifah Hana Binti Syed Zubin; Nurul Aisyah Binti Othman</i>	14
Development of a Gamification Application "Osint Maniac" to Enhance Open-Source Intelligence (OSINT) Skills <i>Syubbanul Siddiq; Nurul Qomariasih; Rheva Anindya Wijayanti</i>	20
The investigation of artificial intelligence (AI) used in academic writing activities for online students' program <i>Yella Dezas Perdani; Gita Rahmi; Yessi Widyasari</i>	26
Development of A Flipbook Based on A Knowledge Management System to Improve The Integrity Character of Education Personnel in Tertiary Institutions <i>Otto Fajarianto; Arbin Janu Setiyowati; Muhibuddin Fadhli; Eka Pramono Adi; Arif Prastiawan; Widi Hasanah; Nasa Izza Aqillah Nur Farikh; Affero Ismail</i>	32
Assessment of E-Pocketbooks for Curriculum Management: Insights from Freedom to Learn Curriculum Implementation in University Laboratory Schools <i>Maisyaroh; Bambang Budi Wiyono; Sri Untari; Maulana Amirul Adha; Anabelie Villa Valdez; Indra Lesmana; Hanika Angelie; Isadatul Fadhila</i>	36
Mobile Augmented Reality Development for Culinary Learning Media Through Design Thinking Method <i>Rina Rifqie Mariana; Wahyu Nur Hidayat; Yon Ade Lose Hermanto; Mohammad Arief Nazaruddin; Rivan Adi Kurniawan; Nur Afni</i>	42
Leveraging Smartphone Applications for Emotional Recognition Education in Students with Autism Spectrum Disorder <i>Ahsan Romadlon Junaidi; Muchamad Irvan; Muhammad Nurrohman Jauhari; Joko Yuwono</i>	48
The Impact of Implementing a Web-Based E-Attendance System on Enhancing Student Learning Motivation in Vocational High School <i>Maulidiyah Junnatul Azizah Heru; Atika Jatimi; Wahyu Sulfian; Fakhrun Nisa' Fiddaroini; Zainal Munir; Novela Eka Candra Dewi</i>	52

Bridging the Digital Divide: The Role of Public Relations in Enhancing Digital Inclusivity <i>M Noer Fadli Hidayat; Hasan Baharun; Eny Nur Aisyah; Abdul Wahid Zaini; M. Aqil Fahmi Sanjani; Rizkiyah Hasanah</i>	59
Cyber Risk in Learning 4.0; Indigenous Parenting in Dealing With Children <i>Fathor Rozi; Ahmad Fawaid; Abd Basid; Wiwin Warliah; Abu Hasan Agus R; Ahmad Zubaidi</i>	67
Data Visualization of Online Differentiated Learning Implementation on Students' Time Spend in Learning <i>Citra Kurniawan; Ence Surahman; Deka Dyah Utami; Rumaizah Mohd Nordin; Widi Hasanah; Amiirah Aniisah</i>	74
Development of Go-Parents Application Based on Virtual Reality As a Form of Partnership Between Parents and Lab Schools in Reporting Children's <i>Rezka Arina Rahma; Ach. Rasyad; Lidya Amalia Rahmania; Ramdhan Fazrianto Suwarman</i>	79
User Experience with Grammarly's Generative AI: Ethical Implications for Improving Writing Skills <i>Asih Zunaidah; Chandra Kurniawan Wiharja; Danang Wahyu Wicaksono</i>	86
Classification of Epileptic EEG Spectrogram Images Using CNN: A Study on Magnitude, Phase, Imaginary and Complex Representation <i>Donny Setiawan Beu; Achmad Rizal; Inung Wijayanto</i>	92
Development of Interactive Multimedia "Komsiklopedia" to Improve Understanding of Puberty Material of Elementary School <i>Sang Aji Prawismo; Lilik Bintartik; M. Anas Thohir</i>	97
Examining Student Acceptance and Attitudes Toward the Learning Management System Through the Lens of the Technology Acceptance Model and the Information System Success Model <i>Arnold Aribowo; Hery; Yosua Imanuel Moku; Andree Emmanuel Widjaja; Calandra Alencia Haryani</i>	102
Immersive Spherical Video-Based Virtual Reality for Experiential Learning in High School <i>Hasan Argadinata; Wahyu Pratama Putra; Rody Putra Sartika</i>	108
Development of Learning Media Video on MOOC Platform Through Project-Based Learning (PjBL) <i>Wildan Zulkarnain; Bambang Budi Wiyono; Ali Imron; Maisyaroh; Dedi Prestiadi</i>	113
SocengGo: Social Engineering Educational Application Based on Attack-Defense Multiplayer Card Game <i>Fadel Azzahra; Nurul Qomariasih; Herman Kabetta; Hermawan Setiawan; Rheva Anindya Wijayanti; Taqiya Nabilla Nathania Afnani</i>	118

Student Responses to the Implementation of Experiment-Based Science Learning with the Hybrid Method Assisted by Action Camera <i>Ahmad Swandi; Muhammad Wajdi; Fina Melani Putri; Asrinan; Rafiah Mahmudah; Eko Hadi Sujiono</i>	124
Information Systems Project Management: a Review <i>Rudy Tjahyadi; Kayla Azzahra Kurniawan; Lovina Manuela Kristiadji; Rafael Omar Mario A. Z.</i>	130
PhishWise: Enhancing Students Understanding of Social Engineering Awareness in Phishing through Gamification <i>Rheva Anindya Wijayanti; Nurul Qomariasih; Syubbanul Siddiq; Syahrizal Yonanda Mahfiridho; Monica Christy Natalia</i>	136
Artificial Intelligence for Literature Class: Trends and Attitude <i>Elisabeth Ngestirosa Endang Woro Kasih; Suprayogi; Kristiawan Indrianto; Amarudin; Ahmad Vahry Lilam Putra</i>	142
E-Portofolio in Improving Critical Thinking and Self-Management through Lesson Study: A Study on Writing Pedagogy in Higher Education <i>Achmad Fawaid; Putri Handayani; Yahya Auliya Abdillah</i>	149
Paragraph vs Sentence in Automatic Question Generation Fine-Tuning using Text-to-Text Transfer Transformer for Bahasa Indonesia <i>Halim Wildan Awalurahman; Indra Budi</i>	155
Development of Learning Resources on Automation Manufacturing Systems to Enhancing Students' Creativity <i>Marsono; Ilham Ari Elbaith Zaeni; Erwin Komara Mindarta; Fitria Khasanah; Rama Adi Wijayanto; Monalisa Wirawan</i>	162
Leveraging IndoBERT and Google NLP for Learning Evaluation Tool <i>Rengga Prakoso Nugroho; Yerry Soepriyanto; Muhamad Tri Panunggal Aprianto; Aris Triwahyu Febriansah; Muhammad Syifa'ul Qolbi; Khusnul Khuluq</i>	168
Augmented Reality Research in History Education: A Bibliometric Analysis <i>Faishal Hilmy Maulida; Gamal Kusuma Zamahsari</i>	174
Teachers' Perception of Artificial Intelligence Integration in Learning: A Cross-Sectional Online Questionnaire Survei <i>Yovian Yustiko Prasetya; Yansen Alberth Reba; M Zaenul Muttaqin; Taufiqulloh; Purwo Susongko; Sitti Hartinah; Muslihati; Hanung Sudibyo; Yulius Mataputun</i>	179
Web Programming Learning Website with Achievement Goals-Oriented Approach to Increase Learning Motivation <i>Adiftya Bayu Prihandicha; Wahyu Nur Hidayat; Azhar Ahmad Smaradigna; Fadhel Naufal Akbar; Mochammad Mu'iz Afdloly; Mohammad Dzaki Yaumal Atsal; Hakkun Elmunsyah; Heru Wahyu Herwanto; Hartini Haji Mashod</i>	186

Assessing Self-Management of Technology Education Students Towards Self-Directed Digital Learning to Optimize Online Learning Experience <i>Marisol Jane M Beray; Angelica M Cubero; Robegine G. Casidsid; Rhessan Jade B. Codenera; Jalil E. Benito</i>	193
Research on Cross-disciplinary Collaborative Teaching Mode in Game Design and Development Courses <i>Jing Zhao; Astri Yulia; Rina Abd Shukor</i>	197
Facial Emotion Analysis for Evaluating the Suitability of Online Learning Modules: A Case Study on a MERN-Based Platform <i>Utara Setya Wardaya; Fitra Abdurrahman Bachtiar; Fajar Pradana; Daniel Moritz Marutschke</i>	201
The Digitalization Phenomenon in Indonesian Education: Progress, Challenges, and Government Strategies <i>Muhammad Takwin Machmud; Mahfuzi Irwan; Nurul Mu'tia Utami; Rosidah; Suchat Wattanachai; Charuni Samat; Fadhil Zil Ikram</i>	209
Enhancing Adaptive Learning in Technological Era: Creating Learning Object Material (LOM) in Digital Micro Module Desain Based on Case Method <i>Widya Multisari; Ella Faridati Zen; Adi Atmoko</i>	217
Examining Factors Influencing Behavioral intention in Mobile-based Assessment for Junior High School Students during the COVID-19 Pandemic in Indonesia <i>Saida Ulfa; Ence Surahman; Bambang Budi Wiyono; Agus Wedi; Syaiputra Wahyuda Meisa Diningrat</i>	222
Book Recommender System Using Content-Based Filtering for PNJ Press Website <i>Dewi Yanti Liliana; Rizki Elisa Nalawati; Ratna Widya Iswara; Alifiah Putri Aisyah; Hana Octavia Trinida Malo</i>	231
Conquer or Crumble: A Study of Student Experiences in Micro-credential Examinations using Text Mining Approach <i>Joan Katherine N Romasanta; Charlyn A. Malimata; Elmer M Aliño; Cedirick L. Santiago; Jozel Bryan M. Terrible</i>	237