

2025 International Conference on Information Management and Technology (ICIMTech 2025)

**Bandung, Jawa Barat, Indonesia
28-29 August 2025**

Pages 1-419



**IEEE Catalog Number: CFP25H83-POD
ISBN: 979-8-3315-9702-3**

**Copyright © 2025 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:	CFP25H83-POD
ISBN (Print-On-Demand):	979-8-3315-9702-3
ISBN (Online):	979-8-3315-9701-6
ISSN:	2837-2751

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

2025 International Conference on Information Management and Technology (ICIMTech)

Table of Contents

Title	Page Range
Digital Technology Adoption and Digital Literacy: The Support Factors for Entrepreneurial Intention	1-6
Vehicle Routing Problem with Clover Clustering and Adaptive Large Neighborhood Algorithm	7-12
Artificial Intelligence in Auditing: Assessing Its Influence on Auditor Decision-Making and Performance	13-18
Assessing the Determinants of AI-Driven Consumer Online Purchase Intentions by Amalgamating Extended Technology Acceptance Model and the Information Systems Success Model	19-24
Performance Analysis of Various Large Language Models in Sentiment Analysis	25-30
Analyzing Shared Features Between Countries to Create a Predictive Model on Disease Outbreaks	31-36
Behavioral Insights into Gen-Z Adoption Intentions on Alternative Mobile Ride-Hailing Platforms	37-42
Evaluating Current Perceptions of Digital Healthcare in Indonesia: Post-COVID-19 Realities	43-48
Assessing the Adoption and Future Trends of RPA in Education Industry: A Systematic Literature Review	49-54
Performance Analysis of Residual Networks in Brain Tumor Detection from Medical Imaging Data	55-60
The Review of Relative Advantage and Intention to Use Digital Payment	61-66
Challenges and Opportunities of Generative AI in Accounting Education: A Systematic Literature Review	67-72
Automated Public Announcement System Using Template-based Natural Language Generation	73-78
Artificial Intelligence on Corporate Social Responsibility: Comparing Literature Review and Normative Ethical Stances	79-84
Evaluating Modern Deep Learning Architectures for Brain Tumor Detection	85-90
Developing Fast Healthcare Interoperability Resources Implementation Guide for Indonesia Health Services	91-96
Comparative Study of BERT and KNN Algorithms for Indonesian Climate Change Sentiment Analysis	97-102
Systematic Literature Review of Hybrid Metaheuristic Algorithms for Feature Selection in Classification Tasks	103-108
Leveraging Implicit Feedback for Personalized Book Recommendations in Digital Library using ALS and SVD++	109-114
A Comparative Study Between Kotlin and Dart in Making a Simple CRUD Mobile Application	115-120
UX Analysis of AI-Based Code Editors Using Think-Aloud and System Usability Scale	121-126

2025 International Conference on Information Management and Technology (ICIMTech)

Table of Contents

Sentiments Analysis Using Bayesian-Optimized Binary Coordinate Ascent and Chi-Square Feature Selection	127-132
Phishing Website Classification Using Tree-based and Neural Networks Model	133-138
The Role of Chatbot Conversational Skill and Social Presence in Building Trust and User Engagement within E commerce	139-144
Exploring the Drivers of Digital Banking Usage Intention: Perspective from UTAUT 2	145-150
User Experience Analysis of AI-Based Interview Platform for Job Seekers Using System Usability Scale and Concurrent Think Aloud	151-156
AI-Driven Synergy in Social Media and Information Systems Integration: Insights from a Systematic Literature Review	157-162
Beyond Usability: Evaluating User Adoption of AI-Powered Tourism Application using A Combined Approach of SUS and TAM	163-168
Is the Presence of AI Agents a Threat or Opportunity for MSME Entrepreneurs in Indonesia?	169-174
The Role of Gamification Elements in Digital Banking Adoption	175-180
Users' Loyalty on Online Grocery: The Influence of Customer Experience and Engagement	181-186
Artificial Intelligence in Mobile Devices in Indonesia: The Role of Trust, Quality, and Price in Consumer Satisfaction with AI-Powered Smartphones	187-192
Understanding ChatGPT Adoption in Manila Universities: A UTAUT2 Approach on Hedonic Motivation and Habitual Use	193-198
Balancing Screen Time and Children Development: An HCI Framework for Designing Preschool Digital Platforms in Indonesia	199-204
Comparing Mobile Legends and Wild Rift using LDA Method	205-210
The Effect of Gamification on AI Ethics Awareness in College Students from Indonesia	211-216
Machine Learning Benchmarking Pipeline from Public Electronic Health Records for Multiple Condition-Specific Cohorts	217-221
Understanding Effects and Advantages of Artificial Intelligence ChatGPT's for Higher Education Students	222-227
Research and application of smart retail decision support system based on big data technology	228-233
Advanced Machine Learning Models for Predicting Irrigation Water Quality: A Comparative Study of LSTM, SVM, and XGBoost Algorithms in Rice Cultivation	234-239
Implementing Artificial Intelligence in the Tourism Industry: A Framework	240-245
Comparative Analysis of RF-DETR and YOLOv12 in Breast Cancer Detection and Classification	246-251
A Technology-Driven Solution for Food Waste Management: Enhancing Sustainability	252-257

2025 International Conference on Information Management and Technology (ICIMTech)

Table of Contents

Evaluating Random Forest and Support Vector Machine in a Web-Based Student Graduation Prediction System	258-263
Integrating Traditional NLP Techniques And Generative AI For Emotion Classification In Tweets Regarding 2024 Indonesian Presidential Candidates Using Deep Learning	264-269
Integration of Knowledge Graph and BERT for Sentiment Analysis of Indonesian Product Reviews	270-275
Comparative Analysis of XGBoost and KNN for Heart Attack Prediction Using Imbalanced Data	276-281
Towards Federated Health Information Exchange Architecture in Indonesia: Design and Implementation	282-287
Design and Evaluation of an Android-Based Auto Lockscreen Application to Support Parental Control in Child Device Usage	288-293
Enhancing School Information Management and Promotion Through a Digital System at Darul Furqan Foundation	294-299
Leveraging Artificial Intelligence and Smart Information Systems to Enhance Tourist Advocacy	300-305
AI-Powered Keyword Extraction and Sentiment Profiling of Food Delivery Reviews using T5	306-311
Comprehensive Machine Learning Techniques for the Detection of Malicious QR Codes and URLs	312-317
Evaluating Public Acceptance of AI Art Technologies: A Demographic, Psychological, and Anxiety-Based Analysis in the Indonesian Context	318-323
Roles of Blockchain In Tracing Logistics and Validating Trade Payments: Systematic Literature Review	324-329
Users' Intentions to Use Product Review Feature for Purchasing in Indonesian E-commerce	330-335
Comparing Random Forest and Naïve Bayes for Sentiment Analysis of ChatGPT and DeepSeek	336-341
The Influence of AI-Driven Social Commerce, Influencer Marketing, and Fear of Missing Out on Fashion Purchase Intention	342-347
Comparative Study of CNN Architectures for Tomato Leaf Disease Detection	348-353
Exploring the Impact of Information Overload on Consumers' Online Shopping Behavior in DKI Jakarta.	354-359
Greenwashing in Indonesia Through the Lens of Social Media: A Latent Dirichlet Allocation Approach	360-365
Beyond Entertainment: How AI, Perceived Value, and Service Quality Drive Customer Engagement and Customer Loyalty in Video Streaming Platform	366-371
Continuance Intention of QRIS Payment Adoption for Indonesian Micro and Small Business: An Expectation Confirmation Model	372-377
Blockchain Technology for Sustainability: Integration and Policy Support in Thai Food Industry	378-383

2025 International Conference on Information Management and Technology (ICIMTech)

Table of Contents

Essential Factors Influencing Smart Healthcare Implementation: A Perspective of Leavitt Diamond and TOE Model	384-389
How Machine Automation Shapes Performance Optimism: The Roles of Job Insecurity, Work Engagement, and Conscientiousness	390-395
Understanding the Acceptance of Facial Recognition Payments in Mobile Banking Transactions: A Technology Acceptance Model Approach in Indonesia	396-401
Emerging AI Adoption in Indonesian Cinema: Patterns, Applications, and Ethical Considerations	402-407
Supporting Inclusive Learning Through Technology: Evaluating a Digital Learning Module	408-413
Trust and Performance Outweigh Privacy: Generative Artificial Intelligence Adoption Among Undergraduate Students	414-419
Performance and Security Assessment of IPsec VPN Implementations Using Various Network Devices	420-424
Evaluating the Effectiveness of Original ResNet Models in Pneumonia Detection Using Medical Image Data	425-430
The Use of AI in Education: A Systematic Literature Review	431-436
Crack Detection Technique based on Convolutional Neural Network (CNN) for Buildings Inspection System	437-440
A Framework for Developing Datamining based on Analysis of Business Services in University Libraries	441-446
Analysis of Factors Influencing Customer Satisfaction on Public Transport and Mobility Apps	447-452
The Hybrid Blockchain Model to Enhance The Transparency of Hotel Sanitation	453-458
Systematic Literature Review on General-Use Handwritten Document Processing Using OCR and LLM in Mobile Application	459-464
Bridging Technology Acceptance and E-Commerce Success: Effects on Adoption Intention, Users' E-Satisfaction and Actual Behaviour	465-469
QRIS Adoption in Digital Payments: A Study on User Satisfaction and Intention to Use	470-475
Comparative EEG Analysis of Fast-Paced versus Slow-Paced Gaming Experiences in Game User Research	476-481
An Octalysis Framework Audit for Analyzing Gamification in Quizizz	482-487
Integrating Time Series Analysis with Financial Fundamentals for Enhanced Stock Price Forecasting using Deep Learning	488-493
Detecting Rice Leaf Diseases with YOLOv8: A Scalable Solution for Precision Agriculture	494-499
Information Systems in Healthcare: Machine Learning-Driven Diagnostic Support System for Early Detection of Diabetes	500-505
Artificial Intelligence in Magnetic Resonance Imaging (MRI): A Systematic Review of Deep Learning Techniques for Medical Diagnosis	506-511

2025 International Conference on Information Management and Technology (ICIMTech)

Table of Contents

Multi-view Facial Emotion Recognition using Attention-based Convolutional Network For Human-machine Interaction	512-517
Live Streaming and Its Effect on Impulse Buying in Indonesian Fashion Electronic Commerce	518-523
AI Agents in Customer Service: Enhancing MSME Competitiveness through Automatic Systems	524-529
Transforming Auditing with Data Analytics: Examining the Influence of Big Data, Analytical Tools, and Data Quality	530-535
Development of "Mathgician": A Differentiated and Gamified Instructional Website for Fourth Grade Multiplication Learning	536-541
Augmented Reality as Marketing Tools to Drive Consumer Decision Making	542-547
Customer Experience and Satisfaction: The Impact of Augmented Reality In Online Shopping	548-553
Blockchain-based Drug Oversight Model for the Case of Indonesia	554-559
Prediction of Heart Attack Disease Using Data Mining Algorithm	560-565
Deepfakes and Their Impacts on Visual Storytelling in Media Industries: A Literature Review	566-571
Cluster Analysis of Indonesian Hospital Service Quality Using Online Review Mining	572-577
Enhancing User-Generated Content with Artificial Intelligence for Personal Branding to Boost Digital Marketing	578-583
Impact of Gamification on Student Learning and Motivation in Introductory Programming Courses	584-589
A Fresh Look: User Perceptions of a Revamped Language Learning Platform	590-595
Development of Augmented Reality (AR) Based Science Practice Application	596-601
Evaluating LSTM, GRU, and Transformer Architectures for Music Note Pattern Generation with Small MIDI Datasets	602-607
Malware Detection on Android Using Machine Learning	608-613
Extending the Technology Acceptance Model: Investigating Fintech Adoption Among SMEs in Indonesia	614-619
Machine Learning Techniques for Maternal Health Risk Prediction: A Comparative Performance Analysis with Real-World Data	620-625
Feature Implementation of Lunar Cycles for Flood Disaster Classification using Bi-LSTM	626-631
Trust and Security in Digital Payments Drive Small Business Growth in Bandung	632-637
The Role of Consumer Trust in Adopting AI Technologies on Indonesian E-commerce Platforms	638-643
Analysis of Student Consumer Behavior in Using E-commerce Platforms: An S-O-R Framework Approach	644-649

2025 International Conference on Information Management and Technology (ICIMTech)

Table of Contents

AI-Driven Innovation in Metropolitan Online Transportation: A Systematic Literature and Sentiment Review	650-655
Improving Online Merchant Evaluation Through Sentiment Analysis	656-661
Exploring UTAUT2 Constructs in Generation Z's Behavioral Intention To Use Canva AI	662-667
Paradigm-Scale: IoT-Integrated Digital Scale for Post-Harvest Accuracy in Sragen Agriculture	668-673
Multi-Task Face Attribute Detection with Faster R-CNN	674-679
Understanding Guest Review From Google Play Using Naïve Bayes-Based Data Analysis: A Study on Nanovest	680-685
Identifying Key Drivers of the Indonesian Entrepreneurial Performance Using Machine Learning and RapidMiner	686-691
Era of the Girl: Postfeminist Identity Construction Through #Girlhood Trend on TikTok	692-697
The Role of Artificial Intelligence in Enhancing Customer Experience in Digital Marketing: A Systematic Literature Review	698-703
Stock Prediction Based on Technical Indicators and News Using LLAMA, Exploring LLM Possibilities in Financial Context	704-709
From Prompt to Profit: The Role of AI-Human Synergy in Growing Student Startups	710-715
Analysis of User Experience Using AI Features in Mobile Video Editing Software With UEQ Methods	716-721
Comparing the User Experience of Split Bill Features on E-Wallet Application Using System Usability Scale and Cognitive Walkthrough	722-727
Real-time Attack Simulation and Detection Using WAZUH and Telegram Alerts	728-733
Analysis The Role of External Auditors to Improve Cybersecurity of Financial Reporting's Information	734-739
Modeling Gen Z's Emotional Engagement in AI-driven Personalized Playlists: Spotify Daylist Case Study	740-745
Predicting Bank Share Prices in Indonesia using News Sentiment Analysis	746-751
The Impacts of Using Perplexity AI in Business Chinese Vocabulary Learning for University Students	752-757
Cloud Accounting Adoption with Satisfaction as a Moderation in MSMEs in Jakarta	758-763
Building Resilience Through Infrastructure Risk Management: Linking ERP, Governance, and Supply Chain Sustainability	764-769
Modeling Consumer Preferences and Forecasting Cattle Demand With AI : A Conceptual Design for Prabufarm	770-775
COMPARATIVE ANALYSIS OF GENERATIVE AI RESPONSES TO PROMPT PARAMETERS WITH AN EXPERIMENTAL APPROACH	776-781
Important Roles of Artificial Intelligence in Continuous Glucose Monitoring: A Systematic Literature Review	782-787

2025 International Conference on Information Management and Technology (ICIMTech)

Table of Contents

Imagination Over Intelligence? Assessing Determinants of Willingness to Accept AI-Based Tourism Advertising in the Chinese Digital Landscape	788-793
Redesign Website HalloPets Using Design Thinking Method	794-799
From Technology to Digital Ecosystem Engagement: Investigating Students' Satisfaction with the Distance Learning Experience	800-805
Online Shopping Platform Preferences: The Role of Product Assortment and Social Influence	806-811
Data-Driven Product Segmentation for Sustainable Microbusiness Optimization	812-817
Financial Technology Adoption Among SMEs in Klang Valley: A TAM-Based Analytical Approach	818-823
Optimizing PostgreSQL Functionality with PL/Dotnet: A Performance Comparison and Procedural Integration	824-829
AI in Creative Economy as a Key Factor Influencing Gen Z Employee Productivity	830-835
Enhancing User Attitudes through Mobile Marketing: The Roles of Informativeness and Brand Satisfaction in Social Media Advertising	836-841
Decentralized Finance (DeFi) for Carbon Markets with Blockchain Technology	842-847
Technology Readiness and Psychological Barriers in Adopting News Radio Applications: A Comparative Study of Indonesia and Malaysia	848-853