



## FOREWORD

I am very pleased to see that the Volume 25, Number 2 of IJCIM includes selected papers as proof of our ongoing commitment to serve the community of researchers. We will continue to collaborate to making our journal better. Please carefully look at guidelines about paper format at [www.ijcim.th.org](http://www.ijcim.th.org) and send your papers on topics of current interest in computer sciences, Internet technologies and management for the upcoming issues to me ([charmonman@gmail.com](mailto:charmonman@gmail.com)). I will get your paper reviewed by experts in your field. If the initial response is favorable, I will request you to submit your camera-ready final paper as soon as possible for publication in the next edition of IJCIM.

The first paper titled “The Impact of Culture and Gender on Attitudes toward Social Media Use for Educational Purposes” is written by **Adam Acar from Turkey**. This paper was an exploratory study to investigate the relationship between culture, gender, and overall attitudes toward social media use for educational purposes. The result indicates that students from collectivist countries have more positive attitudes toward using Facebook for their learning activities.

The second paper titled “Design Data Flow Diagram for Supporting the User Experience in Applications” is written by **Wati Wulandari and Albertus Dwi Yoga Widiantoro from Indonesia**. This paper presented about the Design Data Flow Diagram for Supporting the User Experience in Applications due to the current period, application is a medium which widely used by the public, and one of the important step for all application developers was to describe the working process of their designed applications from beginning to the end.

The third paper titled “Web Based Remote Controlling and Condition Monitoring of the Heavy Machineries” is written by **Akhil Deshpande, Vinayak Kulkarni, and Anuj Deshpande from India**. This paper focused on the concept of building a custom Web Application for controlling and monitoring heavy machineries by providing flexibility in operation from any remote location, because the future trend of industry was an ability to use of heavy machineries located at different location which run unmanned.

The fourth paper titled “Different Acceptance to Use E-Learning Technology among Students and Lecturers in Higher Education: a Literature Review Study” is written by **Bernardinus Harnadi from Indonesia**. This paper was done to reveal the different acceptance among students and lecturers to use e-learning technology through reviewing several studies in user’s acceptance of the technology and the barrier to adopt it. The result shows that students and lecturers have similar and different factors that affect their acceptance and barrier to adopt e-learning technology.

The fifth paper titled “Hortari: a Gamification Application for Engaged Teaching and Learning in Higher Education” is written by **Junar Landicho, Anghela Perpetua Dela Cerna, Jeric James Marapao, Gerwin Balhin, and Rachele Paid from Philippines**. This paper was done to create Gamification Application in both web and mobile to motivate and engage students in learning their lessons to a certain subject. The study presents that the incorporation of gamification into classroom activities has shown positive results in terms of student’s performance and productivity, while incorporating lessons, creating syllabus, and integrating table of specification were among the fundamental features of the application that made it distinctive to the other existing Gamification Application.

The sixth paper titled “Customer Engagement through Social Media: Learnings from Hospitality Industry in India” is written by **Amit Jain, Shubham Jain, and Sonal Jain from India**. This paper was done to review the literature and a primary research in order to see the changes happening in the hospitality industry from social media point of view and to check the extent and effectiveness of the use of popular social media platforms by the largest hospitality brands in India, due to the development of new offline and online models in past decades has forced the hospital industry to go back to the basics and develop connect with its customers. The objective of this study was to understand the status and find out the gaps that need to be plugged for effective customer engagement through various social media platforms.

The seventh paper titled “Montessori and the Internet Giants is the Montessori Education, a Success Factor for Innovations for IoT and IT Companies? Could it be the Solution for Rapid Improvements not only in ASEAN Schools?” is written by **Andreas Becker from Germany and Jarinya Sonvisai from Thailand**. This paper was conducted to review the concept of Montessori and the Internet Giants by relying on the idea of Maria Montessori who developed quality of ASEAN School around hundred years ago, as well as to find out whether or not the Montessori Education is a success Factor for Innovations for IoT and IT Companies, and whether or not to rapidly improve in other places beside ASEAN School.

The eighth paper titled “Asian Currencies Forecasting and Modelling Using a Time Series Analysis” is written by **Krisada Khruchalee from Thailand**. This paper was done to Forecast and Model the Asian foreign exchange rate by using the extension of time series analysis technique proposed by Box-Jenkins (1970), which it was universally known as an Autoregressive Integrated Moving Average with Explanatory Variable or “ARIMAX”.

The ninth paper titled “System Architecture for Green University Resource Planning on Cloud Computing” is written by **Jarumon Nookhong and Prachyanun Nilsook from Thailand**. This paper proposed to study and develop the design of the system architecture for Green University Resource Planning (GURP) on Cloud Computing by dividing into two phases of study include the design of the system architecture of GURP on Cloud Computing, and the assessment of the system architecture of GURP on Cloud Computing.

The tenth paper titled “Controlling Unmanned Ground Vehicle by Smart Phone” is written by **Suttilug Choonprawat, Songpon Nakharacruangsak, and Theerapol Limsatta from Thailand**. This paper reviewed the effectiveness of an Controlling Unmanned Ground Vehicle application used through Smart Phone to assist the vehicle to avoid dangerous place unidentified by human.

The eleventh paper titled “Effectiveness of Building Inspection Policy Implementation in Bangkok, Thailand According to Building Control Act B.E. 2522 (A.D. 1979)” is written by **Chanuan Uakarn, Uthai Shinawatra, Darran Yutthawonsuk, Tanapon Chotivorrawat, and Kajohnsak Chaokromthong from Thailand**. This paper investigated the Effectiveness of Building Inspection Policy Implementation in Bangkok, Thailand based on building Control Act B.E. 2522 (A.D. 1979) by conducting through both qualitative and quantitative study.

The twelfth paper titled “IoT for Smart Small Irrigation System” is written by **Pitchaya Jamjuntr from Thailand**. This paper measured the water content in soil and crop growth monitoring using Raspberry Pi, as the water level required for agriculture purpose was analyzed by using soil moisture sensor. This paper shows that the system control the pump automatically when the moisture level is lower than the suitable level.

The thirteenth paper titled “Management Affecting Quality Management Principles of Certified Accounting Practice in Thailand” is written by **Chalida Linjee and Kanokmani Homkaew from Thailand**. This paper done to study the management that affected the Quality

Management Principles of the Certified Accounting Practice Office in Thailand by conducting quantitative survey through certified accounting practise office executives.

The fourteenth paper titled “Wireless Sensors Based Approach for Agricultural Tracking and Notification” is written by **Waris Rattananimit from Thailand**. This paper proposed a model for Wireless Sensors Based Approach for Agricultural Tracking and Notification. This paper presents that the Sensors and Microcontrollers were successfully interfaced with NodeMCU and Wireless Communication was achieved between various Nodes.

The fifteenth paper titled “Improvement of Electromagnetic Wave Propagation Using Novel Finite Element Methodology” is written by **Nattapon Jaisumroum and Somsak Akatimagool from Thailand**. This paper presented a new numerical analysis approach to improve simulation software by applying the finite element strategy for electromagnetic problem, by showing the analyzed patterns of electromagnetic wave and propagation in various medium, which would be able to decrease education and research related budgets.

The sixteenth paper titled “Constructing a Thai Homestay Standard Assessment Model by Implementing a Decision Tree Technique” is written by **Tiwawan Takran, Bungon Chartrungruang, Nuttiya Tantranont, and Samerkae Somhom from Thailand**. This paper investigated to analyze the Thai Homestay Standard assessment guideline of the Homestay Standard Assessment Committee and to incorporate the guideline for constructing a Homestay Standard Assessment Model by classifying the assessment of 10 components and 31 indicators into both qualitative and quantitative indicators.

The seventeenth paper titled “The Impact of Cultures on Human Behaviors: a Qualitative Meta-Analysis of Cross-Cultural Studies” is written by **Malisa Komolthiti from Thailand**. This paper aimed to answer the question of what are the Impact of Cultures on Human Behaviors and what are the methodologies used in this areas by investigating the Impact of Cultures on Human Behaviors in different contexts and the methodology used in Cross-Cultural Studies with the emphasis on educational setting. This study applied qualitative-meta analysis design.

The eighteenth paper titled “Does Organizational Learning Affect an Organization’s Balanced Scorecard Performance? Evidence from Thailand’s Higher Education Institutions” is written by **Pornprom Prompes, Chanongkorn Kuntonbutr, and Natnarong Jaturat from Thailand**. This paper focused on the relationship between Organizational Learning and Organizational Success in Thailand’s Higher Education Institutions. This paper was done to investigate the effect of Organizational Learning on different aspects of Organizational Performance. The results were based on secondary data collected.

The nineteenth paper titled “A Guideline for Forest Development to Promote Mini-Hydropower: a Case Study in 4 Community Forests in Lampang Province” is written by **Boriboon Boonyuhong, Mechai Pattarapremcharoen, Pisit Maneechot, and Nuttiya Tantranont from Thailand**. This paper aimed to obtain a guideline for accelerating development of community forests that ideally can serve hydropower all year long like natural ones, and the survey from 4 community forests in Lampang Province indicates that the current rehabilitation programs were inefficient in providing water resources for hydropower. Thus this study developed a “Water-drawing trees’ roots” model.

The twentieth paper titled “A Classification Model for Predicting Standard Levels of OTOP’s Wood Handicraft Products by Using the K-Nearest Neighbor” is written by **Jittaporn Tarapitakwong, Bungon Chartrungruang, Nuttiya Tantranont, and Samerkae Somhom from Thailand**. This paper done to develop a Classification Model for Predicting Standard Levels of OTOP’s Wood Handicraft Products by Using the K-Nearest Neighbor (K-NN), and the analysis software Weka used for applying the k-fold cross-validation method to our datasets in order to develop candidates of Classification Models.

The twenty-first paper titled “Factors Motivating Thai Women towards the Use of Cosmetics” is written by **Anchuree Sansaneeayasakun from Thailand**. This paper done to understand the theories of each factor that have impact on Thai Women toward the Uses of Cosmetics, to find out the relationship of each one if it is related, and to understand the motivational factors that encourage Thai Women to Use of Cosmetics.



**(Prof. Dr. Srisakdi Charmonman)**  
**Senior Editor-in-Chief of IJCIM**  
**Srisakdi Charmonman Institute,**  
**Siam Technology College**