



FOREWORD

I am very pleased to see that the Volume 27, Number 3 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 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). 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 “Implementation of the IoT and Cloud Technologies in Education System” is written by **Ajit Singh from India**. This paper focused to present the integration of Cloud and IoT for education system, due to connected devices can help make life easier for students with special needs, and many of the daydreams for IoT in education involve students taking advantage of new technologies to complete cool new projects.

The second paper titled “Development of Smart Tourism System on Website and Android Application Support Pakprak Community's Tourism, Muang District, Kanchanaburi Province” is written by **Sittiphong Pornudomthap, Patcharin Boonsomthop, and Saowakon Boonsomtob from Thailand**. This paper was an applied research with the purpose to design and develop the Android Application website to support tourism in Pakprak community becoming a Smart Tourism community, to try out the Application website with people who live or work in Pakprak community and general tourists in the area, and to study the level of satisfaction of users towards the pattern of information present through the website to support tourism in Pakprak community to become a Smart Tourism community. The research process consists of 3 steps: 1) system analysis, 2) system development process, and 3) system installation.

The third paper titled “New Active Learning Model with Formative Assessment in Large Classroom” is written by **Cherisa Nantha, Jirarat Sittiworachart, and Paitoon Pimdee from Thailand**. This paper was a qualitative research done to study, analyze, and synthesize the model of Active Learning with Formative Assessment (ALFA) in Thailand, with related books, researches, articles and websites were the sources of data.

The fourth paper titled “The Asset Value Volatility Improvement of Merton KMV Credit Model: the Case Study of Thailand Listed Companies” is written by **Pornpong Sakdapat from Thailand**. This paper applied asset volatility input of Merton KMV model using conditional volatility processes: GARCH EGARCH IGARCH (ACVG) to eliminate the effect of external stock volatility in calculating distance to default measure of the company, by based on Thai listed companies in the stock exchange of Thailand (SET).

The fifth paper titled “Training Curriculum Development on Information Technology to Enhance Local Community Products in Ratchaburi: a Community-Based Participatory Study” is written by **Wilaiporn Chaiyasit, Darawan Yananan, Sathaporn Janu, Adisak Honok, and Arnut Northongkum from Thailand**. This paper proposed to develop training curriculum on information technology enhancing local community products in Ratchaburi province, to investigate an effectiveness of a training curriculum development on information technology enhancing local community products in Ratchaburi province, and to investigate a user’s satisfaction toward a Training curriculum development on information technology enhancing

local community products in Ratchaburi province, and samples of the study included a group of local product manufacturers and entrepreneurs in Ratchaburi province.

The sixth paper titled “Model of Blended Learning to Enhance Critical Thinking Skills of Vocational Students” is written by **Wichian Deechai and Sirirat Petsangsri from Thailand**. This paper affirmed a model of blended learning to enhance critical thinking skills of vocational students, and the informants were nine experts obtained from network sampling, with a model of blended learning to enhance critical thinking skills and an appropriateness evaluation form were used as research tool. Data were collected using the focus group approach, while content analysis, mean, and standard deviation were applied to analyse the data.

The seventh paper titled “Students’ Perceptions of E-Learning: the Case of ACU Certificate Course” is written by **Jutima Methaneethorn from Thailand**. This paper was an action research aims to investigate students’ perceptions of ACU E-Learning, developed by ASEAN Cyber University Project, by focusing on actual online learning experiences of students at Lampang Rajabhat University in Thailand, due to the e-learning was targeted to be used within ASEAN region to support higher education by exploiting the power of e-learning.

The eighth paper titled “Management and Achievement Motivation Factors Influencing Decision Making in Smart Agribusiness 4.0 of Phranakhon Si Ayutthaya Rajabhat University Students by Logistic Regression Analysis” is written by **Yannavit Narayaem and Prasopchai Pasunon from Thailand**. This paper focused on the study of the decision making of young generation people to do smart agribusiness, and the purpose of this research were to study the demographic factors, management factors, and achievement motivation factors.

The ninth paper titled “An Improved Items Recommendation for Memory-Based Collaborative Filtering Technique” is written by **Kittisak Onuean, Sunantha Sodsee, and Phayung Meesad from Thailand**. This paper aims to improved Items Recommendation for Memory-based Collaborative Filtering Technique, by concerning rating item about users and knowing new prediction rating based on Memory-based Collaborative Filtering Technique.

The tenth paper titled “Creation and Technique with Causal Model” is written by **Aryut Ruangtong from Thailand**. This paper done to review a principle, an analysis process, a design method, a casual model development process, and a result discussion, due to a casual model was one of a tool using in a research process, also this model was widely used in this kind of research by this period.

The eleventh paper titled “Development Strategy for Survival and Thriving of Thailand SMEs” is written by **Taninrat Rattanapongpinyo from Thailand**. This paper aims to study current situation and problems, factors affected and related to, and development strategy for survival and thriving of Thai SMEs firms in Phetchaburi Province, by applying questionnaires and interviewing from 400 samples of local entrepreneurs as data collection method.

The twelfth paper titled “Influences of Service Innovation toward Effectiveness of Work Performance of Car Sales Representatives in Bangkok” is written by **Sirawish Supradith and Prasopchai Pasunon from Thailand**. This paper done to study influences of service innovation and customer orientation toward effectiveness of work performance of car sales representatives in Bangkok, and the samples of the research were 240 car sales representatives in Bangkok, while questionnaire was used to collect the data.

The thirteenth paper titled “Factors Affecting the Success in Implementing Accounting Software Packages of Small and Medium Enterprises in Bangkok” is written by **Chalida Linjee and Kanokmani Homkaew from Thailand**. This paper was the quantitative research done to study factors affecting the success of using accounting software packages of small and medium

enterprises in Bangkok, and the population of this research were 408 accountants which using accounting software packages.

The fourteenth paper titled “Needs Assessment of Organizational Health of School Under Primary Educational Service Area Office” is written by **Chanchai Wongsirasawat, Phadungchai Pupat, and Sawat Phetchabun from Thailand**. This paper examines needs assessment of organizational health of school under primary educational service area office, as the main purposes of this study were: to study organizational health of school under primary educational service area office and to explore needs assessment of organizational health of school under primary educational service area office.

The fifteenth paper titled “A Ubiquitous Learning Model for Deaf Students to Enhance Media Literacy in Thailand” is written by **Nantarat Anukool and Sirirat Petsangsri from Thailand**. This paper done to develop a ubiquitous learning model suitable for deaf students in Thailand by conducting through focus group interview. The sample included seven specialists; three persons were educational technology specialists; two persons were information technology specialist, and the other two persons were specialist in teaching and learning for deaf students.

The sixteenth paper titled “A Conceptual Solution for Raising the Quality of Startup Business with Smart Technology” is written by **Natthaphong Luangnaruedom, Nattapat Nuanmaneethiti, and Manyad Limoransuksakul from Thailand**. This paper proposed the Conceptual Solution for Raising the Quality of Startup Business with Smart Technology, due to smart Technology is the new innovative solution that can solve the problems and can be uprising the quality of startup business’ processes on technology.

The seventeenth paper titled “Factors that Affect Consumer Satisfaction in Using the Service Restaurants that Use Automatic Food Ordering Programs in Bangkok” is written by **Phetcharaporn Wongluang, Chanpen Wisunyakhajorndej, Tichcha Boonrueangkhaio, and Kankamon Naksrisang from Thailand**. This paper done to study the factors affected the satisfaction of consumers in using restaurants that use the automatic food ordering program in Bangkok, by using questionnaires with 5 levels rating scale for data collection through consumers who come to restaurants that use the automatic food ordering program in Bangkok.

The eighteenth paper titled “The Impact of Human Resource Development and Performance Improvement through Continuous Improvement among the Various Levels of Employee Positions in Business” is written by **Chanakan Chavaha, Chanongkorn Kuntonbutr, and Natnarong Jaturat from Thailand**. This paper presents a conceptual model to develop employees’ performance using a human resource development (HRD) and business strategy (Continuous Improvement) to practice within the organization.

The nineteenth paper titled “Needs Assessment for Accident Prevention in Crude Palm Oil Industry” is written by **Thanasarn Dejchana, Krissana Kiddee, and Thanin Ratana O-larn from Thailand**. This paper done to assess the need for accident prevention in crude palm oil industry and to prioritize the need for accident prevention in the crude palm oil industry by using authentic assessment and expected on the prevention of accidents in all four aspects to collect the data include: 1) management; 2) machinery and equipment; 3) environment and plant layout; and 4) worker behavior.

The twentieth paper titled “Security Guard Curriculum Development of Security Guard License According to Business Security Act B.E. 2558 (2015) Using Delphi Technique” is written by **Kajohnsak Chaokromthong, Surachai Wattanachan, and Darran Yutthawonsuk from Thailand**. This paper done to make trainees of Security Guard Curriculum clearly understand procedure and include current operating conditions for life and property safety; to make trained staff of Security Guard Curriculum can be registered as qualified Security Guard License; and to

make standardization of Security Guard Curriculum, while Delphi Technique was selected as the research method and collecting data for 3 times.

The twenty-first paper titled “Leadership Styles and Job Performance Effectiveness of Autonomous Professionals Operating Line in Private Universities” is written by **Ariya Phuvakeereevivat from Thailand**. This paper presents the case studies in private university with the purposes to study the work independence of professional staff, and work efficiency and Leader's support Change and exchange leaders and work efficiency of work is independent of professional operating staff.



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