

Program Schedule

Thursday 19 th May 2022	
09:00 – 10:00	Starting Virtual Conference System
10:00 – 10:15	Report by Assistant Professor Dr. Dr.-Ing. Sunantha Sodsee , <i>Dean, Faculty of Information Technology and Digital Innovation</i> <i>King Mongkut's University of Technology North Bangkok</i>
10.15-10.30	Welcome Speech by Assistant Professor Dr. PhotJanee Sukchaona , <i>President of Kanchanaburi Rajabhat University</i>
10:30 – 10:45	Opening Ceremony by Professor. Dr.-Ing. habil. Suchart Siengchin , <i>President of King Mongkut's University of Technology North Bangkok</i>
10:45 – 11:00	Invited Keynote Speech by: Assoc. Prof. Dr. Guidong Zhang , <ul style="list-style-type: none">• School of Automation, Guangdong University of Technology, China.
11:00 – 12:00	Invited Keynote Speech by: Prof. Dr. David Abramson , <ul style="list-style-type: none">• Director, Research Computing Centre, The University of Queensland, Australia, Professor of Computer Science, FACM, FIEEE, FTSE, FACE.
12:00 – 13:00	<i>Lunch</i>
13:00 – 17:00	Paper Presentation

Thursday 19th May 2022

ROOM: I (Sensor, Networking, Signal Processing, Image Processing and Related fields)

13:00 – 13:20 NCCIT2022-081	Cyber Threat Analysis and Monitoring System with Random Forest and Gradient Boosted Tree <i>Watcharakrit Lertthamphaiboon and Pongsarun Boonyopakorn</i>
13:20 – 13:40 NCCIT2022-082	Load Balancing by Neighbour Node Discovery for RPL Routing Protocol in Wireless Sensor Networks <i>Suttitee Jathuphornpaserd and Suphakit Awiphan</i>
13:40 – 14:00 NCCIT2022-030	Extracting Key Features of Metaphase G-Band Chromosome Image for Counting Enhancement for Initial Genetic Diseases Diagnosis <i>Bussayamas Pakkeetong, Anurak Yutthanawa and Pichet Wayalun</i>
14:00 – 14:20 NCCIT2022-100	Convolutional Neural Network for Image Classification of Crown Flowers <i>Kewalin Khamnipat and On-Uma Pramote</i>
14:20 – 14:40 NCCIT2022-023	Contactless Water Dispenser Based on Internet of Things <i>Wuttachai Chumyen and Thepparit Banditwattanawong</i>
14:40 – 15:00 NCCIT2022-035	Indoor Mobile Performance Improvement by Inter-Band Carrier Aggregation <i>Pakorn Kaewkhampaeng and Suwat Pattaramalai</i>
15:00 – 15:20	<i>Break</i>
15:20 – 15:40 NCCIT2022-085	The Assessment of an Organization's Cyber Security Awareness by Using a Phishing Simulation <i>Preecha Harnyuenyongsakul and Pongsarun Boonyopakorn</i>
15:40 – 16:00 NCCIT2022-019	The Impact of Perceived Security Risk and Privacy Risk on the Acceptance of IoT Technologies <i>Maruchai Wattanarungson and Pramote Luenam</i>
16:00 – 16:20 NCCIT2022-067	Generating an Air Force Intrusion Detection Dataset to Compare between Standardized Datasets <i>Sappanyou Chukaew, Prasong Praneetpolgrang and Payap Sirinam</i>
16:20 – 16:40 NCCIT2022-109	Continuous Integration and Continuous Deployment on Cloud Computing Using Gitlab <i>Thanthicha Nimnuan and Pudsadee Boonrawd</i>
	<i>End Session</i>

Thursday 19th May 2022

ROOM: II (Applications/ Information Systems, Management Information System and Related Fields)

13:00 – 13:20 NCCIT2022-010	Diagnosis System of Orchid Disease Using Deep Learning on Mobile Application <i>Nattavadee Hongboonmee and Kawinthip Thumchon</i>
13:20 – 13:40 NCCIT2022-089	Project Management Information System According to the Term of Reference by Using the Theory of Task Priorities for Information Consulting Service <i>Taechathat Sirimai and Nattavee Utakrit</i>
13:40 – 14:00 NCCIT2022-006	Wireless Network Management for Green University Case Study Air Control System and Semi-Smart Bin System of Walailak University <i>Satit Khwanchum</i>
14:00 – 14:20 NCCIT2022-018	Simultaneous Multi-facial Recognition Software-as-a-Service for Class Attendance Checking <i>Arisa Vaichiaranai and Thepparit Banditwattanawong</i>
14:20 – 14:40 NCCIT2022-026	An Analysis of Game-Based Learning Materials in Java Programming Language to Enhance Learning Achievement by Using User Experience <i>Phattaradon Ekthammabordee and Apichaya Nimkoompai</i>
14:40 – 15:00 NCCIT2022-027	An Efficiency Tuning for Registration and Educational Statistic Application with MongoDB Replication <i>Wiroj Tamboonlertchai, Nutsurang Dumlakor and Chumpol Mokrat</i>
15:00 – 15:20	<i>Break</i>
15:20 – 15:40 NCCIT2022-091	A Developing of IT Service Management System <i>Wuttinun Chaipromnimit and Nattavee Utakrit</i>
15:40 – 16:00 NCCIT2022-107	The Development of Asset Trading Platform Using Non-Fungible Token <i>Jidapa Dumrongsombut and Pudsadee Boonrawd</i>
16:00 – 16:20 NCCIT2022-012	Indoor Positioning System by Analyzing Wireless of Network Using Machine Learning <i>Nattaphon Chaiwong and Atikhom Siri</i>
	<i>End Session</i>

Thursday 19th May 2022

ROOM: III (Data Mining, Text Mining and Related Fields)

13:00 – 13:20 NCCIT2022-001	Analysis of Image-Based Data to Track Rainfall and Forecast Flood Risk Areas <i>Kanyarat Charoenpru and Prattana Deeprasertkul</i>
13:20 – 13:40 NCCIT2022-055	Imbalanced Data Problem Solving in Predicting Accidental Deaths <i>Thaninthorn Whasphuthisit and Watchareewan Jitsakul</i>
13:40 – 14:00 NCCIT2022-072	Forecasting the Fraud Risk of Electronic Card Transactions <i>Sirepong Padit and Watchareewan Jitsakul</i>
14:00 – 14:20 NCCIT2022-074	The Development of Business Intelligence for Analyzing Data from the Fault Reporting System using Data Mining Techniques <i>Jirarat Srichok and Montean Rattanasiriwongwut</i>
14:20 – 14:40 NCCIT2022-022	Thai Language Level Analysis System Using Text Mining Technique <i>Sarin Songkarin, Apisit Kraiyaso and Warunya Wunnasri</i>
14:40 – 15:00 NCCIT2022-092	Comparison of Time Series Analysis Techniques for Forecasting Facebook Ad Values <i>Sujanya Tubtong and Watchareewan Jitsakul</i>
15:00 – 15:20	<i>Break</i>
15:20 – 15:40 NCCIT2022-098	Sales Data Analysis of Lighting Products Using Clustering Technique <i>Suwapat Janmaitree and Sakchai Tangwannawit</i>
15:40 – 16:00 NCCIT2022-108	Road Accidents Analytics System Using Business Intelligence <i>Thanisa Sungsaeng and Pudsadee Boonrawd</i>
16:00 – 16:20 NCCIT2022-052	Enhancement Data Analytics for Medical Diagnosis <i>Suthatip Parittapongsachai and Phayung Meesad</i>
16:20 – 16:40 NCCIT2022-060	Short and Long-term Stock Price Forecasting with Deep Learning <i>Sutasorn Yumak and Phayung Meesad</i>
	<i>End Session</i>

Thursday 19th May 2022

ROOM: IV (Artificial Intelligent, Text Mining, Natural Language Processing and Related Fields)

13:00 – 13:20 NCCIT2022-002	A Comparison of Machine Learning Models for COVID-19 Patients Screening <i>Siwakorn Banluesapy and Waraporn Jirapanthong</i>
13:20 – 13:40 NCCIT2022-013	Thai Sentiment Analysis about Education in Thailand on Twitter <i>Wipada Silarach, Phithayarat Phochompu and Thanaphon Tangchoopong</i>
13:40 – 14:00 NCCIT2022-093	Forecasting Home Loan Refinance Out Using Machine Learning <i>Pongpan Kaeduang and Kanchana Viriyapant</i>
14:00 – 14:20 NCCIT2022-066	Integrating Cyber Dataset for Cyber Intrusion Prediction Model <i>Somboon Udnan, Prasong Praneetaphonkrang and Payap Sirinam</i>
14:20 – 14:40 NCCIT2022-068	Face Detection Systems for Effective Facial Recognition with Artificial Intelligence Using Closed Circuit Television Camera <i>Apisit Seelsat, Prasong Praneetpolgrang and Pahron Sanguanbhokai</i>
14:40 – 15:00 NCCIT2022-050	Comparison of Deep Learning Models for Morphological Image Identification of Wild Mushrooms <i>Wacharaphol Ketwongsa and Urachart Kokaew</i>
15:00 – 15:20	<i>Break</i>
15:20 – 15:40 NCCIT2022-088	Sentiment Analysis of Twitter Comments About COVID-19 Using Text Mining Techniques <i>Natarda deearom and Tanapon Jensuttiwetchakul</i>
15:40 – 16:00 NCCIT2022-090	Classification of Information Problems from Text <i>Thanakorn Liwveha and Nattavee Utakrit</i>
16:00 – 16:20 NCCIT2022-029	Information Extraction with Knowledge Graph for Hotel Business in Thailand <i>Tantikorn Poonyakariyakorn and Thanachart Ritbumroong</i>
16:20 – 16:40 NCCIT2022-073	Sentiment Classification of Electric Vehicle Using Text Mining <i>Damrongpol Suwanchatree and Watchareewan Jitsakul</i>
	<i>End Session</i>

Thursday 19th May 2022

ROOM: V (Factor Analysis and Related Fields)

13:00 – 13:20 NCCIT2022-045	Factors Influencing Customer Engagement in Using Facebook Messenger ChatBot Services <i>Supawan Pongsupawan and Pramote Luenam</i>
13:20 – 13:40 NCCIT2022-033	Factors Influencing the Intention to Use Robotic Process Automation Technology <i>Chiraporn Thepthong and Tanapon Jentsuttiwetchakul</i>
13:40 – 14:00 NCCIT2022-034	Factors Influencing Patient Tracking Application Acceptance <i>Nawakarn Ninprawit and Tanapon Jentsuttiwetchakul</i>
14:00 – 14:20 NCCIT2022-043	Parasocial Factors and Their Impact to the Intention to Follow Influencers on TikTok <i>Jamnapa Yodho and Pramote Luenam</i>
14:20 – 14:40 NCCIT2022-061	An Analysis of Factors Influencing Cryptocurrency Investments <i>Anongwanneeya Suayroop and Montean Rattanasiriwongwut</i>
14:40 – 15:00 NCCIT2022-070	Classification Factors Affecting Customer's Responsiveness Toward Service Quality Behavior During Covid-19 Pandemic <i>Thanaporn Tepkila and Tanapon Jentsuttiwetchakul</i>
15:00 – 15:20	<i>Break</i>
15:20 – 15:40 NCCIT2022-087	A Study of Factors Affecting Consumers' Purchases on the E-Marketplace <i>Sasima Tanapatpiboon and Tanapon Jentsuttiwetchakul</i>
15:40 – 16:00 NCCIT2022-042	Stress Factors and Their Impact on Teaching Efficiency at Fundamental Education Level during the COVID-19 Pandemic <i>Wirote Cherdswat and Pramote Luenam</i>
16:00 – 16:20 NCCIT2022-096	An Factor Analysis of Components Influencing the Acceptance of e-Government (G2E) Information Technology Among Civil Servants Under the Ministry of Justice <i>Krittamuk Lexseng and Montean Rattanasiriwongwut</i>
16:20 – 16:40 NCCIT2022-025	An Analysis of the Dark Pattern of user Experience Online Shopping Application in Thailand <i>Pumarin Tiangpanich and Apichaya Nimkoompai</i>
	<i>End Session</i>

Program Schedule

Friday 20 th May 2022	
08:00 – 09:00	Starting Virtual Conference System
09:00 – 10.20	Paper Presentation
10. 20– 10.40	<i>Break</i>
10. 40– 13.00	Paper Presentation

Friday 20th May 2022

ROOM: I (Data Mining, Text Mining, Natural Language Processing and Related Fields)

09:00 – 09:20 NCCIT2022-095	Predicting Longan Yield in Northern of Thailand Using Time Series Data <i>Thanchanok Rangkaew, Eakasit Pacharawongsakda, Kantarakorn Jitharn, Sakolpuck Jearawattanasawadi and Chutimon Pakdeesirote</i>
09:20 – 09:40 NCCIT2022-051	Business Intelligence System for Customer Consent of Objectives for Data Protection Officer <i>Passorn Sukmon and Sakchai Tangwannawit</i>
09:40 – 10:00 NCCIT2022-015	Decision Support System for Opening or Closing Branches Using Network Analysis <i>Kornthip Whanchaaim, Tanasanee Phienthrakul and Konglit Hunchangsith</i>
10:00 – 10:20 NCCIT2022-020	Neural Network Training for Prediction of Side Effects After COVID-19 Vaccination Using Optimization Algorithms Inspired by Nature <i>Supaporn Deankasai, Neungrutai Deemeewong, Phumin Duankhan and Khamron Sunat</i>
10:20 – 10:40	<i>Break</i>
10:40 – 11:00 NCCIT2022-069	The Development of Business Intelligence to Predict the Behaviors of the Working-Age Population Resulting in Chronic Non-Communicable Diseases <i>Suphaluck Charoenthum and Montean Rattanasiriwongwut</i>
11:00 – 11:20 NCCIT2022-083	Network Intrusions Analysis with Neural Network and K-Means <i>Saksit Jantaraplin and Pongsarun Boonyopakorn</i>
11:20 – 11:40 NCCIT2022-080	The Development of Decision Support System for Diabetes Risk Prediction Using Data Mining Technology <i>Nattapong Laehtee and Montean Rattanasiriwongwut</i>
11:40 – 12:00 NCCIT2022-084	The Development of ChatBot Line to Provide Information About Coronavirus <i>Kan Khemnak and Nattavee Utakrit</i>
	<i>End Session</i>

Friday 20th May 2022

ROOM: II (Data Mining and Related Fields)

09:00 – 09:20 NCCIT2022-102	A Comparison of Prediction Models for Estimates the Cost of Treatment of Patients Undergoing Surgery <i>Siriporn Mongkolchaiwanich, Wuntana Tientong and Sakchai Tangwannawit</i>
09:20 – 09:40 NCCIT2022-037	Predictive Models for Auto Loan Approval using the Decision Tree Algorithm <i>Supachanun Wanapu, Naris Mingmora, Janejeera Aksornpim, Ketsuda Chainok, Awissara Dokauboi and Thati Phiphatprueksa</i>
09:40 – 10:00 NCCIT2022-049	Forecasting Model for Agricultural Export Using Data Mining Techniques <i>Suphaporn Jamrurai and Sakchai Tangwannawit</i>
10:00 – 10:20 NCCIT2022-054	Forecasting the Number Registration of the Land Officer Using Time Series Techniques <i>Chatchadawan Chanprasert and Watchareewan Jitsakul</i>
10:20 – 10:40	<i>Break</i>
10:40 – 11:00 NCCIT2022-062	Prediction mai Growth Stock in the Securities Exchange of Thailand <i>Sudthida Changpan and Tanapon Jensuttiwetchakul</i>
11:00 – 11:20 NCCIT2022-106	Car Insurance Recommendation System Using Rules-Based Personalization with K-Means Clustering <i>Peemai Keelakitpaibool and Pudsadee Boonrawd</i>
11:20 – 11:40 NCCIT2022-028	Assessing the Risk of Polycystic Ovary Syndrome <i>Kamonchat Deela, Pawitra Sariwong and Thanaphon Tangchoopong</i>
11:40 – 12:00 NCCIT2022-075	Sales Forecasting Using Time Series Techniques <i>Adithep Panwanichayakij and Watchareewan Jitsakul</i>
	<i>End Session</i>

Friday 20th May 2022

ROOM: III (Applications, Information System, Mining and Related Fields)

09:00 – 09:20 NCCIT2022-053	Application Attendance System Base 2FA and Location <i>Natkamon Siripanurak and Tanapon Jensuttiwetchakul</i>
09:20 – 09:40 NCCIT2022-078	The Development of Automation System for Support Process of Purchasing and Accounting Payable <i>Kontorn Inprasith and Sakchai Tangwannawit</i>
09:40 – 10:00 NCCIT2022-007	Automatic Quiz Creation and Verification for the Volume and Surface Area of Three-dimensional Objects <i>Rattanakorn Saeng-Aun and Phongthep Raxpakawong</i>
10:00 – 10:20 NCCIT2022-008	An Incident Tracking System: A Case Study of Civil Court <i>Non Chitchamnong and Waraporn Jirapanthong</i>
10:20 – 10:40	<i>Break</i>
10:40 – 11:00 NCCIT2022-011	Performance Testing of Converting Tools from PDF File to CSV Text File <i>Phutares Suwannarat and Ponrudee Netisopakul</i>
11:00 – 11:20 NCCIT2022-063	Text Matching Using BLEU Score for Voice-based Food Ordering System <i>Kittamet Montheankul, Vanitchaporn Masomboon, Supasuda Sudprasert and Sapon Phumeechanya</i>
11:20 – 11:40 NCCIT2022-056	Development of Model for Forecasting Business Credit Approvals using Data Mining Techniques <i>Karsiya Klintharvorn and Montean Rattanasiriwongwut</i>
	<i>End Session</i>

Friday 20th May 2022

ROOM: IV (Data Mining, Text Mining, Natural Language Processing and Related Fields)

09:00 – 09:20 NCCIT2022-038	Classification of Weapons Using Convolutional Neural Networks <i>Eakarach Nintra, Surapan Airphaiboon and Somchat Jiriwibhakorn</i>
09:20 – 09:40 NCCIT2022-040	A Study and Development of Bitmap Intersection Lookup Algorithm for Packet Classification <i>Worachet Nimcharoen, Supakkavee Supho and Akharin Khunkitti</i>
09:40 – 10:00 NCCIT2022-057	Business Intelligence System for Price Forecasting of Agricultural Product <i>Phonpan Charoensin and Sakchai Tangwannawit</i>
10:00 – 10:20 NCCIT2022-065	SAPPY: Emotion-Based Assistant Chatbot <i>Natthaphat Kongthong, Vacharavat Kesbuntherng and Supannada Chotipant</i>
10:20 – 10:40	<i>Break</i>
10:40 – 11:00 NCCIT2022-094	Forecasting Sugar Cane Yield in Thailand with Machine Learning <i>Teerawat Sinlaparatsamee and Kanchana Viriyapant</i>
11:00 – 11:20 NCCIT2022-077	Business Intelligence System from Predicts Online Purchase Behavior of Support Marketing Plan <i>Panatda Yeemasa and Sakchai Tangwannawit</i>
11:20 – 11:40 NCCIT2022-097	Sentiment Analysis for Service Chatbot <i>Thiti Tongumpun and Kanchana Viriyapant</i>
	<i>End Session</i>

Friday 20th May 2022

ROOM: V (Applications, Information System, Management Information System and Related Fields)

09:00 – 09:20 NCCIT2022-086	Development of Learning Media Topic: Taxonomy Animal Kingdoms <i>Natthapoom Boonruangroj and Nattavee Utakrit</i>
09:20 – 09:40 NCCIT2022-024	User Experience Design of Augmented Reality Teaching Materials for Basic Level Japanese Subjects to Increase Learning Achievement <i>Niratchaporn Ounnimit and Apichaya Nimkoompai</i>
09:40 – 10:00 NCCIT2022-101	Threatening Virus Game Development Using Virtual Reality <i>Phuriphat Theerawut, Sutasinee Thovuttikul and Watcharee Jumpamule</i>
10:00 – 10:20 NCCIT2022-039	Undergrad: IT KMITL Student Life Simulation Game <i>Sunisa Chanbang, Suphakit Nachom and Supannada Chotipant</i>
10:20 – 10:40	<i>Break</i>
10:40 – 11:00 NCCIT2022-076	Applied an Artificial Intelligence with Chatbot's on Line Office Account <i>Theerawat Patcham and Montean Rattanasiriwongwut</i>
11:00 – 11:20 NCCIT2022-017	Data Privacy Management System on Cloud according to Personal Data Protection Act <i>Kantapon Seshajoti and Thepparit Banditwattanawong</i>
11:20 – 11:40 NCCIT2022-079	The Development of Chatbot Prototype on an Application for Problems Recommender of Female's Wellness <i>Uraiwan Inyaem, Weena Janratchakool, Nattawadee Sukkasem and Suwimon Tuanthong</i>
	<i>End Session</i>