

Program Schedule

Thursday 16 th May 2024	
08:00 - 09:00	Registration
09:00 - 09:15	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>
09:15 - 09:30	Opening Ceremony by Professor Dr. -Ing. habil. Suchart Siengchin , <i>President of King Mongkut's University of Technology North Bangkok</i>
09:30 - 09:45	<i>Group Photo</i>
09:45 - 10:45	Invited Keynote Speech by Professor Kang-Hyun Jo , <ul style="list-style-type: none">• Department of Electrical, Electronic and Computer Engineering, School of Electrical Engineering, University of Ulsan, South Korea
10:45 - 11:00	<i>Coffee break</i>
11:00 - 12:00	Invited Keynote Speech by Dr. Mirko Caspar , <ul style="list-style-type: none">• Deutsche Bahn InfraGO (German Railways Infrastructure) Program Digital Rail Germany – Development of Digital Interlockings Expert and Team Lead of Integration and Safety Management and Safety Case
12:00 - 13:00	<i>Lunch</i>
13:00 - 15:00	Paper Presentation
15:00 - 15:20	<i>Coffee break</i>
15:20 - 16:20	Paper Presentation

Thursday 16th May 2024

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

13:00 – 13:20 NCCIT2024-008	Classification of NCDs from Nail Images Using Convolutional Neural Networks <i>Prerapong Ramunudom and Nuttanont Hongwarittorn</i>
13:20 – 13:40 NCCIT2024-004	The Improve Adaptive Differential Evolution Algorithm with Candidate Mutant Vector <i>Patipan Polvirat, Duangpen Jetpipattanapong, and Siwadol Sateanpattanakul</i>
13:40 – 14:00 NCCIT2024-014	Cannabis Flower Ripeness Classification Systems Using Image Processing and Convolutional Neural Networks <i>Nakarin Praipaisan, Pongsakorn Kamprom, Chinapat Sakunrasrisuay, Phet Aimtongkham and Chakchai So-In</i>
14:00 – 14:20 NCCIT2024-009	A Study on the use of Machine Learning Techniques for Classifying user Complaints on the Traffy Fondue Platform with a Multi-period Dataset <i>Wanarase Sinhashthita, Phaichayon Kongchai, Supawadee Hiranpongsin, Wayo Puyati, and Wancharoen Upamai</i>
14:20 – 14:40	<i>Break</i>
14:40 – 15:00 NCCIT2024-028	AI-based Strabismus Prescreening Application <i>Chayanid Chanakarn, Chitchanok Sangiamwong, and Wattanapong Kurdthongmee</i>
15:00 – 15:20 NCCIT2024-036	Hypertension Risk Prediction System with Text Mining Techniques <i>Vatinee Nuipain, Kittisak Bunkad, and Kritidaj Jangmongkulkarn</i>
15:20 – 15:40 NCCIT2024-038	Depression Risk Prediction System using Text Mining Techniques <i>Vatinee Nuipain, Kannika Plangklang, and Sorawit Hanumas</i>
	<i>End Session</i>

Thursday 16th May 2024

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

13:00 – 13:20 NCCIT2024-040	A Sentiment Analysis Model for Double Negative in Thai Language <i>Kotchakan Fuangngam, Nalinpat Bhumpenpein, and Siranee Nuchitprasitchai</i>
13:20 – 13:40 NCCIT2024-041	A Model for Forecasting Enterprise Data Growth Using Time Series <i>Supanan Tantayakul, Nalinpat Bhumpenpein, and Siranee Nuchitprasitchai</i>
13:40 – 14:00 NCCIT2024-045	A Road Accident Prediction Model Using Machine Learning <i>Tanapohn Mongkolsukthae, Nalinpat Bhumpenpein, and Siranee Nuchitprasitchai</i>
14:00 – 14:20 NCCIT2024-046	Malicious Website Scanning Tool for Organization <i>Chankrit Jaroonkiadtikun and Nawaporn Wisitpongphan</i>
14:20 – 14:40	<i>Break</i>
14:40 – 15:00 NCCIT2024-047	Development of Tool for Examining Virtual Machine Resource Usage Using K-means Clustering Technique <i>Ruangsak Nun-Ngoen and Nawaporn Wisitpongphan</i>
15:00 – 15:20 NCCIT2024-061	Sentiment Analysis for Monkeypox Outbreak Using BERT Model <i>Pongsakorn Panluck and Pudsadee Boonrawd</i>
15:20 – 15:40 NCCIT2024-064	Cloud and On-Premises Data Integration through Hybrid Data Pipeline <i>Weerapol Yodmongkol and Pudsadee Boonrawd</i>
	<i>End Session</i>

Thursday 16th May 2024

ROOM: III (Network, Cyber Security and Related Fields)

13:00 – 13:20 NCCIT2024-011	Cyber Attack with Social Engineering Simulation Using Deep Learning to Enhance Cybersecurity Awareness <i>Sirintra Piritaburana, Surasak Mungsing, and Prasong Praneetpolgrang</i>
13:20 – 13:40 NCCIT2024-012	A Predictive Model for Distributed Denial-of-Service Attacks to Strengthen Cybersecurity in an Organization's Computer Network Through Machine Learning <i>Napat Sujiratum, Surasak Mungsing, and Prasong Praneetpolgrang</i>
13:40 – 14:00 NCCIT2024-026	Improving Web Server System Security with Automatic System Hardening <i>Aphinop Sangsilla and Pongsarun Boonyapakorn</i>
14:00 – 14:20 NCCIT2024-030	The System to Monitor and Notifications Against Web Defacement Attacks <i>Jirawat Lappapornkul and Pongsarun Boonyapakorn</i>
14:20 – 14:40	<i>Break</i>
14:40 – 15:00 NCCIT2024-031	The Relationship between Digital Forensics and Risk Assessment Affecting Cyber Insurance in Thailand <i>Umarat Pochai and Pongsarun Boonyapakorn</i>
15:00 – 15:20 NCCIT2024-060	Developing an Online Testing System to Increase Cybersecurity Awareness Among Personnel in Organizations <i>Nichaphon Ruasrichan and Nawaporn Wisitpongphan</i>
15:20 – 15:40 NCCIT2024-068	A Comparison Methods of Encoding and Decoding in Information, Administration Case Report and Case Audit <i>Nopphakorn Phakamthong and Watchareewan Jitsakul</i>
	<i>End Session</i>

Thursday 16th May 2024

ROOM: IV (Acceptance, Innovation, Adoption and Related Fields)

13:00 – 13:20 NCCIT2024-013	Factors Influencing Behavior Change among Social Media Content Creators after the Adoption of the Personal Data Protection Act <i>Wipawee Mounghchoo and Pramote Luenam</i>
13:20 – 13:40 NCCIT2024-016	Factors Affecting Turnover Tendency of IT Professionals <i>Teerachai Kadjinakul and Pramote Luenam</i>
13:40 – 14:00 NCCIT2024-017	Factors Affecting the Decision to use Bring Your Own Device within the Company <i>Muratar Trisupachoke and Tanapon Jentsuttiwetchakul</i>
14:00 – 14:20 NCCIT2024-049	Factors Influencing the Acceptance of Self-Checkout Kiosk in Supermarket <i>Patcharaporn Sampanwong and Sakchai Tangwannawit</i>
14:20 – 14:40	<i>Break</i>
14:40 – 15:00 NCCIT2024-051	Factors Influencing Technology Acceptance: Using Food Delivery Application of Generation X and Baby Boomers <i>Kanittha Boonsoy and Nattavee Utakrit</i>
15:00 – 15:20 NCCIT2024-058	Factors Affecting the Intention to use Mobile Health Applications <i>Natchaya Wongjarit and Tanapon Jentsuttiwetchakul</i>
15:20 – 15:40 NCCIT2024-059	Factors Affecting Decision to Apply Personal Loans on Mobile Application <i>Rungtiwa Kantriphut and Tanapon Jentsuttiwetchakul</i>
15:40 – 16:00 NCCIT2024-015	Factors Affecting the Continuance Usage Intention of “Moh Prompt” Application among Generation X and Y <i>Akira Iamsiri and Pramote Luenam</i>
	<i>End Session</i>

Thursday 16th May 2024

ROOM: V (Decision Support System and Related Fields)

13:00 – 13:20 NCCIT2024-001	Optimal 2DOF-PID Controller Design by Bat Search for FOPDT Plant Model <i>Krisorn Sawangsri, Sattarpoom Thaiparnit, and Danupon Kumpanya</i>
13:20 – 13:40 NCCIT2024-034	Online Management and Decision Support System for Request Forms Approval Using Analytic Hierarchy Process <i>Panyawatn Suphakarn, Nadh Ditcharoen, and Supawadee Hiranpongsin</i>
13:40 – 14:00 NCCIT2024-025	Exploratory Decision Tree to Reveal the Relation Between Behaviors and BMI <i>Thanaton Booncherd and Prarisa Surawang</i>
14:00 – 14:20 NCCIT2024-020	Developing Digital Technology Project Management Capability Maturity Model in Thai Digital Industry Context <i>Kritsada Sangkasem, Surasuk Mungsing, and Prasong Praneetpolgrang</i>
14:20 – 14:40	<i>Break</i>
14:40 – 15:00 NCCIT2024-022	Design and Development of Database System for Supporting Pill and Capsule Identification in Thailand <i>Nathawut Banrueangthong, Nadh Ditcharoen, Sompong Valuvanathorn and Jintana Napaporn</i>
15:00 – 15:20 NCCIT2024-044	Rub Pet “Services Platform for Pets in Condominiums” <i>Kanniga Pongpikul and Wilawan Inchamnan</i>
	<i>End Session</i>

Program Schedule

Friday 17 th May 2024	
09:00 - 10:20	Paper Presentation
10:20 - 10:40	<i>Break</i>
10:40 - 12:00	Paper Presentation

Friday 17th May 2024

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

09:00 – 09:20 NCCIT2024-018	Association Rules Discovery using Apriori and FP-Growth Algorithm For Analysis of Usage Behavior of Learning Resource in Library <i>Karn Sappasan and Wongkot Sriurai</i>
09:20 – 09:40 NCCIT2024-063	The Development of Chatbot Technology for Sale Promotion Form Association Rule <i>Kanyanat Mongkolthanajarut and Sakchai Tangwannawit</i>
09:40 – 10:00 NCCIT2024-048	The development of Chatbot for Diagnosing Complications of Pregnancy <i>Atakan Rounjaman and Nattavee Utakrit</i>
10:00 – 10:20 NCCIT2024-057	Chatbot Development for Basic Home Repair <i>Jariya Thiyaow and Sakchai Tangwannawit</i>
10:20 – 10:40 NCCIT2024-069	Chatbot Development for Auspicious Business <i>Chaiwut Samakkatkan and Tanapon Jensuttiwetchakul</i>
	<i>End Session</i>

Friday 17th May 2024

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

09:00 – 09:20 NCCIT2024-070	Development of a Forecasting Model for Reservoir Inflow Volume <i>Tosaporn Boondarik and Pudsadee Boonrawd</i>
09:20 – 09:40 NCCIT2024-071	Sentiment Analysis Opinions of Hotel Guest Reviews in Phuket Using Deep Learning Techniques <i>Pichanan Treesaard and Watchareewan Jitsakul</i>
09:40 – 10:00 NCCIT2024-072	Predictive of Number of Vehicles that Crashed on the Expressway by Time Series Analysis <i>Pimsorn Vongvikan and Phayung Meesad</i>
10:00 – 10:20 NCCIT2024-066	Sales Spare Part Forecasting Using Time Series Techniques <i>Kornsuang Chatnopakun and Watchareewan Jitsakul</i>
10:20 – 10:40 NCCIT2024-027	Information Security Awareness: A Case Study of Simulating a Phishing Email Attack on Personnel of Public Health <i>Kannika Wayuchot, Thanawat Yochanang, and Sunantha Sodsee</i>
	<i>End Session</i>

Friday 17th May 2024

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

09:00 – 09:20 NCCIT2024-052	Classification of Comments on Social Media about Medical Marijuana using Text Mining Technique <i>Kamonthip Tasaweth and Montean Rattanasiriwongwut</i>
09:20 – 09:40 NCCIT2024-053	Classification of Information Technology Problem Notification Data by Using Mining <i>Ulailak Nadee and Montean Rattanasiriwongwut</i>
09:40 – 10:00 NCCIT2024-054	Apply of Text Mining Algorithm to Classification Opinions Towards Buying Bubble Milk Tea on Social Media <i>Natthaphon Pannasin and Montean Rattanasiriwongwut</i>
10:00 – 10:20 NCCIT2024-055	Using Text Mining Techniques Classification Opinions About Marriage Equality on Social Media <i>Sirassanun Khorchanasiriboon and Montean Rattanasiriwongwut</i>
10:20 – 10:40 NCCIT2024-065	Meter Theft Detection System Using Machine Learning <i>Arthittaya Narak and Pudsadee Boonrawd</i>
	<i>End Session</i>

Friday 17th May 2024

ROOM: IV (Information System, Application, Risk Management and Related Fields)

09:00 – 09:20 NCCIT2024-021	Development of Intelligent Web-based Instruction System Based on User's Learning Style and Metacognition <i>Wutipong Wimonput, Nadh Ditcharoen, and Supawadee Hiranpongsin</i>
09:20 – 09:40 NCCIT2024-032	A Case Study of Cyber Security Risk Assessment in the School <i>Tanarat Wuttipornpong, Thanawat Yochanang, and Sunantha Sodsee</i>
09:40 – 10:00 NCCIT2024-043	Assessment Testing for Vulnerabilities in Electronic Service Systems of Government Human Resource Management Central Organizations <i>Chenchira Kawinchuanachit, Sunantha Sodsee, and Thanawat Yochanang</i>
10:00 – 10:20 NCCIT2024-074	Analysis and Assessment of Web Application Vulnerabilities to Propose Remediation Solutions for A Government Agency's Web Application <i>Prapassorn Thitpraphai and Sunantha Sodsee</i>
10:40 – 11:00 NCCIT2024-062	The Development of Add-On Marketplace Function in SAP Business One <i>Worrakamol Saiduwao and Sakchai Tangwannawit</i>
	<i>End Session</i>

Friday 17th May 2024

ROOM: V (Image Processing, Internet of Things, Cloud Computing, and Related Fields)

09:00 – 09:20 NCCIT2024-005	Key Management and Data Decryption Mobile Application for IoT Devices <i>Eakarat Saktawornlerd, Sukumal Kitisin, and Kalika Suksomboon</i>
09:20 – 09:40 NCCIT2024-056	The Development of a System for Producing Electrical Energy from Floor Slabs using Piezoelectric and the Internet of Things <i>Alongkorn Nonkhukhetkhong and Mahasak Ketcham</i>
09:40 – 10:00 NCCIT2024-067	Comparison of Land Use and Land Cover Classification Based on Satellite Image Data Using Deep Learning Techniques <i>Danupol Chaisart and Watchareewan Jitsakul</i>
10:00 – 10:20 NCCIT2024-050	The Development of a Readiness Survey Platform and Request for Standard Certification Information Security Management System ISO/IEC 27001:2022 Research Study Chulabhorn Royal Academy <i>Pawinee Onkaew and Nattavee Utakrit</i>
	<i>End Session</i>