Program Schedule

Thursday 15th May 2025	
08:00 - 09:00	Registration
09:00 - 09:15	Report by **Assistant Professor Dr. Dr.-Ing. Sunantha Sodsee**, *Dean, Faculty of Information Technology and Digital Innovation* *King Mongkut's University of Technology North Bangkok*
09:15 - 09.30	Opening Ceremony by **Professor Dr. Thanin Silpcharu**, *President of King Mongkut's University of Technology North Bangkok*
09:30 - 09:45	*Group Photo*
09:45 - 10:45	Invited Keynote Speech by **Prof. Dr. Dursun Delen,** • Regents Professor at Oklahoma State University, Stillwater, OK, United States of America
10:45 - 11:00	*Coffee break*
11:00 - 12:00	Invited Keynote Speech by **Dr. Pairoj Likhittanaset,** • Sales Administration and Support Manager of National Telecom Public Company Limited (NT)
12:00 - 13:00	*Lunch*
13:00 - 15:00	**Paper Presentation**
15:00 - 15:20	*Coffee break*
15:20 - 16:20	**Paper Presentation**

Thursday 15th May 2025	
Room I	
13:00 - 13:20 IC2IT2025-015	**Predicting the Employment Rate of Students after Graduation using Machine Learning Methods** *Long Tran Hai, Binh Hoang Tieu, and Quang Nguyen Vinh*
13:20 - 13:40 IC2IT2025-019	**A Student Performance Prediction Model using Machine Learning Models in Mmultimodal Learning Analytics** *Uoc Tran Van, Binh Hoang Tieu, and Dang Hung Tran*
13:40 - 14:00 IC2IT2025-031	**Distinguishing AI-Generated Text from Human-Written Text Using Machine Learning** *Salil Apte, Rubaiya Masnun, Anoop Lashiyal, and Mario M. Kubek*
14:00 - 14:20 IC2IT2025-032	**A Context-Aware Real-Time Security Model for Automotive Systems** *Teena Kumari, Abdur Rakib, Arkady Zaslavsky, Hesam Jadidbonanb, and Valeh Moghaddam*
14:20 - 14:40 IC2IT2025-020	**A Comparative Study of Machine Learning Models for Human Activity Recognition using Signal Feature Extraction** *Porawat Visutsak, Arzeezar Lording, Teerapong Ngampromwong, Natdanai Maichum, Anusorn Wongsanit, Earn Suriyachay, and Nontakorn Sathitanon*
14:40 - 15:00 IC2IT2025-002	**Advancing Image Segmentation and Classification with Mamba-Based Architectures** *Rafsan Uddin Beg Rizan*
15:00 - 15:20	*Break*
15:20 - 15:40 IC2IT2025-003	**Enhancing Potato Blemish Detection through Interactive Image Segmentation and Classification** *Rafsan Uddin Beg Rizan*
15:40 - 16:00 IC2IT2025-018	**Exploring the Effectiveness of Fundus Image Enhancement for Diabetic Retinopathy Classification** *Asmi Verma, Nittaya Muangnak, and Bowornrat Sriman*
16:00 - 16:20 IC2IT2025-004	**Enhancing Edge Detection in Images Using Ant Colony Optimization** *Rafsan Uddin Beg Rizan*
16:20 - 17:00 IC2IT2025-013	**Clustering-Based Approach for Identifying Key Information to Develop Short Video Prototypes in Science Communication for Aging Populations** *Cong Mo, Jantima Polpinij, Khachakrit Liamthaisong, Chunpong Chan and, Bancha Luaphol*

Friday 16th May 2025	
09:00 - 10:20	**Paper Presentation**
10:20 - 10:40	*Break*
10:40 - 12:00	**Paper Presentation**

Friday 16th May 2025	
Room I	
09:00 - 09:20 IC2IT2025-011	**Ontology-Based Learning Assistant Chatbot: Enhancing Accurate and Explanatory Knowledge Provision in Myanmar's Primary Education** *Su Wai Myo and Chutiporn Anutariya*
09:20 - 09:40 IC2IT2025-008	**HLBSA: Hierarchical Learning Backtracking Search Algorithm for Global Optimization** *Patipan Polvirat*
09:40 - 10:00 IC2IT2025-016	**Reinforcement Learning Evaluation for Solving Fundamental AI Problem** *Theenida Kunklon and Thepparit Banditwattanawong*
10:00 - 10:20 IC2IT2025-017	**Development of a Network Threat Detection System using Artificial Intelligence** *Sisouk Saiveha, Maleerat Maliyaem, and Gerald Quirchmayr*
10:20 - 10:40	*Break*
10:40 - 11:00 IC2IT2025-021	**Darknet Traffic Detection with Entropy Metrics and RNN** *Pitpimon Choorod*
11:00 - 11:20 IC2IT2025-026	**Leveraging PubMed Abstracts for Identifying COVID-19 Treatment Modalities** *Pornpavit Donsena, Jantima Polpinij, and Bancha Luaphol*
11:20 - 11:40 IC2IT2025-027	**Application of Long Short-Term Memory Networks for Signature Recognition** *Yun Dai, Adisak Sangsongfa, and Nopadol Amm-Dee*
11:40 - 12:00 IC2IT2025-030	**Predicting Employee Attrition Using Machine Learning: A Comparative Analysis of Traditional Models and Neural Networks** *Narudhchai Ruangyarn and Onjira Sitthisak*