

BIOGRAPHY

Miss Nisachon Thabcha received her Bachelor of Engineering degree in Electrical Engineering (Second Class Honors) from Suranaree University of Technology, Thailand in 2024. She is currently pursuing her master's degree in electrical engineering at the Faculty of Electrical Engineering, Institute of Engineering, Suranaree University of Technology. During her graduate studies, she conducted research on short-term electricity load forecasting using supervised deep learning techniques, with a particular focus on time-series modeling, feature engineering, and model interpretability. Her research involved the application of advanced recurrent neural network architectures, including CNN-LSTM and Bi-LSTM, to high-resolution load data combined with temporal and weather-related features.

In addition to her research activities, she served as a teaching assistant for courses related to electrical engineering and power system fundamentals, which enhanced her skills in academic coordination, technical communication, and instructional support. She has presented her research findings at international academic conferences, including the International Electrical Engineering Congress (iEECON), gaining valuable experience in professional scholarly communication.

Her research interests include electricity load forecasting, smart grid applications, data-driven energy management, and interpretable artificial intelligence for power systems. She is passionate about contributing to the advancement of smart grid technology and sustainable energy infrastructure in Thailand and aspires to continue working in this field to support national power system planning and distribution development goals.