

EKAWAT CHAOWICHARAT

Research Activities

Areas of Expertise

Pattern recognition, Natural language processing, Mathematics education

Current Interests and Activities

My recent and current research activities involve machine learning and other artificial intelligence techniques applied in the following areas.

1. Development of Optical Character Recognition (OCR) for Thai language and mathematical expression recognition (MER).
2. Development of educational technology for mathematics education such as automatic handwritten homework checking, voice recognition for the generation of mathematical expressions from human speech.
3. Designing educational games, such as a card game that enhances patient's data collection and treatment planning skills for dentist students, a card game to practice choosing the appropriate technique for integration in Calculus and first order ordinary differential equations for science students.