

氏名 / name : ケードキヤートカチョーン ナッタウット / KERTKEIDKACHORN Natthawut

役職 / official position : 講師 / Senior Lecturer

### 1. 指導方針 / Guiding principle

To support students, we conduct various activities, including one-on-one discussions, laboratory research meetings, and reading group seminars. These activities aim to enhance AI research skills, critical thinking, and presentation abilities. Our laboratory promotes a global research environment by communicating in English and encouraging international collaborations. I will do my best to unlock the potential in students by supporting their interests and connecting them with leading experts in their fields.

### 2. 学修目標 / Learning Goals

Students will understand how to develop knowledge-aware AI and will be able to implement it to solve practical problems based on their interests. To achieve this, they will learn state-of-the-art techniques in a wide range of research fields, including 1) knowledge graphs (knowledge acquisition, representation, and reasoning), 2) natural language processing, and 3) machine learning. They will then combine knowledge from these research areas to develop their own research problems and find solutions. In addition, they will have the opportunity to work with various types of data aligned with their research interests, including structured (such as knowledge graphs, ontologies, and graphs), semi-structured (like tabular data), and unstructured data (text, images, etc.). Eventually, students will learn to write academic papers and practice presentation skills. Throughout these activities, students can expect to develop AI research skills, critical thinking, and communication skills for their future careers.

### 3. 研究室活動 / Laboratory Activities

We have three types of meeting: 1) personal meeting, 2) laboratory research seminar and 3) reading paper seminar. Personal meeting is one-on-one meeting with the supervisor to report the progress, discuss the research direction and receive advice on their study. Basically, personal meeting is scheduled once a week. Laboratory research seminar is to share and discuss research progress with the lab members. Reading paper seminar is to discuss the recent research paper in the research field. Both laboratory research seminar and reading paper seminar are expected to be held weekly and each student will be present once a semester. In addition, we also held the presentation practice for student who will have examination or will have a presentation in the domestic/international conferences. We do not have specific core time in our lab; however, we highly encourage students to be in the lab during the school office hours.