

Abstract

The development and deployment of artificial intelligence is progressing rapidly throughout the world. Because AI is increasingly affecting many aspects of human life and will impact many professions, interdisciplinary research in AI is therefore needed. An AI laboratory is to be established to enable different schools to conduct research with deep learning and with the possibility of using distributed learning technology.

- The School of Computing and Information Sciences will take the lead to equip an AI laboratory with the basic hardware and software license needed and provide other schools and departments with the basic know how in conducting AI research.
- This laboratory will produce some core modules which can cater for diverse needs in different AI research. Multiple powerful AI machines can meet the needs of intensive operations in deep learning. More intensive operations with big data will be performed at even more powerful servers. Still even more extensive operations will be performed by renting the services of suitable commercial AI platform.
- AI experts in different fields will be invited throughout the year to give AI lecture series to include training in interdisciplinary research. AI weeks will be conducted to give more intensive training. Such training aims to enable research in the different Schools and Departments. Other Institutions will also be invited.
- The School of Computing and Information Sciences will collaborate with other schools to conduct preliminary interdisciplinary research using AI and then follow with more interdisciplinary research proposals.
- A conference or symposium will be organized or jointly organized to present the research results from both within Caritas Institute of Higher Education and from other institutions to achieve exchange and interactions.
- Preliminary research results with distributed AI research will be used to plan more research and to submit follow-up distributed research proposals.