Project Title	AI/HPC Platform Management
Description	Students will collaborate and assist existing research teams in the development of an AI/HPC toolchains & platform. We are working with solution providers to develop & implementing a platform to manage a wide range of datasets and experimental models to be used in applied AI research.
Supervisor	Dr. Akkarit Sangpetch (Computer Engineering) Email: akkarit.sa@kmitl.ac.th
Expected student	Undergraduate: 3rd – 4th year Graduate English proficiency Familiarity with Devlops tools including kubernetes, helm, ansible Prior experience in system development using c/c++, python, go or rust
Communication Channel	Email, Skype, Slack

Project Title	GPS Trajectory Data Mining
Description	There is a big dataset of GPS data of Thailand Taxis that send locations and timestamps every minute along this 2 years. In this topic, the internship student has to detect the cluster of taxis which have the the temporal similarity behavior in terms of location, time, and speed.
Supervisor	Asst.Prof.Dr. Rathachai Chawuthai (Computer Engineering) Email: rathachai.ch@kmitl.ac.th
Expected student	Undergraduate: 4th year Graduate English proficiency Familiarity with Machine Learning, Data Mining
Communication Channel	Email, Google meet

Project Title	Data Analytics/Deep Learning, System Performance, System/Distributed System
Description	Data Analytics on Consumer Insight or Video/Image Processing for Inventory or Used Bottle Classification.
Supervisor	Asst.Prof.Dr. Orathai Sangpetch (Computer Engineering) Email: orathai.sa@kmitl.ac.th
Expected student	Undergraduate: 3rd – 4th year Graduate The students should have programming skills at least, and be able to communicate in English well.
Communication Channel	Email, Google meet, Microsoft Teams, Skype, Zoom

Project Title	IoT application project
Description	* Students propose their idea of the project of the IoT application system with assumption that this proposal is for getting funding. The project must be a big impact in society, or industries. * Students should consider the following detail of the project's idea: - What are pain points and customer insight? - Designing the system of the proposed project on both hardware/software, including specifying IoT based hardware modules and software used, as well as giving reasons why they choose those hardware and software for their project. - Implementing the simple prototype of the project (need to be discuss for the possibility)
Supervisor	Asst.Prof.Dr. Panarat Cherntanomwong (Computer Innovation Engineering) Email: panarat.ch@kmitl.ac.th
Expected student	Undergraduate: 3rd – 4th year The students should have background knowledge, and be able to communicate in English well.
Communication Channel	Email, Google meet, Microsoft Teams

Project Title	Computer Vision and AI
Description	3D image inspection for Universal Robot guidance system
Supervisor	Assoc. Prof. Dr. Surapan Airphaiboon (Electronics Engineering) Email: surapan.ai@kmitl.ac.th
Expected student	Undergraduate: 3rd - 4th year Graduate Basic electronics for and Computer programming
Communication Channel	Email, Microsoft Teams, Zoom meetings

Project Title	Near Infrared (NIR) Spectroscopy for Agricultural Product and Food
Description	- Introduction of near infrared (NIR) spectroscopy. - Determination of NIR spectra of specific agricultural product and food. - NIR spectroscopy modelling. - NIR spectroscopy of specific agricultural product and food manuscript for journal publication.
Supervisor	Prof. Dr. Panmanas Sirisomboon (Agricultural Engineering) Email: panmanas.si@kmitl.ac.th
Expected student	Undergraduate: 4th year Graduate English proficiency and knowledge background of mathematics, physics and chemistry
Communication Channel	Email, Microsoft Teams

Project Title	Educational Technology, Innovation in Education, e-learning, virtual reality
Description	The purpose of Internship in Department of Industrial education is to exchange knowledge and new ideas on Educational Technology, Innovation in Education as well as cultural between your country and Thailand. You will do and publish the research paper with the assigned professors.
Supervisor	Asst.Prof.Dr. Sirirat Petsangsri (Faculty of Industrial Education) Email: sirirat.pe@kmitl.ac.th
Expected student	Graduate The students should have background knowledge in Educational Technology , computer in education, and English proficiency .
Communication Channel	Email, Google meet, Microsoft Teams, Zoom

Project Title	Sound analysis of the musical instrument.
Description	Different kind of musical instruments produces the different feature of their sound. In this topic, we will investigate the feature of musical instrument you are interested by using sound analysis techniques.
Supervisor	Dr. Nachanant Chitanont (Institute of Music Science & Engineering) Email: nachanant.ch@kmitl.ac.th
Expected student	Undergraduate: 4th year Graduate The students should have TOEFL more than 500, background knowledge in digital signal processing.
Communication Channel	Email, Google meet

Project Title	Business Reseach (Human Resource Management/ Organization Development / Industrial Management/ Supply Chain Management)
Description	Business Research
Supervisor	Asst. Prof. Dr. Nuttawut Rojniruttikul (Business School) Email: nuttawut.ro@kmitl.ac.th
Expected student	Undergraduate: 4th year Graduate English Proficiency - Hight/Moderate
Communication Channel	Email, Microsoft Teams, Zoom meetings, Google meet

Project Title	Small-Scale Vertical Axis Wind Turbine (VAWT)
Description	The objectives of this topic are to: (1) Conduct literature review on the design of a VAWT in regard to the aerodynamic performance. (2) Perform an analytical study to estimate the torque expected to be generated from a VAWT. (3) Determine the effects of scaling the VAWT's dimensions on its aerodynamic performance (in particularly, lift, drag, and torque).
Supervisor	Dr. Pititat Itsariyapinyo (International Academy of Aviation Industry) Email: pititat.it@kmitl.ac.th
Expected student	Undergraduate: 4th year Master Fluent in English, Knowledge of fluid dynamics and/ or aerodynamics.
Communication Channel	Email, Microsoft Teams, Zoom meetings, etc.