

Chiang Mai University

International Internship Proposal 2023

Summary of the proposal

The international internship at Chiang Mai University in 2023 will have a broader scope than in the past, with various companies affiliated with CMU recruiting skilled students for internships. This year, CMU offers the internship with renowned professors who are highly skilled in their respective fields. KIRLY Lab's knowledge and innovations research lab, which serves the College of Arts, Media, and Technology, is home to three Erasmus+ projects and one Lancang-Mekong regional project. Another four Chiang Mai University-affiliated startup businesses are offering interns a chance for each company to work and learn under their professional supervision.

1. KIRLY LAB's Projects descriptions and workloads

1.1 SUNSpACe Project

Description : (Ref No: 598748-EPP-1-2018-1-FR-EPPKA2-CBHE-JP)

SUNSpACe Sustainable Development Smart Agriculture Capacity, co-funded by the Erasmus+ program of the European Union, aims to create a system of education and training to help farmers comprehend the use and utility of new technology. There are issues that need to be resolved as a result of smart farming and skill prioritization. These issues are logically addressed and the Sunspace project is made more appealing to students, researchers, and the general public by advocating the prerequisites for a suitable adaptive learning approach for smart farmers.

1.2 DigiHealth Project

Description : (Ref No 619193-EPP-1-2020-1-BE-EPPKA2-CBHE-JP)

DigiHealth-Asia aims to build capacity in Higher Education Institutes (HEIs) of the partner countries (Pakistan, Thailand and Mongolia) to develop project-based courses in digital health and that would begin a new transformation in the operation of Asian healthcare systems. The main objective of the project is to harness the power of ICT in healthcare through the introduction of digital healthcare specialized courses that would train and assist the healthcare professional in remote monitoring patients. (Tutorials will be provided)

1.3 CENTRAL Project

Description: (Ref No 598914-EPP-1-2018-1-DK-EPPKA2-CBHE-JP) CENTRAL aims to develop and implement academic educational curricula with an international orientation in content and/or form, aimed at preparing students to perform (professionally or socially) in an international and multicultural context, and designed for domestic and/or foreign (international) students. CENTRAL aims to increase the employability, internationalization, and interdisciplinary engagement of students, graduates, and research staff.

1.4 Lancang Mekong Project

Description: The Lancang-Mekong Project is a collaboration of Lancang-Mekong regions such as Yunnan (China), Chiang Mai (Thailand), Vientiane (Laos), and Phnom Penh (Cambodia). the project newly got the fund by LMCSF and had kick off meeting on 30th September 2022. The project has a 1-year duration.

Project objective :A relatively complete integrated management system for industrial production safety has been established, covering such modules as the factory operation monitoring platform, decision-making assistance platform, big data application support platform, and technical specification construction. The project can still be applied to multiple fields such as smart parks, smart campuses, smart communities, and smart cities.

2. Innergy lab Co.,Ltd.

Description : Founded in 2017, Innergy Lab aims to create innovative, scalable solutions in renewable energy and sustainable agriculture by utilizing IoT and software technologies. The company's mission statement is "enabling a world powered by sustainable agriculture and renewable energy through breakthrough technology." On creative projects to make sustainable energy and agriculture accessible and affordable, we work with corporate partners, Chiang Mai University, and its affiliates. In Chiang Mai and Thailand, we want to be known as the industry leader in sustainable software solutions.

3. SUNSPACE FARM CO., LTD.

Description : We want to provide an out-of-the-box IoT cloud or on-premises solution for enabling server-side infrastructure for your IoT applications. Sunspace Farm provides goods, services, and solutions to the agricultural industry based on intelligent sensor data, remote sensing, and geographic information. Sunspace Farm has access to a large network of highly skilled

technical personnel to meet the needs of new projects in a variety of agricultural industries.

4. CAS COGNISER (THAILAND) CO., LTD.

Description: Computer vision Through deep learning algorithm, intelligent analysis and processing of images and video is carried out to realise technologies including face recognition, object scene recognition and limb bone recognition.

- Robot and UAV control Based on Open API framework realises the functions of precise positioning, high-precision attitude adjustment and fine motion control of intelligent robots on land, water and air.
- 5G wireless communication and big data In the application scenario of 5G, combined with edge computing technology, the analysis results are applied to all walks of life by means of data visualisation.
- Real and virtual scene modelling Based on the huge model database, it realises the modelling of animal, plant, building and other real objects, and forms an integrated customised solution.

5. INNOVATIVE AGENCY Co.,Ltd.

Description : Innovative Agency Co., Ltd. is a digital agency that serves as a point of contact for all digital services. Our core competency is to provide various digital tools to assist businesses. Your maximum efficiency can assist any company, whether it is a new business or a large corporation that needs to constantly develop online marketing strategies and be known in the digital world, in connecting and communicating with their target audience. Innovative Agency Co., Ltd. has launched a digital platform support training workshop on virtual trade fairs and virtual online business matching for SMEs and OTOP entrepreneurs in Chiang Mai, and conducted a project to develop the potential of entrepreneurs in the North's digital economy.