

AUTOMATED SOFTWARE ENGINEERING FOR **THAILAND** SOFTWARE INDUSTRY

INDUSTRY ACADEMIA PARTNERSHIP
PROGRAMME (IAPP) 18/19 NO. 74

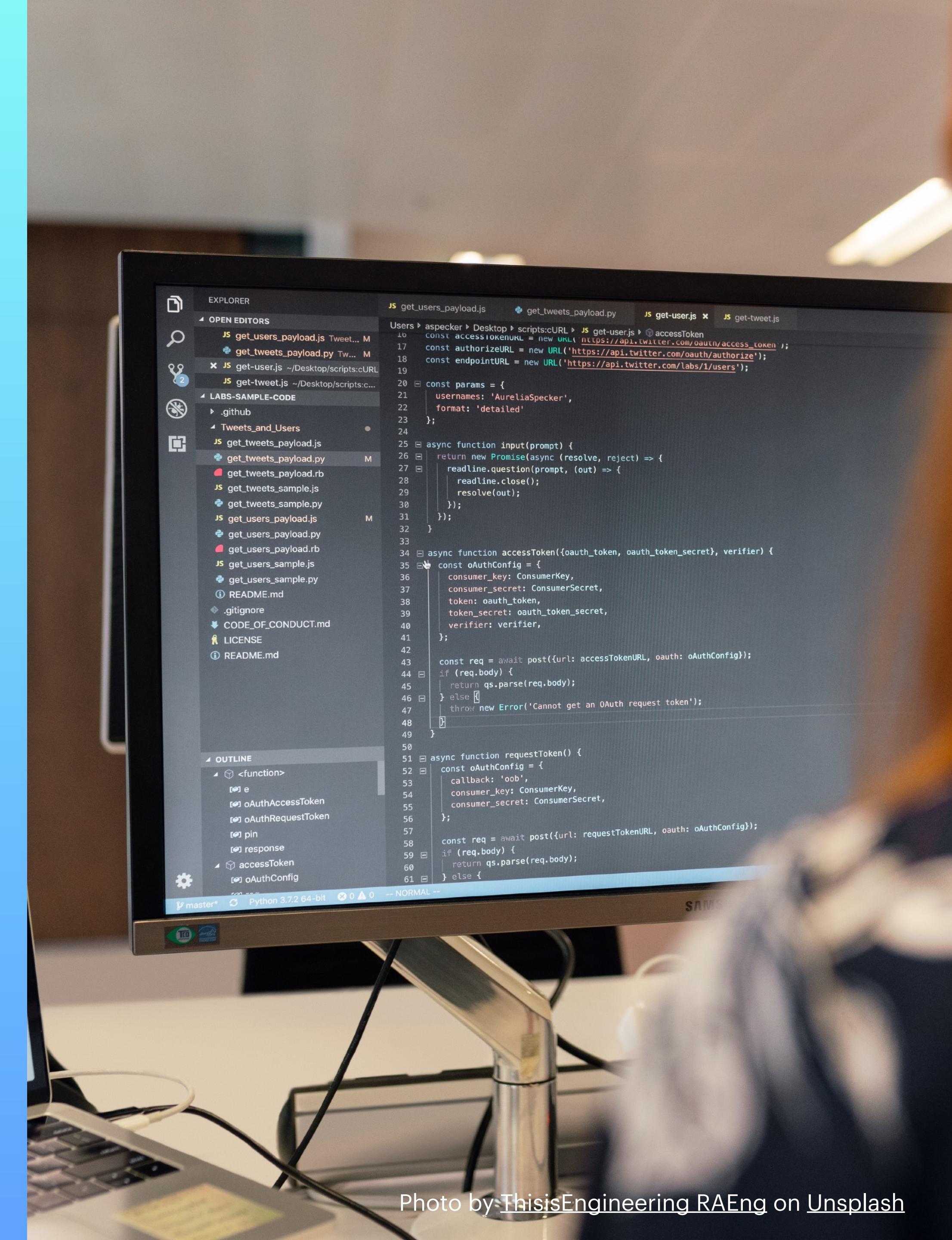


Photo by [ThisisEngineering RAEng](#) on [Unsplash](#)

SOFTWARE ENGINEERING RESEARCH UNIT MAHIDOL UNIVERSITY



Improving Thailand's software companies

ISO/IEC 29110 implementation and consultation

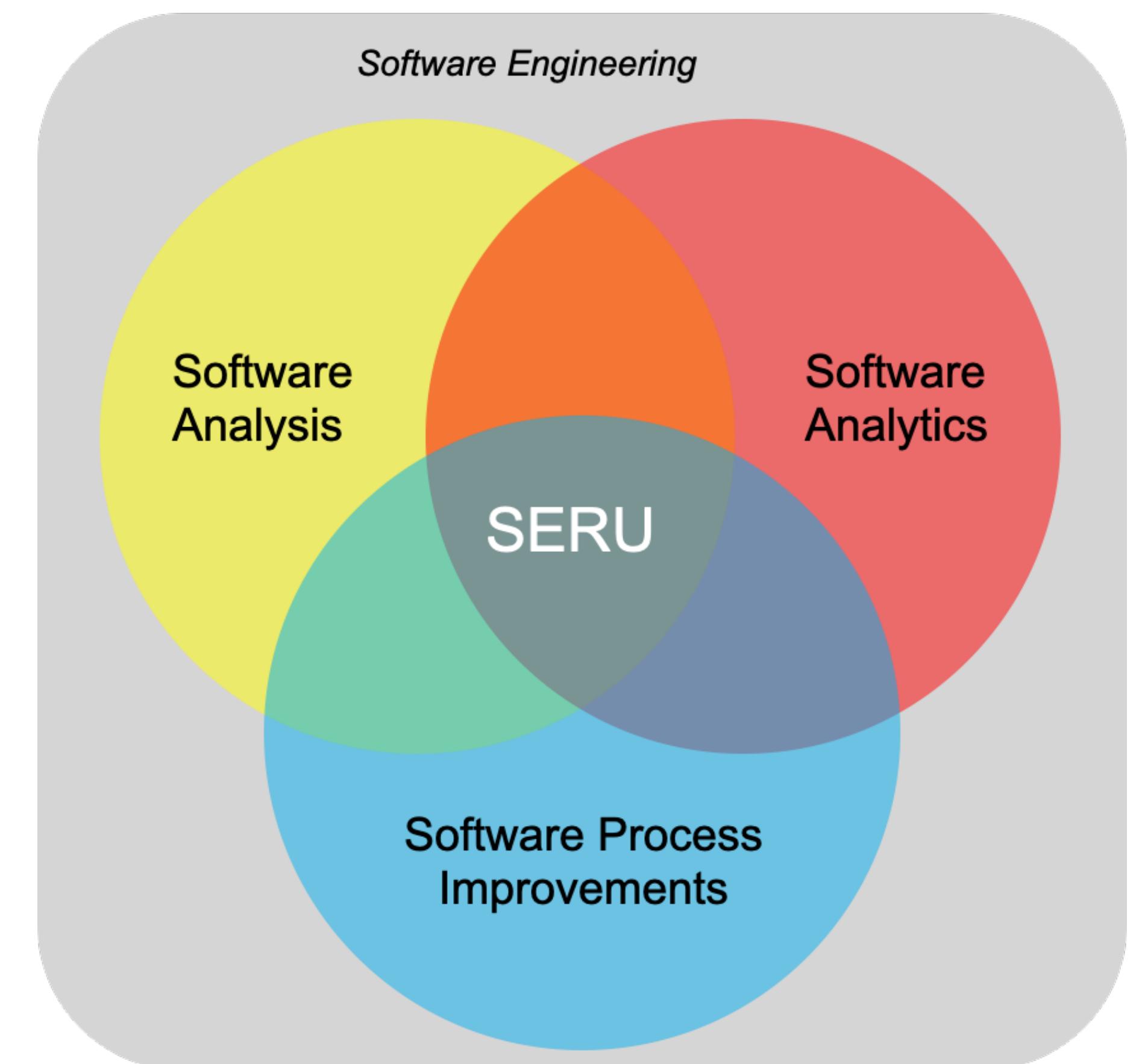
**Automated Software Engineering for Thailand
Software Industry**

Data analytics for software development

Code quality improvements



<https://muict-seru.github.io>



SERU MEMBERS



Dr. Thanwadee Sunetnanta

Assistant Professor

Research interests:

Requirements Engineering – model consistency checking, traceability
Software Process Improvement – automation, knowledge engineering, quantitative approach



Dr. Apirak Hoonlor

Assistant Professor

Research interests:

SE practice for Data Science project, Data-Driven Solution for SW Development Process.
SE Mining (mining SE related repository for insight in software development)



Dr. Morakot Choetkertikul

Research interests:

AI-driven software engineering
Empirical software engineering
Mining software repositories



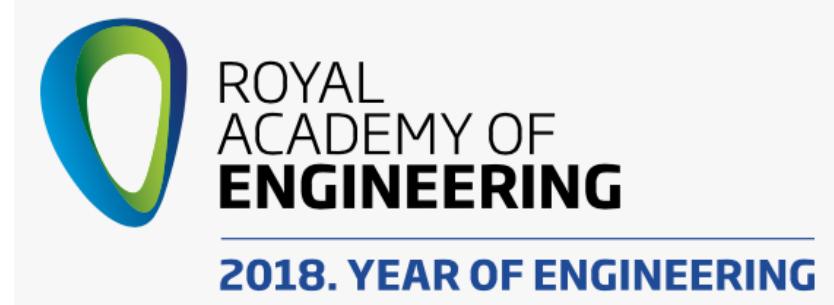
Dr. Chaiyong Ragkhitwetsagul

Research interests:

Software analysis, code duplication, code similarity and its applications
Automated software engineering and mining software repositories

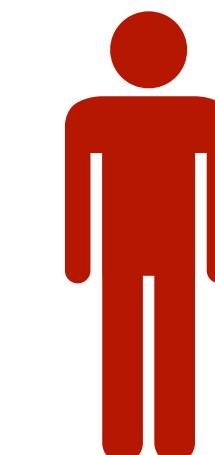
AUTOMATED SOFTWARE ENGINEERING FOR THAILAND SOFTWARE INDUSTRY

Duration: 1 April 19 – 30 November 22 (2 years + extension)

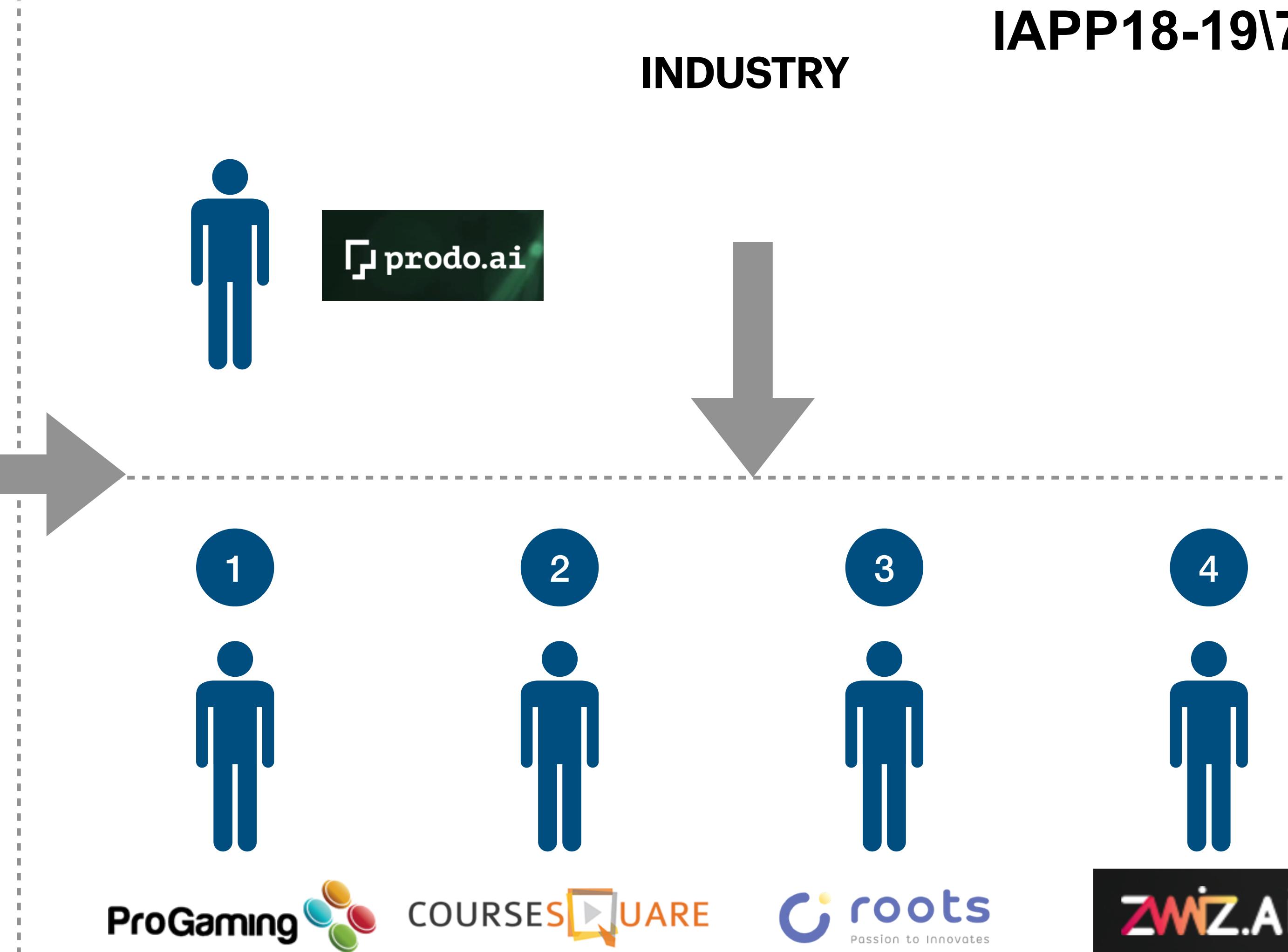


IAPP18-19\74

ACADEMIC



Mahidol University

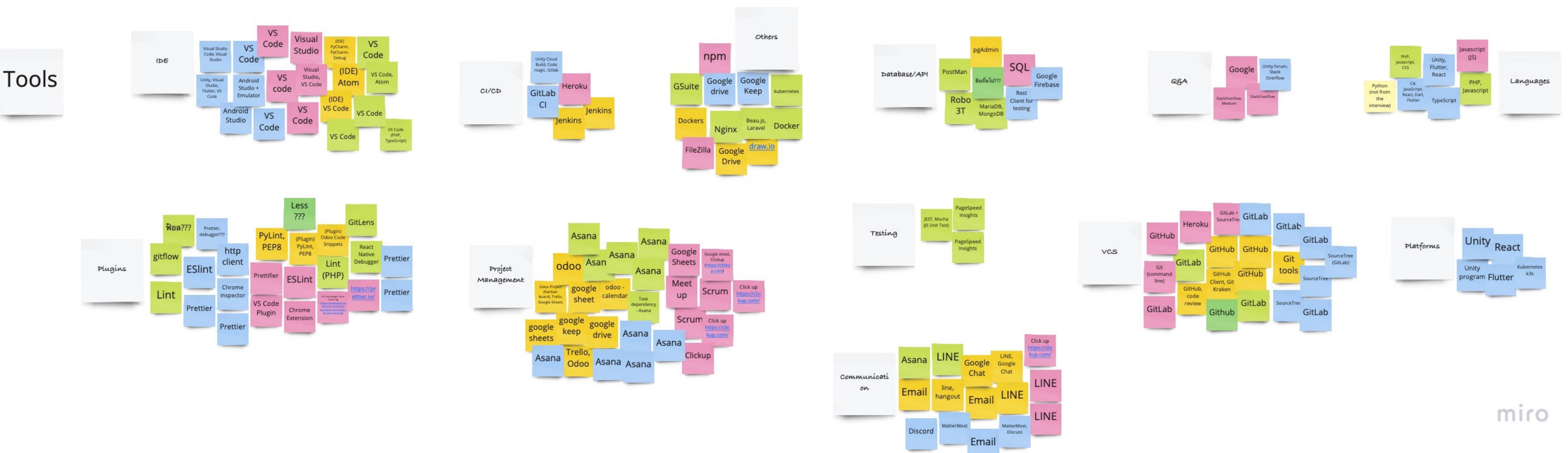
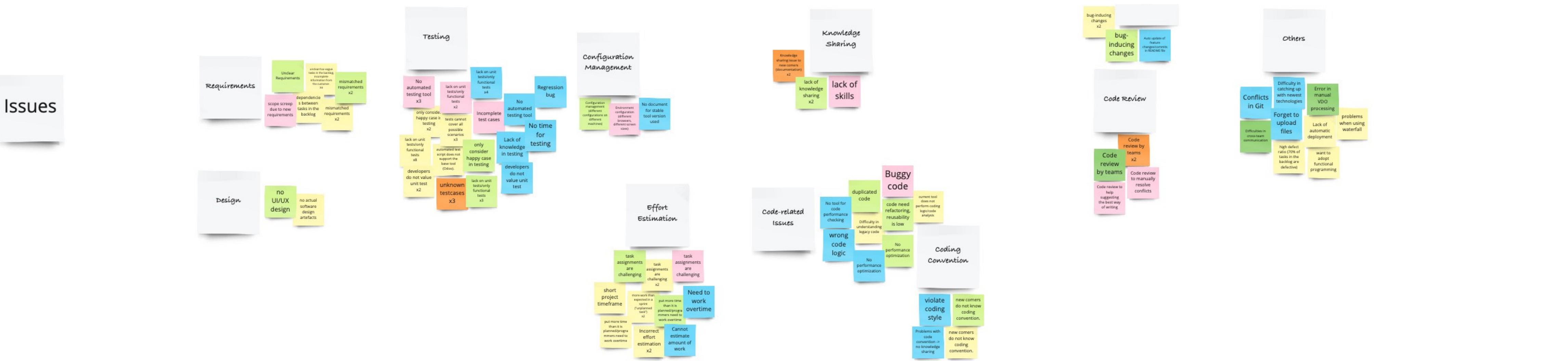


GOALS AND OBJECTIVES

1

The project aims to investigate the challenges in software engineering that specifically occur in Asian culture, especially in Thailand, and how effective automated software engineering (ASE) tackles such challenges.





IDENTIFIED CHALLENGES

1

Software measurements

2

Static code analysis

3

Software testing

+ CI/CD

GOALS AND OBJECTIVES

2

The project aims to transfer the advanced ASE knowledge in software engineering from the UK experts to practitioners in Thailand software industry to tackle such challenges and to improve the quality of software development in Thailand.



GOALS AND OBJECTIVES

3

The project aims to establish a long-term collaboration between the UK university (UCL) and Thai University (Mahidol).

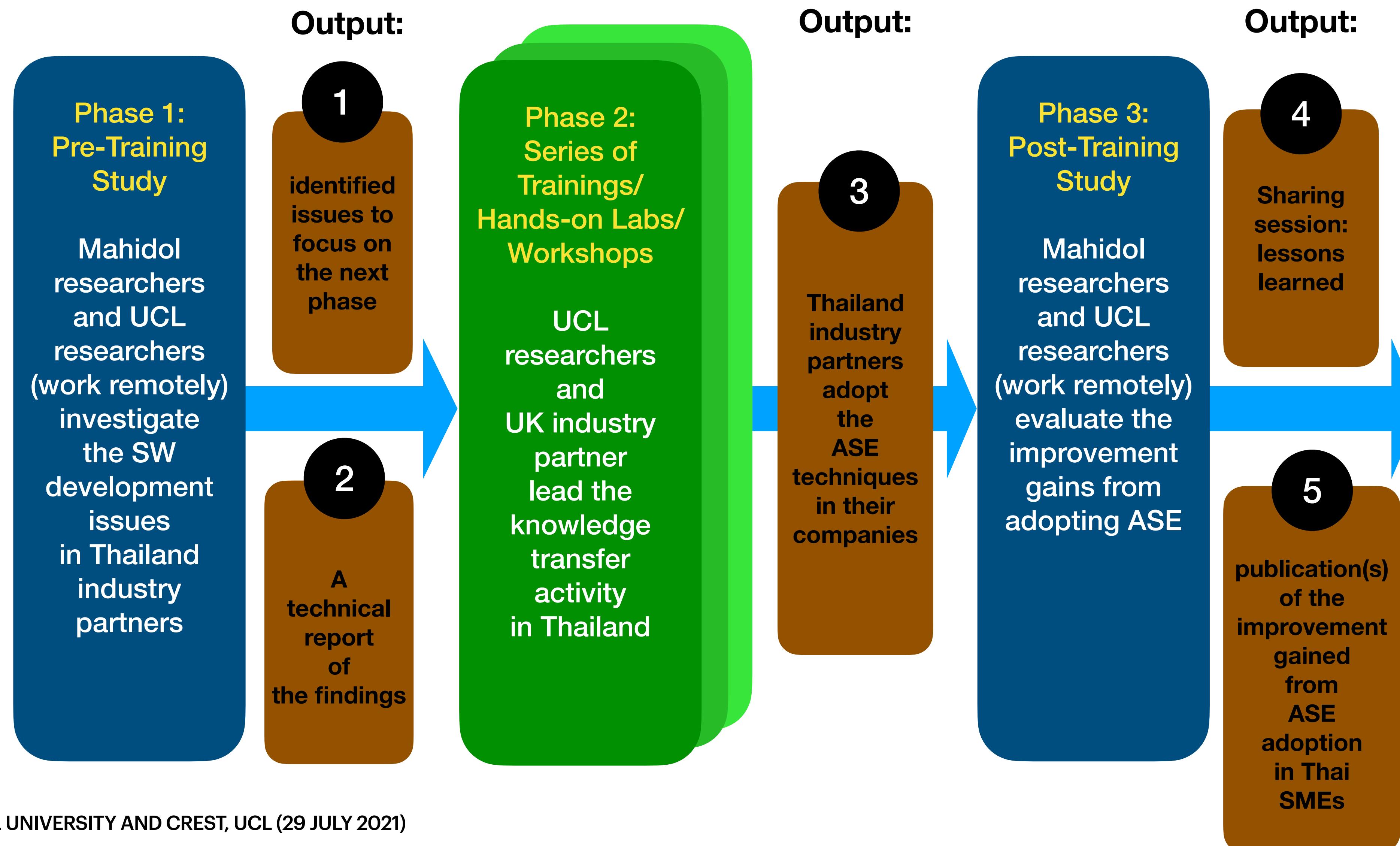


Photo by Surya Prasad on Unsplash



Mahidol University

PROJECT PHASES AND OUTPUT



INVITATION TO PARTICIPATE IN THE SURVEY

<https://b.link/ase-survey>

ขอเชิญชวนตอบแบบสอบถามเรื่อง

“**วิศวกรรมซอฟต์แวร์อัตโนมัติในประเทศไทย (A Survey of Automated Software Engineering in Thailand)**”

เพื่อศึกษาความรู้ความเข้าใจของนักพัฒนาซอฟต์แวร์ในประเทศไทยเกี่ยวกับเครื่องมือและเทคนิคที่เกี่ยวกับ **Automated Software Engineering** และเพื่อนำมาพัฒนางานวิจัยและบริการวิชาการด้านวิศวกรรมซอฟต์แวร์ของไทยต่อไป

