PERSONAL DATA

Name : CHAMIKORN HIRANRAT
Position : Lecturer
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ORCID : 0000-0001-9599-8130
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PUBLICATIONS SUMMARY

4	1	3
International Journal	International. Proceedings	National. Proceedings

Total Publications: 8

EDUCATION

Ph.D. Degree	Ph.D. (Knowledge and Innovation Management (International Program)) Chiang Mai University
Master Degree	M.Sc.(Computer Science), Prince of Songkla University
Bachelor Degree	B.Sc.(Computer Science), Prince of Songkla University

RESEARCH INTERESTS

Management

Software engineering education

APPOINTMENT

TEACHING

- Business Analytics and Visualization
- Component-Based Software Development
- Design Thinking and UI/UX
- Object-Oriented Analysis and Design
- Object-Oriented Programming
- Programming and Data Structure
- Software and Computer Programming
- Special Topics in Software Engineering (iOS Application Development)
- System Analysis and Design
- Web Programming
- Workshop in Information Technology III (Developing Windows Application with .NET Technology C#.Net)
- Workshop in Information Technology III (Java Web Application Development)

TRAINING

Certificates:

- Google Conduct UX Research and Test Early Concepts (January 2024)
- Google Build Wireframes and Low-Fidelity Prototypes (November 2023)
- Google Start the UX Design Process: Empathize, Define, and Ideate (October 2023)
- Google Foundations of User Experience (UX) Design (August 2023)
- Google Foundations of Digital Marketing and E-commerce (April 2023)
- Oracle University **Oracle Certified Associate, Java SE 8 Programmer** (October 2015)
- University of Southampton, Centre for Language Study, **English for Academic Study Course** (30 January - 1 June 2012)

Trainings:

June 5-9, 2017 **Core iOS Programming with Swift,** Code Mobile Co. Ltd., Bangkok
July 28-29, 2016 **Spring (Java Web Framework)**, Software Park (Thailand), Bangkok
May 18-22, 2015 **iPhone & iPad Development Using Swift I**, Apple Inc.(Thailand), Bangkok
June 15-19, 2015 **iPhone & iPad Development Using Swift II**, Apple Inc.(Thailand), Bangkok

OTHERS

Administrative Positions, Faculty of Technology and Environment
Prince of Songkla University, Phuket Campus, Phuket, Thailand
January 2015 – July 2017 Program Manager of Software Engineering Program
November 2013 – July 2014 Deputy Dean of Academic Affairs
September 2012 – March 2013 Head of Information and Communication Technology Department

INTERNATIONAL JOURNAL ARTICLES

Duangjan, C., Hiranrat, C., & Sansompron, N. (2026). Competitive Advantage and Innovation Performance of MSMES: The Effects of Government Support, Entrepreneurial Competencies, and Creative Self-Efficacy. *International Journal of Business and Society. 27*(2). 600-620. *https://doi.org/10.33736/ijbs.14353.2026*

8/2026 *business, Management*

Duangjan, C., Hiranrat, C. & Chumkaew, S. (2025). *Entrepreneurial Competencies for the Success of MSME Entrepreneurs in Thailand. TEM Journal, 14*(2), 1742-1754.

https://www.temjournal.com/content/142/TEMJournalMay2025_1742_1754.pdf

5/2025 *Technology, Management*

Hiranrat, C., Harncharnchai, A., & Duangjan, C. (2023). Students' Communication Self-efficacy and Its Impact on the Enhancement of Communication Skills in Software Engineering Project Courses. *TEM Journal*, *12*(3), 1687.

https://www.temjournal.com/content/123/TEMJournalAugust2023_1687_1696.pdf

8/2023 *IT education, Software Engineering*

Hiranrat, C., Harncharnchai, A., & Duangjan, C. (2021). Theory of planned behavior and the influence of communication self-efficacy on intention to pursue a software development career. *Journal of Information Systems Education*, *32*(1), 40-52.

https://jise.org/Volume32/n1/JISEv32n1p40.html

1/2021 *Software Engineering*

INTERNATIONAL PROCEEDINGS

Hiranrat, C., & Harncharnchai, A. (2018, July). Using text mining to discover skills demanded in software development jobs in Thailand. In *Proceedings of the 2nd international conference on education and multimedia technology* (pp. 112-116).

https://dl.acm.org/doi/pdf/10.1145/3206129.3239426?casa_token=ipsj7k0njK4AAAAA:zBdiMLZoCGraZY24M20AE4Mv2BT87j8YnDOI257iaGPk2-5DsJayso4PyqIfYB93-vCxnwuq_oqK_VU

7/2018 *Text mining, Text analysis*

NATIONAL PROCEEDINGS

Hiranrat, C. "The implementation of Project-Based Learning in Object-Oriented Programming Course (Poster)," in *The 5th PSU Education Conference Instruction Design for Autonomous Learner*, Songkla, December 2016.

12/2016 *Education*

Hiranrat, C., Buanuan, T., Kantangkul, P., and Issarathummakul, P., "Coastal Erosion Monitoring System," in *The 12th National Conference on Computing and Information Technology (NCCIT 2016)*, Khon Khan, July 2016.

7/2016 *Mobile Application*

Hiranrat, C. and Pohthong, A., "The Adoption of Mobile Agents for Electronic Auction: Case Study of Electronic Auction at Rubber Brokering Service of Thailand," in *The 3rd National Conference on Computing and Information Technology (NCCIT 2007)*, Bangkok, May 2007.

4/2007 *INFORMATION TECHNOLOGY*

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