

## PERSONAL DATA



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## 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

## APPOINTMENT

## TEACHING

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

## INTERNATIONAL JOURNAL ARTICLES

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](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](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:zBdiMLZoCGraZY24M20AE4Mv2BT87j8YnDOI257iaGpk2-5DsJayso4PqJfyB93-vCxnwuq\\_oqK\\_VU](https://dl.acm.org/doi/pdf/10.1145/3206129.3239426?casa_token=ipsj7k0njK4AAAAA:zBdiMLZoCGraZY24M20AE4Mv2BT87j8YnDOI257iaGpk2-5DsJayso4PqJfyB93-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

## 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

## OTHERS

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### 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

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### COLLEGE OF COMPUTING

Prince of Songkla University Phuket Campus

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Website : [computing.psu.ac.th](http://computing.psu.ac.th)