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The Journal of Applied Informatics and Technology (JIT) has published Volume 7, Number 1 (2025), comprising a total of 13 research articles. Four articles are in English, and nine are in Thai. Each article has undergone peer review by at least three experts. The authors revised their articles according to the reviewers' comments until approval for publication was granted. The editorial team has also verified the accuracy of the article content, references, and language usage to ensure the highest quality. We would like to thank all the reviewers for their valuable feedback and recommendations.

The articles published in Volume 7, Number 1 (2025) are as follows:

1) A Study of Generation Z on Their Learning Styles, Online Learning Methods and Search Strategies Author: Saranya Saetang (Saetang, 2025)

2) TalkTutorAI: Empowering English Language Proficiency through ChatGPT-Assisted Conversational Practice – A Case Study at Ubon Ratchathani Rajabhat University, Thailand Authors: Kimchhong Say, Charnsak Srisawatsakul, Waransanang Boontarig (Say, Srisawatsakul, & Boontarig, 2025)

3) Smart Greenhouse System Based on Internet of Things using Information Flow Diagram and MQTT Connectivity Authors: Sommart Promput, Naris Uraipan, Suttipong Klongdee (Promput, Uraipan, & Klongdee, 2025)

4) Developing a VR Map for the Faculty of Computer Science, Ubon Ratchathani Rajabhat University: A Design Science Approach Authors: Charnsak Srisawatsakul, Waransanang Boontarig, Santanee Kitpermkiad, Tanarat Chotiphan, Theerada Chotiphan (Srisawatsakul, Boontarig, Kitpermkiad, Chotiphan, & Chotiphan, 2025)

5) Mobile Application with Augmented Reality Technology for Digestive System Learning of Upper-Primary School Students Authors: Nipaporn Chanamarn, Surasit Uyatchawong, Komcharn Suwannapan (Chanamarn, Uyatchawong, & Suwannapan, 2025)

6) Comparison the Performance of Models for Classifying Thai Exported Fruit Images Authors: Walaiporn Sornkliang, Woraphat Jaihao, Prumrapee Thongkaew, Thanabdin Hemtanon, Pichayut Srinuankaew, Kritaphat Songsri-in (Sornkliang, Jaihao, Thongkaew, Hemtanon, Srinuankaew, & Songsri-in, 2025)

- 7) Guidelines for Communicating the Identity of the Three Dhammas for Tourism in Sakon Nakhon Province Authors: Jiraphat Roemsri, Niramol Nueangsittha (Roemsri & Nueangsittha, 2025)
- 8) The Development of Learning Media Application About Thai Proverbs for Students in Grades 4-6 Authors: Wiraiwan Sanchana, Jakkrit Sukajan (Sanchana & Sukajan, 2025)
- 9) Factors Affecting the Acceptance of Live Streaming Technology for Purchasing Products by Ubon Ratchathani Rajabhat University Students: Case Study of TikTok Application Authors: Santanee Kitpermkiad, Charnsak Srisawatsakul (Kitpermkiad & Srisawatsakul, 2025)
- 10) Factors Affecting Mobile Game Preference for Alpha Generation with MDA Games Analysis Framework Authors: Punyarat Rungsoongnern, Suwich Tirakoat (Rungsoongnern & Tirakoat, 2025)
- 11) Burn Wound Severity Detection using Segmentation Model: A Comparative Study Between U-NET and YOLOv8 Authors: Kwankamon Dittakan, Sorawit Nookong (Dittakan & Nookong, 2025)
- 12) The study of Presentation Style Performance of a Business Intelligence System and Chatbot for a Maintenance Support System Authors: Natadsada Sungsaophat, Satidchoke Phosaard (Sungsaophat & Phosaard, 2025)
- 13) Utilizing Color Palettes for Designing Two-Dimensional Thong Isan Patterns Authors: Yosvadee Yothathikarn, Siri-orn Vongtavee, Montakarn Tummawat, Kamonwan Ratchatawetchakul (Yothathikarn, Vongtavee, Tummawat, & Ratchatawetchakul, 2025)

The editorial board of JIT sincerely hopes that the 13 articles published in this issue will benefit researchers and provide valuable knowledge for the further development of their work.

Assoc. Prof. Olarik Surinta, Ph.D.

Editor-in-Chief

References

Saetang, S. (2024). A Study of Generation Z on Their Learning Styles, Online Learning Methods and Search Strategies. *Journal of Applied Informatics and Technology*, 7(1), 1–11. <https://ph01.tci-thaijo.org/index.php/jait/article/view/254671>

Say, K., Srisawatsakul, C., & Boontarig, W. (2024). TalkTutorAI: Empowering English Language Proficiency through ChatGPT-Assisted Conversational Practice – A Case Study at Ubon Ratchathani Rajabhat University, Thailand. *Journal of Applied Informatics and Technology*, 7(1), 12–26. <https://ph01.tci-thaijo.org/index.php/jait/article/view/254818>

Promput, S., Uraipan, N., & Klongdee, S. (2024). Smart Greenhouse System Based on Internet of Things using Information Flow Diagram and MQTT Connectivity. *Journal of Applied Informatics and Technology*, 7(1), 27–40. <https://ph01.tci-thaijo.org/index.php/jait/article/view/256255>

Srisawatsakul, C., Boontarig, W., Kitpermkiad, S., Chotiphan, T., & Chotiphan, T. (2024). Developing a VR Map for the Faculty of Computer Science, Ubon Ratchathani Rajabhat University: A Design Science Approach. *Journal of Applied Informatics and Technology*, 7(1), 41–56. <https://ph01.tci-thaijo.org/index.php/jait/article/view/254806>

Chanamarn, N., Uypatchawong, S., & Suwannapan, K. (2024). Mobile Application with Augmented Reality Technology for Digestive System Learning of Upper-Primary School Students. *Journal of Applied Informatics and Technology*, 7(1), 57–72. <https://ph01.tci-thaijo.org/index.php/jait/article/view/254842>

Sornkliang, W., Jaihao, W., Thongkaew, P., Hemtanon, T., Srinuankaew, P., & Songsri-in, K. (2024). Comparison the Performance of Models for Classifying Thai Exported Fruit Images. *Journal of Applied Informatics and Technology*, 7(1), 73–90. <https://ph01.tci-thaijo.org/index.php/jait/article/view/255424>

Roemsri, J., & Nueangsittha, N. (2024). Guidelines for Communicating the Identity of the Three Dhammas for Tourism in Sakon Nakhon Province. *Journal of Applied Informatics and Technology*, 7(1), 91–106. <https://ph01.tci-thaijo.org/index.php/jait/article/view/254542>

Sanchana, W., & Sukajan, J. (2025). The Development of Learning Media Application About Thai Proverbs for Students in Grades 4-6. *Journal of Applied Informatics and Technology*, 7(1), 107–121. <https://ph01.tci-thaijo.org/index.php/jait/article/view/254558>

Kitpermkiad, S., & Srisawatsakul, C. (2025). Factors Affecting the Acceptance of Live Streaming Technology for Purchasing Products by Ubon Ratchathani Rajabhat University Students: Case Study of TikTok Application. *Journal of Applied Informatics and Technology*, 7(1), 122–136. <https://ph01.tci-thaijo.org/index.php/jait/article/view/254816>

Rungsoongnern, P., & Tirakoat, S. (2025). Factors Affecting Mobile Game Preference for Alpha Generation with MDA Games Analysis Framework. *Journal of Applied Informatics and Technology*, 7(1), 137–152. <https://ph01.tci-thaijo.org/index.php/jait/article/view/255494>

Dittakan, K., & Nookong, S. (2024). Burn Wound Severity Detection using Segmentation Model: A Comparative Study Between U-NET and YOLOv8. *Journal of Applied Informatics and Technology*, 7(1), 153–173. <https://ph01.tci-thaijo.org/index.php/jait/article/view/255064>

Sungsaophat, N., & Phosaard, S. (2025). The study of Presentation Style Performance of a Business Intelligence System and Chatbot for a Maintenance Support System. *Journal of Applied Informatics and Technology*, 7(1), 174–192. <https://ph01.tci-thaijo.org/index.php/jait/article/view/255402>

Yothathikarn, Y., Vongtavee, S., Tummawat, M., & Ratchatawetchakul, K. (2024). Utilizing Color Palettes for Designing Two-Dimensional Thong Isan Patterns. *Journal of Applied Informatics and Technology*, 7(1), 193–210. <https://ph01.tci-thaijo.org/index.php/jait/article/view/254874>

Aim & Scope

Journal of Applied Informatics and Technology (JIT) is a peer-reviewed and open-access journal that aims to publish leading edge researches on any possible topic in informatics, technology, and other related areas, both from theoretical and empirical perspectives.

JIT was founded in 2017. JIT published the first online and print issue in August, 2018 using ISSN: 2586-8136 (online) and 2630-094X (print). JIT has 2 issues/year (January-June and July-December). Since 2020, JIT decided to publish all manuscripts only online version. There is absolutely no charge for the authors/visitors for all the processes of submitting, reviewing, publishing, accessing and downloading the articles with/from the JIT journal.

Scope of the Research

Topics of interest include, but are not limited to, the following:

- Information Technology
- Computer Science
- Geo-Informatics
- Information Science and Management
- Digital Media
- Communication Arts

Types of Manuscripts

The JIT journal welcomes submissions in three academic formats:

- Research article
- Review article
- Academic article

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JIT has 2 issues/year (January-June and July-December). JIT decided to publish all manuscripts only online version.

- No. 1: January-June
- No. 2: July-December

Review Process

The articles must be original and never be published in any other websites or other journals before. The articles which are considered as “plagiarism” articles are strongly prohibited to be published in the JIT journal.

Authors are required to include their names and affiliations in their manuscripts, whereas reviewers are not visible to authors. All submitted manuscripts are subjected to peer-review by at least three independent reviewers. Peer reviews are done by a double-blind review method where the identity of the reviewers and the authors are not disclosed to either party.

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- everyone has free access to the manuscript of all articles published in JIT journals.
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