



Create Lifelong Learning Experiences for Sustainable Educational Quality

4 QUALITY
EDUCATION



OVERVIEW

NIDA is guided by the philosophy WISDOM for Sustainable Development: Building Knowledge for Sustainable Development. With this vision, the institute recognizes the importance of developing a lifelong learning system a leading institution of wisdom for society and a creator of leaders for sustainable international development suitable for learners of all ages. This is achieved through research, an online training platform, NIDA for Life, all of which is designed to enhance knowledge and skills in areas of personal interest, professional learning, and academic development. In brief, the initiative provides lifelong learning experiences and promotes sustainable improvement in educational quality.

RESEARCH

Promoting research related to lifelong learning for people of all ages

The research project titled “Sustainable Training of Artificial Intelligence Artists Using Small Training Data on Deep Learning Models” received funding support from the Office of the Science, Research and Innovation Promotion Board (TSRI). The project aims to study deep learning techniques to develop AI artist models capable of efficiently creating digital artworks under data and resource constraints. The research was conducted through two main approaches:

- Utilizing AI artists to create and integrate traditional Thai art patterns: The results demonstrated that the proposed methods could preserve the cultural identity of Ban Chiang and Sukhothai (Sangkhlok) motifs while enhancing possibilities for contemporary creative expression.
- Developing cross-lingual learning techniques for the Thai language: This involved training linguistic encoders in AI artists to support Thai language input using resource-efficient techniques and high-quality synthetic data training. This advancement allowed AI artists to respond accurately to Thai text inputs and generate culturally contextualized images that better represent Thai heritage.

The research findings indicated that although working with limited training data in deep learning contexts presents challenges regarding data diversity and may incur additional costs for generating synthetic data, the proposed approach successfully enhanced the AI artist models for practical applications. Moreover, it demonstrated the potential for adapting open AI artist models for low-resource languages in the future. In terms of its theoretical and practical contributions, this research stressed the role of artificial intelligence in preserving and extending Thai artistic and cultural heritage, while simultaneously creating new value in the creative economy for sustainable development.

TEACHING & LEARNING

Empowering lifelong learning for sustainable development

NIDA established a Sikhio Campus as an educational hub for northeastern Thailand, expanding access to high-quality graduate education and professional training for government officers, local citizens, and community enterprises.

NIDA has established a platform for lifelong learning through its online learning system, NIDA for Life, offering five main learning categories: AI / Digital Technology, Environment and SDGs Language and (Mass) Communication, Management, and Self-Improvement. To realize this program, faculty members from 11 schools and one college contribute their expertise across a variety of contemporary topics. Learners can access courses through NIDA for Life, and upon completion, receive a certificate of achievement.



In addition, NIDA organizes study visits and learning exchange activities on local community development at the Community Organizations Development Institute (Public Organization), and activities at the Foundation of Dentistry under Royal Patronage, helping students recognize the importance and value of sustainable development.

What is more, NIDA continuously develops its lifelong learning system through online teaching formats and the design of training courses in collaboration with external organizations. These initiatives respond to the lifelong learning needs of people of all ages, emphasizing both hard skills and soft skills development.

Last but not least, NIDA supports education for sustainable development through specialized programs and elective courses that enable students to learn and apply knowledge to promote sustainability within business and organizational contexts.

COMMUNITY ENGAGEMENT

Learning, sharing & building sustainable communities

NIDA promotes learning exchange in various forms, including:

- Training courses like “How to Learn English Sustainably in the 21st Century” for students, and “Combating Fake News and Cyber Threats” for senior citizens and community leaders in Sikhio District, Nakhon Ratchasima Province.



- The “Proposal Presentation Forum: GSB Yuwaphat Rak Thin Project 2024” ([link](#)), aimed at enhancing and developing local products and services, promoting local wisdom, strengthening the grassroots economy, and improving community entrepreneurship capacity. This initiative also encourages participating students to apply their knowledge in development administration to create tangible and sustainable benefits for communities.



- The “NIDA Little Free Library: Take a Book ... Leave a Book” project ([link](#)), which provides a shared learning space for communities and fosters lifelong learning.



- NIDA advances sustainable infrastructure and green innovation through
 - MOU with Sanken Setsubi Kogyo Co., Ltd.(Japan), a leader I Zero-Energy Building (ZEB) engineering.
 - Initiation of main campus energy-efficient survey and planning for a ZEB pilot demonstration and joint research project.