



OUDOM THACH

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LinkedIn: www.linkedin.com/in/thach-oudom-b04201112 (Thach Oudom)
Github: <https://github.com/DukeDick>

SUMMARY

Mechatronics Engineering graduate and Master's student in Computer Science & AI with strong skills in Python, C++, SQL, and machine learning. Experienced in data analysis, predictive modeling, AI integration, IoT solutions, and full-stack development. Proficient with Flask, Gradio, and Hugging Face platforms. Passionate about AI-driven innovation, data science, and intelligent automation.

EXPERIENCE

AI Engineer Intern, AI FARM ROBOTICS and FACTORY AI CO., LTD March 2025 - June 2025

- Fine-tuning Whisper Large V2 for speech recognition to control a robot dog using Khmer and English languages.
- Collected 5,750 voice data samples from different people to avoid overfitting in WAV files before processing for training.
- Compare different speech recognition and translation models such as Whisper Small, Medium, Large V2, and Turbo.
- Implemented a user interface as an input system using HTML, CSS, and JavaScript to send data to a local server for the fine-tuned model to process speech.
- Integrated UDP and UART protocols on ESP32 to control the Mini Dynamo One robot dog. Developed a micro-ROS system on ESP32 for UDP and UART communication with the Mini Dynamo One robot, integrated with ROS 2.

Professional Trainee as Production and Electrical engineer, Thai PLC Center Jun 2023 - Oct 2023

- Hands-on expertise in Programmable Logic Controllers (PLCs), applying automation solutions to optimize efficiency. Product design, assembly, and quality assurance, utilizing AutoCAD and Fusion 360 to ensure precision in manufacturing.
- Electrical wiring and circuit design, including the development of detailed schematics and Bill of Materials (BOM) for seamless integration.
- Project coordination and cross-functional collaboration, working closely with sales and engineering teams to streamline production workflows.
- Energy monitoring and optimization, using V-BOX and PLC systems to track real-time power consumption, circuit breaker performance, and room temperature stability for improved sustainability.

Sales Assistant, Le Lézard Bleu

Jan 2015 - Jan 2018

- Translated documents from Khmer to English.
- Assisted staffs with communication needs, contacted buyers and research on souvenir frames.
- Helped staffs interact with foreign customers, ensured smooth customer experiences and clear communication.

EDUCATION

Master of Science in Computer Science (Part-time Evening Only) Jan 2025 - 2027 (Expected)

Fort Hays State University and American University of Phnom Penh

- Relevant coursework covers Digital Image Processing, Natural Language Processing, Deep Learning, Generative AI, Reinforcement Learning Advanced Programming, Advanced Software Engineering, and Data Mining.

Bachelor of Engineering Program in Mechatronics Engineering Jun 2019 - Oct 2024

Rajamangala University of Technology Lanna Chiang Mai (Cumulative GPA: 3.0)

- Relevant coursework covers mechanical engineering, electrical engineering, control systems, programming, with key courses covering topics like sensors, actuators, microcontrollers, mechanical design, signal processing, and system integration.

HIGHLIGHTED PROJECTS

Crop Recommendation Analysis and Prediction Using Machine Learning

- Developed and deployed a machine learning-based crop recommendation system leveraging soil nutrient and environmental data.
- Conducted exploratory data analysis (EDA) with statistical summaries, boxplots, and distribution plots to assess soil nutrients (N, P, K) and environmental
- Identified rainfall and humidity as the most influential predictors, followed by potassium and phosphorus, through feature importance analysis.
- Implemented and compared multiple classification algorithms (Decision Tree, Naive Bayes, Logistic Regression, Random Forest) on a 22-class crop dataset.
- Achieved 99.09% accuracy with Random Forest, demonstrating superior robustness in multi-class classification with strong precision, recall, and F1-scores.
- Validated model performance using confusion matrix, classification report, and accuracy comparison charts.
- Deployed the trained model via Streamlit, enabling real-time user input and instant crop recommendations through an interactive web application.

Benchmarking Lightweight CNNs for Skin Lesion Classification on the HAM10000 Dataset

- Conducted an experimental evaluation of five CNN architectures (ResNet-50, DenseNet-121, EfficientNetB0, ShuffleNetV2, and a custom CNN) on the HAM10000 skin lesion dataset.
- Implemented a standardized preprocessing and augmentation pipeline to ensure fair comparison across models.
- Designed and developed a lightweight custom CNN from scratch for efficient training and inference.
- Identified ShuffleNetV2 and EfficientNetB0 as the best trade-off between accuracy and computational efficiency, highlighting suitability for low-resource environments.

Khmer Language Modeling with LSTMs in PyTorch

- Built a character-level language model for Khmer news titles using Recurrent Neural Networks (LSTMs) in PyTorch.
- Prepared and processed dataset by extracting vocabulary, mapping characters to indices, batching, and padding sequences.
- Implemented an LSTM-based architecture with embedding, recurrent, and linear layers for sequence modeling.
- Trained the model with cross-entropy loss optimization, enabling accurate sequence prediction.
- Developed a text generation pipeline to produce new, plausible Khmer news titles by sampling from model outputs.
- Gained hands-on experience in sequence modeling, NLP preprocessing, and generative text modeling with PyTorch.

References

- Dr. Rina Buoy
- Visiting Researcher – Osaka Metropolitan University, Japan
- Applied AI Researcher – Techo Startup Center (TSC), Cambodia
- Adjunct Lecturer – American University of Phnom Penh (AUPP), Royal University of Phnom Penh (RUPP), and CamTech University
- Advisory Board Member – Paragon International University (CS PhD Program), AI Farm Robotics, Federation of Cambodian Startups, Federation of Cambodian Students Abroad
- Contact: +855 17 829 295
- Dr. Sothea Has
- Lecturer and Researcher, Department of Applied Mathematics and Statistics (AMS) & Mechatronics and Information Technology (MIT), Institute of Technology of Cambodia (ITC), Phnom Penh, Cambodia
- Ph.D. in Applied Mathematics from UPMC – Sorbonne Université; served as Teaching Assistant at UFR Mathematics, Université Paris Cité
- Postdoctoral research in the IMPT project focused on statistical and machine-learning-based parameterizations of gravity wave momentum fluxes in climate models at Université Paris Cité and École Polytechnique under the DataWave initiative
- Contact: +855 86 723 327

PROJECTS

- Crop Recommendation System With Streamlit
- Car Price Prediction Using Machine Learning
- Spam Detection System With Streamlit
- Loan Approval System
- GDP Analysis and Prediction
- Plant Disease Classifier
- Loan Repayment Prediction
- Kotlin Shopping List App
- Underwater Plastic Detection
- Breast Cancer Detection
- Classifying X-ray Images using Pytorch
- Personal Portfolio Website
- Rip Current Risk Detection
- Mangrove Species Classification
- Exoplanets Hunting Using Machine Learning
- Building and E-Commerce Clothing Classifier Model with keras
- Predict Energy Consumption
- Youtube Script Writing Tool Using LLM
- Benchmarking Lightweight CNNs for Skin Lesion Classification on the HAM10000 Dataset
- Predicting Customer Personality
- Credit Card Fraud Analysis
- Employee Promotion Prediction
- Aviation Accident Data Analysis

SOFTSKILLS

- Customer Service & Relationship Management
- Willingness to learn new software systems
- **Work under pressure and ability to work independently in a team**
- Problem-Solving & Critical Thinking
- Ethical Decision-Making
- Attention to Detail & Organization
- Communication & Negotiation Skills
- Strong commitment to work under pressure
- Time Management & Multitasking
- Analytical & Investigative Thinking
- Innovation & Process Optimization

TECHNICAL SKILLS

- **Programming Languages:** Python, MATLAB, C++, Java, JavaScript, PLC programming
- **Software:** Solidworks, Fusion360, AutoCAD, LabVIEW, ANSYS, Gazebo, Excel, Word, Canvas
- **Focus:** Machine Learning, Computer Vision, Mechanical Design, Data Science, Applied Control Systems, Generative AI tools, Natural Language Processing
- **Tools:** ChatGPT, Gemini, Sora, DeepSeek, Claude, PyTorch, TensorFlow, GitHub, GitLab, RDBMS, UI/UX

LANGUAGES

- Khmer (Native), English (Fluent), Thai (Fluent), French (Intermediate), Bahasa Indonesia (Intermediate), Vietnamese (Beginner)

CERTIFICATIONS AND AWARDS

- **IELTS (7.5 Overall) :** Listening 7.5, Reading 6.5, Writing 7.0, Speaking 8.5
- **Youth Model ASEAN Conference (YMAC) 2020, Singapore Polytechnic and RMUTL:** international cultural candidate, collaborated with students from various ASEAN countries virtually and onsite, Design Thinking, discussing issues and finding innovative solutions to challenges during the Covid-19 pandemic.
- **SP Virtual 2020, Singapore Polytechnic and RMUTL:** Learned and collaborated with both international and ASEAN student, ASEAN economics, and international laws.
- **Design Thinking x Slow Movement 2021, Nanhua University and RMUTL:** applied principles of Design Thinking to promote sustainable living and mindful practices, cultural collaboration, finding solutions to support elderly communities, promote local products, and learned a bit about Chinese language.
- **Fun Bahasa Indonesia & Cultural Course 2024 Batch V (FBICC), Institute Teknologi Sepuluh Nopember (ITS):** engaged in discussions on topics related to business in Bahasa Indonesia, basic Bahasa Indonesia for the workplace.



FACTORY AI CO., LTD

CERTIFICATE OF INTERNSHIP

THIS CERTIFIED THAT

Thach Oudom

Has successfully completed the internship program in **Intern AI Engineer**
from **March 17th to June 16th 2025**

We found him sincere, hardworking, dedicated, and result oriented.

He worked well in a part of team during his tenure.

We take this opportunity to thank him and wish him for the best in his future.



FACTORY AI CO., LTD





ព្រះរាជាណាចក្រកម្ពុជា
KINGDOM OF CAMBODIA
ជាតិ សាសនា ព្រះមហាក្សត្រ
Nation – Religion – King



អនុសញ្ញាណប័ណ្ណសញ្ញាណតំលៃ
Khmer Identity Card



ទូរសព្ទ និង ការគ្រប់គ្រង ពីរដ្ឋាន និង សមត្ថកិច្ច
 អ្នកវិភាគ និង អ្នកសញ្ញាណ ប័ណ្ណសញ្ញាណតំលៃ



011248558

នាមខាងក្រោមនេះ: **ថាច ឧណុម**

THACH OUDOM

ថ្វីខេត្តកំពង់ចំ: ០៧.១២.២០០០ នគ: បូស កិឡវ: ១៨២ ស.ម

ទីកន្លែងកំណែត: សង្កាត់ចាក់អំពើរក្រាយ ខណ្ឌមានជ័យ ភ្នំពេញ

អាសយដ្ឋាន: ផ្ទះ៦៣ ផ្លូវលំព្រឹង ភ្នំពេញ

សង្កាត់ចាក់អំពើរក្រាយ ខណ្ឌមានជ័យ ភ្នំពេញ

សមាជិក: ០៩.០៥.២០១៦ ដល់ថ្ងៃ ០៩.០៥.២០២៦

ទីន៍វត្ថុ: ស្រុកឃុំ ឃុំ ធនការក្រោមចុងក្រោះ

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ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ

នាមតាន់ខេត្ត សំណង់
ប្រចាំឆ្នាំ ១៩៧៨ ៣០៨៩
អី សង្គម ខាងក្រោម

លេខ ១០៩៩៩៩
សៀវភៅ: សំណង់ ២០៨៩/២០៨៩
ច្បាស់ ២០០៥

សំង្គមបញ្ជាក់គំណើន

នាមតាន់		ចាប់	កេទ
នាមខ្លួនអ្នកកែត		ឧត្តម	ប្រឈម
បានក្រុមទ្វាត់	នាមតាន់	THACH	
	នាមខ្លួនអ្នកកែត	OUDOM	
សញ្ញាតិ		ខ្លួន	
តម្លៃ ខ្លួនកំណើន		តម្លៃទី០១ ខ្លួន ត្រូវ២០០០	
ទីកន្លែងកំណើន រូម យុ សង្គម ស្រុក ខណ្ឌ ខេត្ត ក្រុង ប្រទេស		រូម ព្រៃកតាមធម៌ សង្គមកំណើន អំពីក្រោម ខណ្ឌមានដំឡើង ក្រុងក្នុង ប្រទេសកម្ពុជា	
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នាមតាន់ និង នាមខ្លួន		លេង ចិនចាថ	ខីម សុសាន
បានក្រុមទ្វាត់		LEANG BUNTHACH	
សញ្ញាតិ		ខ្លួន	ខ្លួន
តម្លៃ ខ្លួនកំណើន		តម្លៃទី១ ខ្លួនត្រូវ៩៩៩	តម្លៃទី០១ ខ្លួនត្រូវ៩៩៩
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តារាង

តម្លៃ ១ ក់ ខែ ឯធមុន ត្រូវចិត្ត ស.ស.២៤៦៨
ត្រូវនៅ កាលពី ១៥ មិថុនា ឆ្នាំ ២០១៨

ឈ្មោះ 15-11-18

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អ្នយក្រុងកំណើន ខ្លួន ឱកក



នាមអ្នយក្រុងកំណើន ឱកក



Letter of Certification

Rajamangala University of Technology Lanna Chiang Mai

This is to certify thatMr. Oudom Thach.....

Student ID62545202005-4....Identification Number.....N00325270.....

has been a student in the ..College..of..Integrated..Science..and..Technology.....

Program.....Bachelor of Engineering.....

Major.....Mechatronics Engineering.....

has successfully completed the studies and is awaiting the issue of
official documentation.

Issued on 11 November 2024

Acting Lt.

(Assistant Professor Nuttarut Panananda)
Registrar



Nipon.k
(Officer)

Remarks : The certificate is valid for 60 days from the date of issue.



RAJAMANGALA UNIVERSITY OF TECHNOLOGY LANNA CHIANG MAI

128 Huay Kaew Road Amphoe Muang Chiang Mai 50300 Thailand

OFFICIAL TRANSCRIPT

College of Integrated Science and Technology

Name : Mr. Oudom Thach

Student ID : 62545202005-4

Degree : Bachelor of Engineering

Major : Mechatronics Engineering

Identification Number : N00325270

Date of Birth : 7 December 2000

Date of Admission : 17 June 2019

Date of Graduation : 27 October 2024

CODE	COURSE TITLE	CREDIT	GRADE	CODE	COURSE TITLE	CREDIT	GRADE
	First Semester 2019						
ENGCC501	Design and Drafting	2	A	ENGMC113	PLC and Automation System	2	C
ENGCC506	Introduction to Engineering	2	C	ENGMC304	Industrial Instrumentation	3	C+
ENGCC507	Basic Engineering Skill Training 1	2	C+		Registered Credits 21 Earned Credits 21 GPA. 2.76		
ENGMC101	Project Based Learning of Basic Mechatronics	1	B+	GEBIN103	Second Semester 2021		
GEBLC101	English for Everyday Communication	3	A	ENGMC115	Art of Living	3	A
SCIMA101	Engineering Mathematics 1	3	A	ENGMC117	Mechatronics System and Interfacing	2	F
SCISC101	Fundamentals of Chemistry	3	B+	ENGMC118	Mechatronic Engineering Practice	2	D
SCISC102	Fundamentals of Physics 1	3	B	ENGMC201	Pre-project and Co-op Preparation	2	B+
	Registered Credits 19 Earned Credits 19 GPA. 3.36			ENGMC404	Principles of Engineering Design	3	C
	Second Semester 2019			ENGMC206	Industrial Robotics and Machine Vision	3	F
GEBLC102	English for Life Skills	3	A	ENGMC106	Special Problem in Product Design and Development	3	C+
SCIMA102	Engineering Mathematics 2	3	A		Project Based Learning of Mechatronics 2	2	F
ENGCC502	Principles of Engineering Mechanics	3	C		Registered Credits 20 Earned Credits 13 GPA. 1.72		
ENGCC508	Basic Engineering Skill Training 2	2	B+	ENGMC115	First Semester 2022		
ENGMC108	Electric Circuit and Devices	3	C+		Mechatronics System and Interfacing	2	D
GEBLC201	Arts of Using Thai Language	3	B+		Registered Credits 2 Earned Credits 2 GPA. 1.00		
SCISC103	Fundamentals of Physics 2	3	A	ENGCC505	Second Semester 2022		
ENGMC102	Project Based Learning of Mechanism Design	1	C	ENGMC106	Thermal Engineering	3	D+
	Registered Credits 21 Earned Credits 21 GPA. 3.28			ENGMC111	Project Based Learning of Mechatronics 2	2	C+
	First Semester 2020			ENGMC116	Microcontroller and Interfacing	2	F
GEBLC103	Academic English	3	A	ENGMC404	Industrial Robotics and Machine Vision	3	C+
GEBHT101	Activities for Health	3	A	ENGMC407	Special Problem in Automation Manufacturing System	3	A
SCIMA103	Engineering Mathematics 3	3	B		Registered Credits 15 Earned Credits 13 GPA. 2.06		
ENGCC503	Structures, Properties and Selection of Materials	3	A	ENGMC111	Summer Semester 2022		
ENGCC504	Mechanics of Solids	3	W		Microcontroller and Interfacing	2	C
ENGMC103	Project Based Learning of Power Supply System	1	C+		Registered Credits 2 Earned Credits 2 GPA. 2.00		
ENGMC109	Electronics Circuit and Devices	3	D+	ENGMC120	First Semester 2023		
ENGMC112	Sensor and Actuator	2	A		Cooperative Education	6	S
	Registered Credits 18 Earned Credits 18 GPA. 3.33				Registered Credits 6 Earned Credits 6 GPA. 0.00		
	Second Semester 2020				Second Semester 2023		
GEBLC104	English for Professional	3	A	ENGMC121	Mechatronics Engineering Project	3	B+
ENGCC505	Thermal Engineering	3	W		Registered Credits 3 Earned Credits 3 GPA. 3.50		
ENGMC104	Project Based Learning of Basic Control System	1	B+		-----		
GEBIN101	Process of Thinking and Problem Solving	3	B+		All Registered Credits 143 All Earned Credits 134		
ENGMC107	Signal and Systems	3	D+		GPAX 3.00 Total Credits 134		
ENGMC110	Electro-mechanical Devices	3	A				
ENGMC111	Microcontroller and Interfacing	2	W				
ENGMC116	Mechatronics Design	2	W				
ENGCC504	Mechanics of Solids	3	B				
	Registered Credits 16 Earned Credits 16 GPA. 3.21						
	First Semester 2021						
ENGMC114	Modeling and Control Systems	2	C+				
ENGMC119	Fundamentals of Production Engineering	3	C				
GEBIN102	Innovation and Technology	3	A				
GEBSCT101	Mathematics and Statistics in Daily Life	3	B				
GEBSO103	Society, Economy, Politics and Law	3	B+				
ENGMC105	Project Based Learning of Mechatronics 1	2	C		- Participated in English proficiency development activity		

Acting Lt.

(Assistant Professor Nattawut Banananda)

Date issued : 20 December 2024
Not valid without the university seal



Arunk
(Officer)



มหาวิทยาลัยเทคโนโลยีราชมงคลล้านนา เชียงใหม่

128 ถ.ห้วยแก้ว ต.ช้างเผือก อ.เมืองเชียงใหม่ จ.เชียงใหม่ 50300

ใบแสดงผลการศึกษา วิทยาลัยเทคโนโลยีและสาขาวิชาการ

ชื่อ-สกุล : Mr. Oudom Thach

รหัสนักศึกษา : 62545202005-4

วุฒิการศึกษา : วิศวกรรมศาสตรบัณฑิต

สาขาวิชา : วิศวกรรมแมคคาทรอนิกส์

เลขประจำตัวประชาชน : N00325270

วันเดือนปีเกิด : 7 ธันวาคม 2543

วันที่เข้าศึกษา : 17 มิถุนายน 2562

วันที่สำเร็จการศึกษา : 27 ตุลาคม 2567

รหัสวิชา	ชื่อวิชา	หน่วยกิต	เกรด	รหัสวิชา	ชื่อวิชา	หน่วยกิต	เกรด
ENGCC501	ภาคเรียนที่ 1 ปีการศึกษา 2562 การออกแบบและเขียนแบบ	2	ก	ENGMC113	พื้นฐานเชิงคณิตศาสตร์	2	ค
ENGCC506	แนะนำสู่วิชาการ	2	ค	ENGMC304	เครื่องมือวัดคุณภาพกรรม	3	ค+
ENGCC507	การฝึกทักษะพื้นฐานทางวิชาการ 1	2	ค+	ลงทะเบียน 21 หน่วยกิต สอนได้ 21 หน่วยกิต เกรดเฉลี่ย 2.76	ภาคเรียนที่ 2 ปีการศึกษา 2564		
ENGMCI01	การเรียนรู้โดยใช้โครงงานเป็นฐานเรื่องทั่วไปของแมคคาทรอนิกส์	1	ช+	GEBIN103	ศิลปะการใช้ชีวิต	3	ก
GEBLC101	ภาษาอังกฤษเพื่อการเรียนรู้ในชีวิตประจำวัน	3	ก	ENGMC115	ระบบแมคคาทรอนิกส์และการเชื่อมต่อ	2	ค
SCIMA101	คณิตศาสตร์วิศวกรรม 1	3	ก	ENGMC117	ปฏิบัติการวิศวกรรมแมคคาทรอนิกส์	2	ค
SCISC101	หลักมูลของฟิสิกส์ 1	3	ช+	ENGMC118	การเตรียมโครงงานและสหกิจศึกษา	2	ค+
SCISC102	ลงทะเบียน 19 หน่วยกิต สอนได้ 19 หน่วยกิต เกรดเฉลี่ย 3.36 ภาคเรียนที่ 2 ปีการศึกษา 2562	3	ช	ENGMC201	หลักการออกแบบบิชัวร์	3	ค
GEBLC102	ภาษาอังกฤษเพื่อทักษะชีวิต	3	ก	ENGMC404	ทุนยานด์อุดสាទกรรมและมนุษยนองทางเครื่องจักร	3	ค
SCIMA102	คณิตศาสตร์วิศวกรรม 2	3	ก	ENGMC206	บัญชาพิเศษสำหรับการพัฒนาและออกแบบผลิตภัณฑ์	3	ค+
ENGCC502	หลักการของกลศาสตร์วิศวกรรม	3	ค	ENGMC106	การเรียนรู้โดยใช้โครงงานเป็นฐานทางแมคคาทรอนิกส์ 2	2	ค
ENGCC508	การฝึกทักษะพื้นฐานทางวิชาการ 2	2	ช+	ลงทะเบียน 20 หน่วยกิต สอนได้ 13 หน่วยกิต เกรดเฉลี่ย 1.72	ภาคเรียนที่ 1 ปีการศึกษา 2565		
ENGMCI08	จะงานและอุปกรณ์ไฟฟ้า	3	ค+	ENGMC115	ระบบแมคคาทรอนิกส์และการเชื่อมต่อ	2	ค
GEBLC201	ศิลปะการใช้ภาษาไทย	3	ช+	ลงทะเบียน 2 หน่วยกิต สอนได้ 2 หน่วยกิต เกรดเฉลี่ย 1.00	ภาคเรียนที่ 2 ปีการศึกษา 2565		
SCISC103	หลักมูลของฟิสิกส์ 2	3	ก	ENGCC505	วิศวกรรมอุณหภูมิ	3	ค+
ENGMCI02	การเรียนรู้โดยใช้โครงงานเป็นฐานของการออกแบบกลไก	1	ค	ENGMCI06	การเรียนรู้โดยใช้โครงงานเป็นฐานทางแมคคาทรอนิกส์ 2	2	ค+
	ลงทะเบียน 21 หน่วยกิต สอนได้ 21 หน่วยกิต เกรดเฉลี่ย 3.28 ภาคเรียนที่ 1 ปีการศึกษา 2563			ENGMCI111	ไม่โครงคณ์ทางเลือกและการเชื่อมต่อ	2	ค
GEBLC103	ภาษาอังกฤษเชิงวิชาการ	3	ก	ENGMCI116	การออกแบบทางแมคคาทรอนิกส์	2	ค
GEBHT101	กิจกรรมเพื่อสุขภาพ	3	ก	ENGMCI404	ทุนยานด์อุดสាទกรรมและมนุษยนองทางเครื่องจักร	3	ค+
SCIMA103	คณิตศาสตร์วิศวกรรม 3	3	ช	ENGMCI106	บัญชาพิเศษสำหรับการผลิตอัตโนมัติ	3	ก
ENGCC503	โครงสร้าง สมบัติ และการเลือกใช้วัสดุ	3	ก	ลงทะเบียน 15 หน่วยกิต สอนได้ 13 หน่วยกิต เกรดเฉลี่ย 2.06	ภาคเรียน อุตุฯ ปีการศึกษา 2565		
ENGCC504	กลศาสตร์ของเมฆ	3	ค.	ENGMCI111	ไม่โครงคณ์ทางเลือกและการเชื่อมต่อ	2	ค
ENGMCI03	การเรียนรู้โดยใช้โครงงานเป็นฐานของระบบแหล่งจ่ายไฟฟ้า	1	ค+	ENGMCI116	ลงทะเบียน 15 หน่วยกิต สอนได้ 13 หน่วยกิต เกรดเฉลี่ย 2.06		
ENGMCI09	จะงานและอุปกรณ์อิเล็กทรอนิกส์	3	ค+	ENGMCI111	ภาคเรียน อุตุฯ ปีการศึกษา 2565		
ENGMCI112	อุปกรณ์ตรวจสอบและตัวกระตุน	2	ก	ENGMCI120	ไม่โครงคณ์ทางเลือกและการเชื่อมต่อ	2	ค
	ลงทะเบียน 18 หน่วยกิต สอนได้ 18 หน่วยกิต เกรดเฉลี่ย 3.33 ภาคเรียนที่ 2 ปีการศึกษา 2563			ENGMCI120	ลงทะเบียน 2 หน่วยกิต สอนได้ 2 หน่วยกิต เกรดเฉลี่ย 2.00		
GEBLC104	ภาษาอังกฤษสำหรับผู้ประกอบวิชาชีพ	3	ก	ENGMCI121	ภาคเรียนที่ 1 ปีการศึกษา 2566		
ENGCC505	วิศวกรรมอุณหภูมิ	3	ค.		สนับสนุนการศึกษา	6	พ.ร.
ENGMCI04	การเรียนรู้โดยใช้โครงงานเป็นฐานของระบบควบคุมเบื้องต้น	1	ช+		ลงทะเบียน 6 หน่วยกิต สอนได้ 6 หน่วยกิต เกรดเฉลี่ย 0.00		
GEBIN101	กระบวนการคิดและการแก้ปัญหา	3	ช+		ภาคเรียนที่ 2 ปีการศึกษา 2566		
ENGMCI07	สัญญาณและระบบ	3	ค+		โครงงานวิศวกรรมแมคคาทรอนิกส์	3	ค+
ENGMCI110	อุปกรณ์ทางกลไฟฟ้า	3	ก		ลงทะเบียน 3 หน่วยกิต สอนได้ 3 หน่วยกิต เกรดเฉลี่ย 3.50		
ENGMCI111	ไม่โครงคณ์ทางเลือกและการเชื่อมต่อ	2	ค.		-----		
ENGMCI116	การออกแบบทางแมคคาทรอนิกส์	2	ค.		ลงทะเบียนสะสม 143 หน่วยกิต หน่วยกิตสะสม 134 หน่วยกิต		
ENGCC504	กลศาสตร์ของเมฆ	3	ช		เกรดเฉลี่ยสะสม 3.00 หน่วยกิตรวม 134 หน่วยกิต		
	ลงทะเบียน 16 หน่วยกิต สอนได้ 16 หน่วยกิต เกรดเฉลี่ย 3.21 ภาคเรียนที่ 1 ปีการศึกษา 2564						
ENGMCI114	การจำลองและระบบควบคุม	2	ค+				
ENGMCI119	มนตรายาห์วิศวกรรมการผลิต	3	ค				
GEBIN102	น้ำดีการณ์และเทคโนโลยี	3	ก				
GEBSC101	คณิตศาสตร์และสถิติในชีวิตประจำวัน	3	ช				
GEBSO103	สังคม เศรษฐกิจ การเมือง และกฎหมาย	3	ช+				
ENGMCI105	การเรียนรู้โดยใช้โครงงานเป็นฐานทางแมคคาทรอนิกส์ 1	2	ค	- ผ่านการเข้าร่วมกิจกรรมพัฒนาทักษะด้านภาษาอังกฤษ			

ว่าที่ร้อยโท



(ผู้ช่วยศาสตราจารย์ ดร. นพดล ธรรมนนท์)

วันที่ออกใบอนุญาต ๒๗ ตุลาคม ๒๕๖๗
ใบแสดงผลการศึกษาฉบับนี้จะสูญเสีย 효 lựcเมื่อผู้รับได้รับทราบถูกต้อง

(เจ้าหน้าที่)

ក្រសួងអប់រំ យុទ្ធសាស្ត្រ និងកីឡា
នាយកដ្ឋានគមន៍បច្ចេកវិទ្យាល័យ
លេខ ១៣ ៦៦៩ / ១៨ ភ្នំពេញ.

ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ

ពិនិត្យបញ្ជាក់សាធារណការប្រឡង បញ្ហាក់ថា :



Photo: 1211010101921912010101921912100004.JPG

ឈ្មោះ

ថាម ឧន្ទិត

ភេទ : ប្រុស

កើតឆ្នាំថ្ងៃខែឆ្នាំ : ០៧ ធ្នូ ២០០០ នៅ ភាគន៍ភ្នំពេញ

ឱកាសឈ្មោះ : លេង បុនបាន អាមេរិកឈ្មោះ : ខែ សុសាន

ជាសាស្ត្របច្ចេកវិទ្យាល័យពិនិត្យបញ្ជាក់សាធារណការប្រឡង

ថ្ងៃកំណើនសាធារណការប្រឡង

សម្រាប់ប្រឡង : ២០ សីហា ២០១៨ នៅមណ្ឌល : ពិ. នាសបន ជ្រាវេជ័យ

លេខបន្ទប់ : 12 លេខភូ : 291 គិត្យលិខិត្តសុខុមាភ : D លំបាច់គិត្យសុខុមាភ : 88.199

ឯកសារពិនិត្យបញ្ជាក់សាធារណការប្រឡង

រាសារទេស

B

គណនីក្រោម E ជំនួយ D គិត្យក្រោម

គិត្យក្រោម

E

អក្សរសាស្ត្រខ្មែរ D ប្រភិត្តិក្រោម B របិបក្រោម

របិបក្រោម

C

វិញ្ញាបនបត្រនេះ បានចេញផ្សាយនៅថ្ងៃខែឆ្នាំដែលបានបង្កើតឡើង

ថ្ងៃសុក្រ ៥កើត ខែក្រុងក្រោម ឆ្នាំ២០១៨ នៅមណ្ឌល ជ្រាវេជ័យ

កម្មការន៍ក្រុងក្រោមថ្ងៃខែឆ្នាំដែលបានបង្កើតឡើង



អ្នក លោក

សម្រាប់

A ឯកសារពិនិត្យបញ្ជាក់សាធារណការប្រឡង

D ឯកសារពិនិត្យបញ្ជាក់សាធារណការប្រឡង

ឯកសារពិនិត្យបញ្ជាក់សាធារណការប្រឡង

ឯកសារពិនិត្យបញ្ជាក់សាធារណការប្រឡង

ការិយាល័យប្រចាំខែមីនា

និងការិយាល័យប្រចាំខែកញ្ញា

09/201003000112000012201 (1409/2018 3:36:23 PM)

12010101921912100004

Test Report Form

ACADEMIC

NOTE Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.

GENERAL TRAINING Reading and Writing Modules are **not** designed to test the full range of language skills required for academic purposes.
It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed **after two years** from the date of the test.

To find out more about IELTS, IELTS band scores and the CEFR levels, please visit ielts.org/scores

Centre Number

TH056

Date

07/DEC/2024

Candidate Number

501249

Candidate Details

Family Name

THACH

First Name(s)

OUDOM

Candidate ID

N00325270



Date of Birth

07/12/2000

Sex (M/F)

M

Scheme Code

Private Candidate

Country or
Region of Origin

(Leave blank)

Country of
Nationality

CAMBODIA

First Language

KHMER

Test Results

Listening

7.5

Reading

6.5

Writing

7.0

Speaking

8.5

Overall
Band
Score

7.5

CEFR
Level

C1

Administrator Comments

(Large empty box for administrator comments)

Recognising
organisations must
verify this score at
ielts.org/verify

Validation stamp



Date

09/12/2024

Test Report
Form Number

24TH501249THAO056A



CAMBRIDGE
English

Certificate No. HOEI..04730



A Place Where People Care

Licensed by Ministry of Education
Youth and Sports

Home of English International

hereby certifies that:

MASTER OUDOM THACH

has successfully graduated from

Grade VIII

Home of English Program

and has been awarded a

*** Merit Pass ***

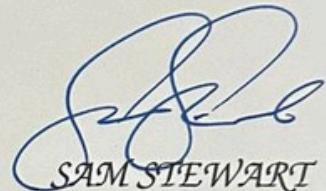


*Given in Phnom Penh Cambodia
On September 29th, 2015*




KANCHANA

School Director


SAM STEWART

Director of Studies

The Keystone School

Bloomsburg,



Pennsylvania.

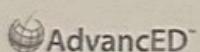
This Certifies That

Oudom Thach

Has successfully completed the course of study in accordance with the requirements of the Pennsylvania State Board of Private Licensed Schools and is therefore awarded this

Diploma

on the Twentieth Day of March 2019



Erica Rhone

Erica Rhone, Head of School

Angela M. Stuart

Angela M. Stuart, Deputy Head of School



Candidates for Thai Royal Scholarship
to Continue Higher Education in Thailand (Bachelor Degree)

Rajamangala University of Technology Lanna (RMUTL)

Successful Candidates

No.	ID Code [Ref. No.]	Name	Gender	Date of Birth	Program
1	1040 [277/Social]	Than Sovandy	M	31.07.1997	International Business Management (IBM)
2	1681 [416/Science]	Thach Oudom	M	07.12.2000	Mechatronics Engineering
3	1269 [667/Science]	Pet Kongeng	M	24.06.2000	Mining Engineering

Total: Three (3) candidates.

Please immediately contact to Department of Culture Relations and Scholarships of the Ministry of Education, Youth and Sports.

ພລເຕອກ

(Gen. Vichit Yathip)

Chief of Administrative Committee of
Her Royal Highness Princess
Maha Chakri Sirindhorn Education Project

January 28, 2019.



Dr. HANG CHUON NARON

Minister

Ministry of Education, Youth and sport

January 28, 2019.



Rajamangala University of Technology Isan Surin Campus
Certificate of Completion

This is to acknowledge that

Oudom Thach

Has completed

A Training Course on: Thai Language Preparation

Held between 18 March to 30 May, 2019

at Rajamangala University of Technology Isan Surin Campus

A blue ink signature in cursive script, appearing to read 'JM'.

(Assistant Professor Dr. Samnang Saowakoon)

Vice – President for Surin Campus



Rajamangala University of Technology Lanna

This is to certify that

Mr. Oudom Thach

has participated in "English Proficiency Test"

RMUTL English Skill Competition 2019

28th August, 2019

Sirilak

Asst.Prof. Sirilak Infang

Head of RMUTL Language Center



Certificate of Completion

Presented to

Oudom Thach

for completing a 30-hour full session in the
Developing Speaking Skills and Critical Thinking Ability Using Ideation Discussion Activities
in Design Thinking Course

4 Oct - 27 Dec 2020

Teerasak Urajananon

Assoc. Prof. Dr. Teerasak Urajananon
Vice President for Academic and Students Affairs
Rajamangala University of Technology Lanna



Certificate of Participation

Presented to

Oudom Thach

Rajamangala University of Technology Lanna

**for participating in the
Youth Model ASEAN Conference (YMAC)
31 Oct- 23 Dec 2020**

A handwritten signature in black ink, appearing to read 'Mei Fong'.

Looi Mei Fong
Chairperson
Inter-Poly IS Integration Work Group

A handwritten signature in black ink, appearing to read 'Melissa Ong'.

Melissa Ong
Chairperson
YMAC 2020 Organising Committee

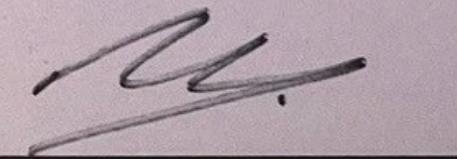
CERTIFICATE OF ATTENDANCE

This certificate is awarded to

OUDOM THACH

for participation in the

**Singapore From Your Home
- Understanding Cross-Cultural Diversity -**
programme conducted virtually by Singapore
Polytechnic from 22 December 2020 to
5 February 2021



Wee Eng Soon
Manager
Singapore Polytechnic International

CERTIFICATE

OF ACHIEVEMENT

BEST POPULAR awarded to

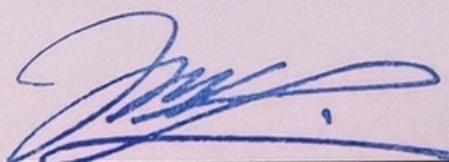
Oudom Thach

Mechatronics Engineering, Rajamangala University of Technology Lanna

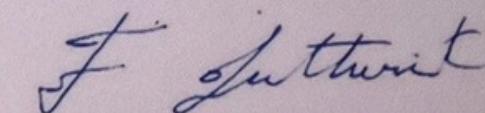
For your outstanding performance in the session Design Thinking x Slow Movement- Make Life Better Workshop during 20th November to 12th December, 2021 via virtual meeting.

With the excellent engagement of completing the 81 hours courses.

Hereby awarded this Best Popular certificate of distinction.



Dr. Tsong-Ming Lin
President of Nanhua University



Asst. Prof. Jutturit Thongpron
Acting President of Rajamangala University
of Technology Lanna

Organizing Partners



Design Thinking x Slow Movement- Make Life Better

Scholarship Award

Rajamangala University of Technology Lanna



Plai-ngam Kotchaprom
International Business Management
Senior
Thailand



Oudom Thach
Mechatronic Engineering
Junior
Cambodia



Praephan Chaisaowwong
International Business Management
Sophomore
Thailand



Nichavee Dee-in
Accounting
Freshman
Thailand



Nan Hlaingkham
English for International
Communication Senior
Myanmar



Nanthus University



Yi-Huei Chen
Department of International Affairs
and Business Junior
Taiwan



Yu-Yen Lai
Bachelor Program of
International Business Freshman
Taiwan



Hourng Sopheakanil
International Business, College of
Management Sophomore
Cambodia



Minh-Hien Nguyen
Department of Tourism
Management Senior
Vietnam



Peng-Cheang Hean
International Business Program
Sophomore
Cambodia

Certificate of Participation

GERTIFICATE

OF PARTICIPATION

This certifies that

Oudom Thach

has participated in the
Youth Model ASEAN Conference 2022



A handwritten signature in black ink, appearing to read 'Farhana' or 'Fawzia'.

FARHANA DAWOOD

Chair, YMAC 2022

A handwritten signature in black ink, appearing to read 'Looi' or 'Mei Fong'.

LOOI MEI FONG

Deputy Principal, Ngee Ann
Polytechnic
Chair, Joint Polytechnic
Integration Work Group



Course Outline

- The Usage of Multimeter
- Industrial Electrical Equipment
- The Structure, How Circuit Breaker works and how to connect Circuit Breaker
- The Structure, How Magnetic & Overload works and how to connect Magnetic & Overload
- The Control of AC Motor
- The Working Principle of Switching Power Supply
- The Structure, How Relay works and how to connect Relay.
- The Control of DC Motor with Relay
- How Timer works, and how to connect it with Parameter setting
- How Counter works, and how to connect it with Parameter setting
- Industrial Sensor and Applications

ข้อมูลวุฒิบัตรนี้ไว้เพื่อแสดงว่า

นายอุดม กาชา

ผ่านการอบรมหลักสูตร

Basic Electrical Circuit with AC Current and DC Current.

ในวันที่ 5 - 6 เดือน สิงหาคม พ.ศ. 2566

Nimith.

นิมิต แก้วกิ่ง

Master Trainer

บริษัท ไทยแอดวานซ์เรียนเตอร์ จำกัด

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS AWARDED TO

Oudom Thach

for the completion in the Online Fun Bahasa Indonesia and Cultural Course (FBICC) 2024 - Batch V
hosted by Institut Teknologi Sepuluh Nopember (ITS) Surabaya, Indonesia
on 5 November 2024 - 18 December 2024

ASSESSMENT

*ITS grading system

86 - 100 = A	Attendance	(30%) = 92
76 - 85 = AB	Class Performance	(20%) = 100
66 - 75 = B	Tasks	(20%) = 93
61 - 65 = BC	Test	(30%) = 96
56 - 60 = C		
41 - 55 = D	Total	= 95
0 - 40 = E		



DE001710190438

DATA ENGINEER

This confirms that Oudom Thach has been certified as a
Data Engineer by DataCamp.

Certified on July 30, 2025



A handwritten signature in black ink that reads "Jonathan Cornelissen".

Jonathan Cornelissen, CEO

AEDS0015347428447

AI ENGINEER FOR DATA SCIENTISTS ASSOCIATE

This confirms that **Oudom Thach** has been certified as an
AI Engineer for Data Scientists Associate by DataCamp.

Certified on July 25, 2025



A handwritten signature in black ink, appearing to read "Jonathan Cornelissen".

Jonathan Cornelissen, CEO

DSA0019262694335

ASSOCIATE DATA SCIENTIST

This confirms that **Oudom Thach** has been certified as an
Associate Data Scientist by DataCamp.

Certified on August 20, 2025



A handwritten signature in black ink, appearing to read "Jonathan Cornelissen".

Jonathan Cornelissen, CEO

AIFO026724790779

FUNDAMENTALS CERTIFICATION

AI FUNDAMENTALS

This confirms that **Oudom Thach** has been certified in AI Fundamentals by DataCamp

Certified on January 29, 2025



A handwritten signature in black ink, appearing to read "Jonathan Cornelissen".

Jonathan Cornelissen, CEO

DL0039898338087

FUNDAMENTALS CERTIFICATION

DATA LITERACY

This confirms that **Oudom Thach** has been certified in Data Literacy by DataCamp

Certified on January 29, 2025



A handwritten signature in black ink, appearing to read "Jonathan Cornelissen".

Jonathan Cornelissen, CEO



STATEMENT OF ACCOMPLISHMENT

#577,171

HAS BEEN AWARDED TO
Oudom Thach

FOR SUCCESSFULLY COMPLETING
Associate Python Developer

LENGTH

30 HR

COMPLETED ON

JAN 23, 2025



Jonathan Cornelissen
CEO, DataCamp



STATEMENT OF ACCOMPLISHMENT

#589,135

HAS BEEN AWARDED TO
Oudom Thach

FOR SUCCESSFULLY COMPLETING
Python Developer

LENGTH

27 HR

COMPLETED ON

FEB 18, 2025



Jonathan Cornelissen
CEO, DataCamp





STATEMENT OF ACCOMPLISHMENT

#670,763

HAS BEEN AWARDED TO
Oudom Thach

FOR SUCCESSFULLY COMPLETING
Data Scientist in Python

LENGTH

26 HR

COMPLETED ON

JUL 23, 2025



Jonathan Cornelissen
CEO, DataCamp

