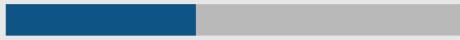# Theara SENG

Lecturer

- 03 September 1996
- Cambodia
- 098 240 840
- t.seng@aupp.edu.kh

Programming Skills

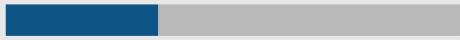MATLAB

C++

Python

Skills
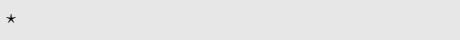
CAD Design

ROS1 & ROS2

Circuit Design (Kicad)

STM32, Arduino, ESP32, 8051

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Language

French

English

Khmer

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Education

2012-2015	High School	Cambodia
	10 January 1979 High School	
2015-2020	Bachelor (Electronics and Automation)	Cambodia
	Institute of Technology of Cambodia (ITC)	
2021-2022	Master MARS (Mobile, Autonomous, and Robotic Systems)	France
	Grenoble INP-ENSE3	

Working Experiences

2018-2019	Ministry of Public Works and Transport	Software Simulator
	Traffic Solving in Phnom Penh City	
2019-2020	Sabaicode	Mentor
	Teaching Electronics and Robotics	
2020-2021	Institute of Technology of Cambodia	Assistance Lecturer
	Sensor Fusion of a Mobile Robot In Agriculture	
2020-2021	Cushybots	Programming and Electronics
	Mobile Robot to remove the Land Mine	
2021-2022	Visual Behavior	Robotics Engineer
	Navigation of a Mobile base on the depth Camera	
2022-2024	Institute of Technology of Cambodia	Lecturer
	Teaching various Subject related to Robotics and Embedded System	
2024-2025	American University of Phnom Penh	Lecturer
	Teaching Robotics and IOTs	

Achievements

2012	3rd Place Physic Outstanding Student Grade 9
2015	3rd Place Physic Outstanding Student Grade12
2018	1st Place Lego Mindstorm Competition for the Exchange Program with Japan Universities
2018	1st Place of the 5th Cambodia Robocon Competition
2018	3rd Place of Asia Pacific Robocon Contest 2018
2019	3rd Place of the Robotics Underwater Competition
2023	1st Place of the MRC competition (Rainfall) at Vientiane, Loas.

Experiences

2017	Autonomous Mobile Robot with Four-Wheels with a French Volunteer (Ecole Central de Paris)
2018	Two Mobile Robot to Participate in the ABU Robocon 2018 in Vietnam
2019	Autonomous Four-Legged Robot to Participate in the National Robotics Competition in Cambodia
2020	Navigation of an Autonomous Robot Based on Robot Operating System (ROS)
2021	Mobile Robot (using ROS) to Remove the Landmind from the Landmine field in Siem Reap Province
2022	Depth Estimation and Navigation of the Mobile Robot based on Realsense Camera
2023	Develop Navigation Package on ROS2 using A* Algorithm and P Controller for Turtlebot3
2023	Leading students to work on two autonomous mobile robot for the ABU Robocon
2024	Exploring navigation of the Turtlebot3 based on Rapberry pi 5
2025	Leading students to work on autonomous Car (Depth Estimation for wall following and Yolo for the color detection) to participate in the World Robot Olympiad

Reference

Dr. Am Sok Chea : Dyputy Head the Department of Electrical Engineering
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