



Theara SENG

Lecturer



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Cambodia



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About me

I graduated from the Faculty of Electrical and Energy Engineering specializing in Electronics and Automation. I spent one year research on the Autonomous mobile Robot based on ROS. Then, I continued my Master Degree in France majoring in Mobile, Autonomous, and Robotics System. Nowadays, I work as a stagiaire in Institute of Technology of Cambodia

Programming Skills

Assembly Language

Python

C++

Languages

French

English

Khmer

Education

2022-2023	Lecturer Institute of Technology of Cambodia (ITC)	Cambodia
2021-2022	Master MARS (Mobile, Autonomous, and Robotic Systems) Grenoble INP-ENSE3	France
2020-2021	Research Assistant (Autonomous Mobile Robot) Institute of Technology of Cambodia (ITC)	Cambodia
2015-2020	Bachelor (Electronics and Automation) Institute of Technology of Cambodia (ITC)	Cambodia
2012-2015	High School 10 January 1979 High School	Cambodia
2009-2012	Secondary School Spean Tnot Secondary School	Cambodia
2003-2009	Primary School Spean Tnot Primary School	Cambodia

Training Skills

2014	Intensive English for Academic purposes at Pannasastra Institute of Foreign Language
2017	Scratch and HTML with Korean Volunteers
2017	Four-wheels Robots Control with a French Volunteer
2018	Arduino and Electronic at Arrowdot
2019	Cisco and C++ Programming at IT STEP Cambodia
2020	Assembly Language and 8-bit 8051 at ITC
2022	Autonomous Drone and Mobile Robot at Visual Behavior, France

Achievements

2012	3 rd Place Physic Outstanding Student Grade 9
2015	3 rd Place Physic Outstanding Student Grade 12
2018	1 st Place Lego Mindstorm Competition for the Exchange Program with Japan Universities
2018	1 st Place of the 5 th Cambodia Robocon Competition
2018	3 rd Place of Asia Pacific Robocon Contest 2018
2019	3 rd Place of the Robotics Underwater Competition
2023	1 st Place of the MRC competition (Rainfall) at Vientiane, Laos.

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
2019	Mentor of High School Student Making Underwater Robot to Participate the STEM Robotics Competition
2020	Navigation of an Autonomous Robot Based on Robot Operating System (ROS)
2021	GPS Waypoints with ROS, to create Trajectory of the Robot in the Agriculture
2021	Mobile Robot (using ROS) to Remove the Landmine from the Landmine field in Siem Reap Province
2022	Using Reinforcement Learning and Active-SLAM for the Trajectory Planning of a Mobile Robot in the New Environment
2022	Autonomous Drone using MPC with an Airsim Simulation
2022	Depth Estimation and Navigation of the Mobile Robot using Camera

Reference

Dr. CHRIN Phok:	Head of Department of Electrical and Energy Engineering phok.chrin@itc.edu.kh
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