



YONRITH PHAYUTH

Research Student
Dynamics and Control Lab, ITC

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Languages

- ★ Khmer
- ★ English
- ★ French

Skill

- Mechanical Design | Modeling
- SOLIDWORK | AutoCAD
- System and Control
- Estimation
- Robotic Operating System (ROS)
- Embedded Systems | Arduino
- Programming
- MATLAB/SIMULINK | Python
- Microsoft Office

Interest

- Autonomous Vehicle | Robotic
- DIY Projects
- Reading | Documentary | Video Game

Reference

- DR.SRANG SAROT
 srangsarot@itc.edu.kh
- MR.VAN DARO
 daro@itc.edu.kh

Experience

- Jul 2020 – Ongoing **Research Student** Dynamics and Control Laboratory, ITC
Path Planning and Control of Wheeled Mobile Robot with Occupancy Grid Map
- Feb – Jul 2020 **Internship** Dynamics and Control Laboratory, ITC
Simultaneous Localization and Mapping Using LIDAR
- 2nd – 6th Dec 2019 **Training** TOTAL Professors Associate and TOTAL Cambodia
Future of Automotive and Fuels for a Sustainable Development
- Oct 2019 **Training** SMC Pneumatic Cambodia
Pneumatic System
- Jul – Sep 2018 **Internship** B.Brilliant Builder CO.,Ltd
MEP Technician Assistant

Education

- 2020 – 2021 **Master's Degree (Pass with Condition)** Institute of Technology of Cambodia
Mechatronics, Information and Communication Engineering
Thesis : Path Planning and Control of Wheeled Mobile Robot with Occupancy Grid Map
- 2017 – 2020 **Engineering's Degree** Institute of Technology of Cambodia
Industrial and Mechanical Engineering (Option : Mechanics)
Thesis : Simultaneous Localization and Mapping Using LIDAR
- 2015 – 2017 **Foundation Year** Institute of Technology of Cambodia
Foundation Year of Engineering

Language

- 2019 **ACE Diploma** Australian Centre for Education Cambodia
ACE Academic Vocabulary Course
- 2015 – 2019 **General English Program** Australian Centre for Education Cambodia
- 2015 – 2019 **French Course** Institute French Cambodia

Publications

- 2021 **(Accepted) Mobile Robot Localization using Extended Kalman Filter with Kinematic Model**
Phayuth Yonrith, Sarot Srang, Morokot Sakal, Boreth Sethy
Techno-Science Research Journal
- 2021 **Indoor Localization for a Differential Drive Wheeled Mobile Robot using Sensor Fusion by Extended Kalman Filter**
Phayuth Yonrith, Sarot Srang, Morokot Sakal, Boreth Sethy
Techno-Science Research Journal
The 10th Scientific Day of ITC Proceeding