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(a) Education

Institute of Technology of Cambodia	Industrial and Mechanical Eng.	B. Eng. 2019
Institute of Technology of Cambodia	Industrial and Mechanical Eng.	M. Eng. 2020

(b) Appointments

Institute of Technology of Cambodia, Phnom Penh

Full Time Researcher	Research and Innovation Center.	2020 – 2021
Graduate Student	Industrial and Mechanical Eng.	2019 – 2020
Research Student	Dynamics and Control Laboratory	2017 – 2020
Engineering Student	Industrial and Mechanical Eng.	2016 – 2019

(c) Experience

1. 2019 - Present-- Researching on Flight Controller and Structural Design for Fixed-Wing UAV at Dynamics and Control Laboratory, ITC.
2. February - July 2019--Short-term research on Kinematics and Trajectory Generation for Quadruped Robot at Dynamics and Control Laboratory, ITC.
3. November 2017 - October 2018--Short-term research on 4 Degree of Freedoms Robot Arm at Dynamics and Control Laboratory, ITC.
4. July - September, 2017--MEP Technician at Lotus Green Team Co., Ltd.

(d) Research Experiences

1. 4 Degree of Freedoms Robot Arm.
2. Kinematics and Trajectory Generation for Quadruped Robot.
3. Flight Controller and Structural Design for Fixed-Wing UAV.

(e) Practical Work Experiences

1. Designing Manual and Autopilot Flight controller of Fixed-Wing Using MATLAB & SIMULINK using PIXHAWK PX4 as microcontroller.
2. Designing structure of the Fixed-Wing UAV using MATLAB Aircraft Intuitive Design and SOLIDWORK CAD.
3. Designing Quadruped Robot Using SOLIDWORK CAD and Generating trajectory of the legs using MATLAB & SIMULINK.
4. Programing 4 Degree of Freedoms Robot Arm using MATLAB with Arduino as microcontroller.

(f) Publications and Conferences

1. (Accepted) Vanyi Chao, Sarot Srang, Morokot Sakal, Chivorn Keo, “Helipad Detection for UAV based on YOLOv4 Transfer Learning Model” Techno-Science Research Journal, 2021.
2. (Accepted) C. Keo and S. Srang, “Modeling and Simulation at the Equilibrium of Fixed-Wing Unmanned Aerial Vehicle,” Techno-Science Research Journal, 2020, Cambodia.

(g) References

1. Dr. Sarot SRANG, Head research unit of Mechatronics and Information Technology, Institute of Technology of Cambodia.
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2. Mr. Daro VAN, Institute of Technology of Cambodia.
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