

## Offer letter to Ly Vien Minh Khoi (Student ID: 103844366)

HOST ORGANISATION DETAILS			
Name	Saigon Electric Company Limited	ABN	
Profile (main business, website, address)	Main business: SGE has been providing the utility electric power system consultant, design, engineering, construction, operation and maintenance.  Address: 171 To Hien Thanh Street, ward 13, District 10, HCMC  website: saigon-electric.com		
POSITION DETAILS			
Position title	Solution Engineer	Intern reports to (name and title)	Mr. Le Hanh Hau
Duration (start and end date)	07/10/2024 – 07/04/2025	Days per week	3
Work arrangement	<input type="checkbox"/> on-site <input checked="" type="checkbox"/> remote/working from home <input type="checkbox"/> hybrid		

<b>Job scope</b> <i>(being as detailed as possible)</i>	<p>The company is currently researching the application of automation and digitalization in power systems. It can be said that Vietnam's power system in general needs integration, leading to the emergence of a new profession called Electric Power System Integrator (EPSI).</p> <p>The energy monitoring system is a small part of EPSI. This is a project that the company's engineers are working on. The work consists of two main parts:</p> <ol style="list-style-type: none"> <li>1. Hardware: The team at the company has completed this according to the model.</li> <li>2. Software: Developing the EMS software, including:             <ol style="list-style-type: none"> <li>2.1 Designing the user interface and connecting it with the hardware to read data, using Modbus RTU as the connection protocol</li> <li>2.2 Displaying meter parameters on the user interface. These parameters include: Current (A), line voltage (V), phase voltage (V), power factor (cos phi), active power, reactive power, and apparent power. Display the parameters in chart formats like meters, graphs, etc.</li> <li>2.3 Backing up the data into a log and generating reports as per user requirements.</li> <li>2.4 Optimization: Automatically calculating and comparing with standard settings to provide recommendations to users.</li> </ol> </li> </ol> <p>You will be assigned with all of task 2 with the following timeline:</p> <ol style="list-style-type: none"> <li>2.1 30 days.</li> <li>2.2 30 days.</li> <li>2.3 60 days.</li> <li>2.4 60 days.</li> </ol> <p>You can choose and propose the programming language for the task.</p>		
<b>Host supervisor/manager</b>			
<b>Name</b>	Mr. Truong Minh Rang	<b>Title</b>	General Director
<b>Signature</b>		<b>Date</b>	

**Swinburne Professional experience in engineering (EAT20008)** is a mandatory unit relevant to Swinburne Bachelor of Engineering Course. It requires students to accumulate minimum 12 weeks full time equivalent (or 480 h) approved professional experience activity normally outside the university and in a professional engineering organization. The activities can be full time, part time, or casual; commencement and completion date can be any time of the year; duration can be shorter or longer than 12 weeks full time equivalent which are negotiated between host organisation and student.