

SUHAIL.M.P.M

Electrical & Electronic Engineer BSC. (HONS), AMIE(SL)

ECSL Number: 209045

IESL Number: AM-22404

WORK EXPERIENCES

Demonstrator *From September 2020 to present*

Trincomalee Campus, Eastern University of Srilanka

Job Description

- Provide assist in regard of lecture.
- Demonstrate use of practical equipment, conduct experiments, exercises, workshops and/or processes and to answer questions related to those demonstrations.
- Where required, provide feedback on student performance and any issues arising in the course of the demonstration.
- Where required, to ensure that equipment is functional and/or material for demonstrations, exercises is prepared before the start of the session.
- Assist/give guidance, where required, to students who are carrying out practical exercises.

Instructor *From Jan 2016 to Jun 2016 & From Feb 2020 to Jul 2020*

University of Peradeniya, Faculty of Engineering

Job Description

- Deliver and asses tutorials and course works.
- Evaluate written assessments.
- Assist student's research activities, including final year undergraduate students.
- Design, prepare and develop lab practical for undergraduate students.
- Provide feedback to students that will enhance their academic growth.
- Monitor and report student attendance.

Property Supervisor (Electrical and Electronic Engineer) *From 2016 to 2020*

Waseef Property and Asset Managements (Qatar)

Waseef, a subsidiary of Barwa Real Estate (Qatar Government Company), is one of the largest fully integrated Assets, Property and Facility Management Services company in Qatar, that offer full-service solution to its client.

Job Description

- Review installation manuals, building plans and work orders to plan optimal locations for system components and wiring.
- Planning and Undertaking scheduled maintenance.
- Responding to breakdowns.
- Diagnosing faults.
- Supervising engineering and technical staff.
- Obtaining specialist components, fixtures or fitting.
- Ensuring compliance with health and safety legislations.
- Creating Maintenance procedures.
- Managing stocks of supplies and equipment.



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ABOUT ME

I am an energetic, ambitious person who has developed a mature and responsible approach to any task that I undertake, or situation that I am presented with. As a graduate with 4 years of experience in engineering and management, I am excellent in working with others to achieve a certain objective on time and with excellence

SKILLS

Management skills

Microsoft Office Packages

Proteus

MATLAB

Python

Python Libraries such as

- Pandas
- Numpy
- Scikit-learn

For data analysis purposes

Language Skills

English

Good

Sinhala

Good

Tamil

Good

Engineering Trainee

From 2014 to 2015

Srilanka Telecom PLC

Along this period, it was able to familiarize with MSAN and functions of Soft Switches, various types of ACs used in Soft Switch rooms and their applications, control mechanisms, ADSL trouble shooting, Radio access systems, Telecommunication, Data communication networks and CDMA systems.

Engineering Trainee

From 2013 to 2014

Ceylon Electricity Board

Along this period, it was able to familiarize with Transformer installation and functions of Auto Recloser, various types of protection equipment used in transmission lines and their applications, controlling system of the power grid station, Billing systems of normal and bulk supply customers, transformer load testing and fault analysis of transformers and insulators.

EDUCATIONS

Masters in Energy Management - Following

Open University of Srilanka (A UGC approved SLQF level 9 master Degree)

The study program is about how to deal with issues related to energy policies and management with a sound knowledge on new technologies in view of contribution to energy conversation by eliminating losses and optimally utilizing the energy sources with utmost consideration paid to the environment.

BSc. Engineering (Hons) Electrical & Electronic Engineering

University of Peradeniya – Faculty of Engineering.

Grade : 2nd class (Upper Division)

GPA : 3.4

Secondary Education – T/R.K.M Sri Koneswara Hindu College Trincomalee

ABB result in GCE A/L where A for physics with Z-score 2.02, District Rank 5 and 9A in GCE O/L with C in English literature.

UNDERGRADUATE PROJECTS

Improved DC-Link for inverters (Phase-II).

In this project, The DC-Link capacitor voltage stress reduced up to 10% and also the THD value of the input current of the AC to DC converter was reduced to significant amount. Here Push pull converters, MOSFET voltage compensator, PI controller and power electronics controllers were used to achieve that objectives.

Improved DC-Link for inverters (Phase-I).

The main objective of this project was reduce the voltage ripple in the DC-Link and decreased the capacitance of the DC-Link capacitor for required output voltage ripple. By used of Power electronic controllers and compensator the ripple voltage was reduced up to 1% and considerable amount of capacitance reduction in the DC-Link capacitor for 100kW load.

REFEREES

Dr.K.R.M.N. Ratnayake

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Dr.Ruwan Ranaweera

Senior Lecturer

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