

THE STAR, THURSDAY 21 SEPTEMBER 2023

Grooming competent electrical engineers

IN this era of rapid modernisation, technology and electricity are closely connected since they complement each other to function well.

Electrical engineers are at the forefront of devising advanced technologies that facilitate the production, transmission, and distribution of power.

Their mastery of science and mathematics has been applied to tackle problems like energy efficiency, environmental pollution, and integration, contributing to society's lives of fulfilment.

Without appropriate electrical engineering education and a local workforce with electrical engineering competency, a country will suffer from the deprivation of technological revolutions and become dependent on outsourcing technical projects to other nations.

The Universiti Kuala Lumpur British Malaysian Institute (UniKL BMI) strives to produce more world-class entrepreneurial and technopreneurs in electrical, electronics, telecommunication, and medical electronics engineering technologies.

This institution provides graduates with fundamental knowledge, skills, and attitudes, thanks to the curriculum embedded with professional certification, real industry operating on campus, and facilities recognised by the Energy Commission and SEDA Malaysia.

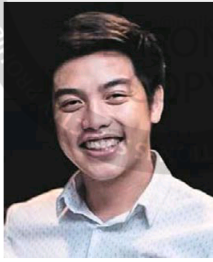
UniKL BMI offers two diploma programmes: the Diploma of Electrical and Electronics Engineering Technology and the Diploma of Electrical Engineering Technology (Telecommunication) that were designed especially for Sijil Pelajaran Malaysia graduates with at least a credit in mathematics and any science or technical subjects.

Through the first programme, students gain in-depth knowledge of electrical and electronic engineering innovations, such as telecommunications, medical technology, and robotics.

The Electrical Engineering Technology (Telecommunication) programme trains students to encode, compress, and encrypt all information in digital and wireless networks and communication.

UniKL BMI also offered six bachelor's degree programmes in Electrical Engineering, Electrical Engineering Technology, Electronic Engineering Technology, Electronic Engineering Technology (Medical Electronics), Telecommunication Engineering Technology, and Electrical Engineering Technology (Sustainable Energy).

A combination of theoretical



Khairul Fahmi attributes his success to UniKL BMI's degree programme.

and practical learning modes allows students to diagnose and design optimum solutions for engineering problems with the ability to consider public health, safety, societal issues, and ecological variables.

The Electrical Engineering Technology programme integrates hands-on theory and applications of electrical circuits, industrial control, instrumentation, renewable energy, power generation, transmission, and system construction.

Besides, the Medical Electronic programme featured a fascinating fusion of engineering concepts, medical knowledge, hospital management, and practical laboratory lessons under the supervision of experienced lecturers.

The hands-on practicals of Radibems-UniKL BMI Teaching Factory were trained directly by industrial experts exposing students to the skills of maintaining, troubleshooting, and repairing medical imaging devices such as ultrasound machines.

This experience will benefit them in pursuing career goals in medical device manufacturers.

The main objective of UniKL BMI's diploma and bachelor's degree programmes is to produce educated, trained, qualified, and innovative leaders for the advancement of electrical, electronic and engineering technology.

UniKL BMI's contributions have elevated Malaysia among the technologically competitive countries such as Germany, Australia, and Canada.

With the establishment of the Sustainable Living Lab at UniKL BMI, Malaysia has been honoured as an internationally prominent party through the implementation of zero-energy building plans.

The utilisation of a passive

energy-efficient design in this project minimises the energy consumption of the building by 51%, allowing it to generate twice as much energy as it consumes by leveraging renewable energy sources.

Owing to the high demand for Internet of Things, cloud computing, and artificial intelligence in the current job market, UniKL BMI offers certifications of Huawei Certified ICT Associate (HCIA) and Cisco Certified Network Academic Certificates to their students upon graduation. Networking (Installer, Field and Network Technician, Network and Security Engineer), fibre optics (Installer Technician, Supervisor, Assistant Engineer, Maintenance), cyber security, and banking are among the promising careers that await graduates.

This is supported by the IPTS Graduate Employability Ranking by the Malaysia Ministry of Higher Education, which ranks UniKL campuses among the top 30 IPTS for graduate employability in 2022.

With a 97.2% graduation employability rate, most UniKL BMI students stand higher chances of securing a job as soon as they graduate.

Diving into the career trajectory of a UniKL BMI alumni, Khairul Fahmi Khushairi, 31, earned his Bachelor of Engineering with Honour (Electrical) in 2016.

After graduating, Khairul Fahmi continued to spread his wings and soar higher, working for Perunding KMN Sdn Bhd as a mechanical and electrical consultant.

Later, in March 2019, he joined Malaysia Airports (Sepang) Sdn Bhd as an executive engineer in the Engineering Control Centre Department, before being promoted to senior executive engineer.

His outstanding achievements and expertise in the electrical engineering profession all paid off when he received the honour of a Professional Engineer (awarded the title 'Ir') in March 2023.

Reminiscing his study journey at UniKL BMI, Khairul Fahmi claims that his degree coursework is a stepping stone that led to his success.

According to Khairul Fahmi, "Nothing is impossible in this life, and all that one needs is a systematic and organised plan, supported by a strong determination to strive towards it."

■ For admission and further information, go to www.unikl.edu.my, or contact its admissions department at 011-7018 8543 or email admission.bmi@unikl.edu.my.