

# ENGINEERING



TURN YOUR  
**TINKERING**  
**SKILLS**



INTO  
**NEXT GREATEST**  
**INVENTION**

Turn for your future.

# VISION

Changing lives and enriching communities for a better world.

# MISSION

- We deliver superior products and services that benefit society, and shape future generations of leaders and thinkers.
- We care for the safety and health of our people, and we believe in developing their talents through empowerment and enabling them to maximise their potential.
- We grow our businesses to deliver sustainable and responsible shareholder returns while ensuring that we continue to protect our environment.
- We must be bold in technological innovations to be market leaders in our core businesses.
- We will leverage on the synergies within our business ecosystem to create unique product offerings.

# EDUCATION CHARTER

- We inspire students and staff to lead, share and serve.
- We create a community in which learning, teaching and research are encouraged, enabled and enjoyed.
- We promote critical thinking, independent learning and creative problem solving.
- We nurture individuals to be ethical and responsible global citizens.
- We share our success with stakeholders and the community we serve.



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# INTRODUCTION

## Welcome to KDU.

Discover an institution that combines knowledge with experiential learning that goes beyond classroom teaching. Our education approach takes on real-world perspective, where our students are encouraged to embark on real-life projects that not only focus on hands-on learning but also education that will help them develop leadership and interpersonal skills, ensuring that they hit the ground running and become graduates who think, do and innovate in order to cater to the needs and betterment of the world we live in.

Here at KDU, we have nurtured many bright and passionate minds who have contributed to society in varieties of ways. We provide a platform for practical, impactful ideas to be conceived and incubated. Our global connections open the minds of our graduates and broaden the perspectives of our future generations.

A pioneer in providing private tertiary education, KDU has seen thousands of spirited and hopeful youths from different background, culture and countries teeming its corridors of vibrant campuses in pursuit of quality education for the past 35 years. As the first institution to have a purpose-built campus, and the first to offer twinning programmes in the nation, KDU is proud to have over 45,000 successful alumni since its inception. Some of whom, include corporate leaders, entrepreneurs and celebrities around the globe.

KDU has two campuses in Selangor – KDU University College in Utropolis Glenmarie and KDU College in Damasara Jaya, and are part of Paramount Education.



# ENTREPRENEURIAL SPIRIT & WORKING WITH COMMUNITIES

Richard Branson, Mark Zuckerberg and Elon Musk are entrepreneurs who are highly enthusiastic, creative problem solvers, risks takers who learn from failures and thrive on challenges. At KDU, we foster these eminent traits by encouraging our students to think outside the box, be innovative in developing their business sense and to cultivate entrepreneurial ideas into impactful action.



## Making Monster Impact

In an effort to spur and accelerate the students' entrepreneurial mindset, the School of Computing and Creative Media has established a development, publishing & commercialisation initiative called Daikaiju Studios, an avenue where staff and/or students form development teams to take on a variety of projects. One of the many success stories was in 2015 – when a group of KDU Game Development students entered a competition to develop a mobile game based on an upcoming animated TV series called Ejen Ali. The students won RM100,000 as a development start-up capital and are currently incubated within the studio. Another one of the initiatives of the studio is to produce original content. As of today, there are two registered digital game IPs currently in development.



## Fine Appreciation of Modern Malaysian Cuisine

An entrepreneurial project of the School of Hospitality, Tourism and Culinary Arts, Dewakan Restaurant is currently Malaysia's rising star in the fine dining scene. Named after the word 'Dewa' for God in Malay and 'Makan' which means 'to eat', Dewakan is looking to change the way we understand Malaysian cuisine by presenting scrumptious and enticing plates that are sure to delight our taste buds. Dewakan believes that food is symbolic of love and the restaurant looks to celebrate the bountiful blessings given by our land through a plethora of innovative courses. This successful entrepreneurial project exists through the vision and passion of KDU culinary lecturer and author of *Redefinition: Molecular Cuisine*, Chef Darren Teoh.



## Turning Designers into Designpreneurs

The growing phenomenon of entrepreneurial designers has given birth to designpreneurs. Designers are normally associated with artistes and visual-makers who tend to be wrapped within their own creative process and creation. However, designers have innate entrepreneurial sense which allows them to expand, experiment and broaden their designs within the commercial, marketing, industrial and trading enterprise. The Entrepreneurial Design students of the School of Communication and Creative Arts understand this concept the most. They are taught to sharpen creative and personalised designs, as well as to market these designs by integrating advanced creative works with business strategies. Through the annual Designpreneur Faire, final year students will showcase and commercialise brands and products they have produced during the period of their studies.



## From Class to Café

Come lunch hour, the alluring smells of mouth-watering desserts and pastries at KDU's Café 8ighty 7even are brought to you by the School of Hospitality, Tourism and Culinary Arts' bakery students. The café allows students to be involved in the process of preparing and baking the savouries and pastries for the café, as well as managing the ins and outs of a business model. The students are tasked to prepare sandwiches, tarts and a variety of breads, and they are able to witness the sales of their own culinary creations for the day. This not only allows them to work in the latest well-equipped kitchens but also to participate in real café environment. You can also get some of the best brewed coffee to go with your delicious pastries!

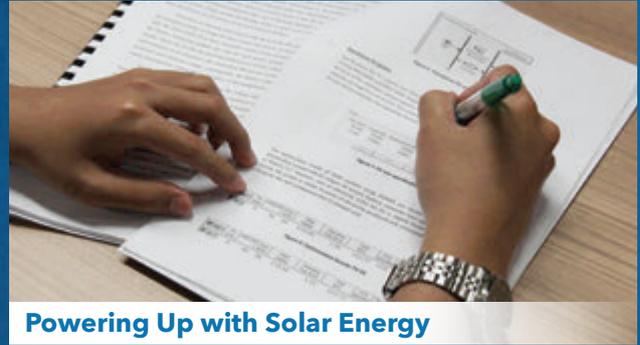
# WORKING WITH & WITHIN COMMUNITIES

One of the most vital traits of real-world education in parallel with real-world needs, is to work with and within communities. At KDU, we believe that the communities around us play an important role in shaping and influencing future leaders and professional businesses. We interact with variety of communities and imbue our students the skills required to work with these communities effectively.



**Corporate Social Responsibilities**

Initiatives that benefit society by corporate enterprises are important in ensuring that the business world remain connected to its own corporate conscience for better environment and better communities. One of the CSR projects initiated by KDU students include the Pre-United Club's efforts of raising more than RM50,000 for the University Malaya Medical Centre (UMMC)'s Children Cancer Fund through its fundraising activities and initiatives. An on-going project since 2010, some of the initiatives from the club include raising funds through tickets sales for musical showcases, food carnivals, competitions such as bowling tournaments and more.



**Powering Up with Solar Energy**

Putting what they learnt into practice, Tharmaraj A/L Vilosamy, Tan Kin Sun and Vinodkumaran, three students from School of Engineering undertook a feasibility study on alternative power sources for Kampung Sesapan Batu Minangkabau. The students proposed and designed a green energy system, which will allow the remote village to produce solar energy to generate electricity for the entire area. Through this hands-on project, the students not only improved their understanding of the utilisation of renewable energy and honed their technical knowledge, but also provided the village with a useable, cost-effective and sustainable solution.



**Bridging Academia with Industry**

The School of Business ensures students obtain real-life learning experiences by bridging academia with industry, through partnerships and collaborations.

### **Digi Cooperative Education Programme**

An industry partnership through the adoption of the Introduction to Business module where students receive on-the-job structured learning experiences in relevant operational areas within the telecommunications industry.

### **Growing Banking Sector: AICB collaboration with KDU**

The Asian Institute of Chartered Bankers (AICB) signed an academic partnership with KDU to groom and nurture the next generation of banking graduates. The demand for talented and skilled individuals in financial sector is rising and this partnership is an example of realising the needs within a rapidly changing environment in the banking industry.



### **The Edge Education Foundation – 'Money & Me' Youth Financial Empowerment Programme**

Incorporating relevant aspects and the spirit of corporate social responsibility, our students volunteered to become facilitators to reach out and inculcate the concept of 'financial literacy' to school students.

# ENGINEERING

Be at the forefront of the engineering world

In the modern world we live in, it is easy to see how complexities give rise to challenges, day by day. It is also remarkable to see how engineering marvels are created as solution to those challenges. Engineers create the reality we live in today, by addressing complex technical problems and enhancing our quality of life through the advancement of science and technology. Creativity and problem-solving are at the heart of every engineering industry, and with such a pivotal role to play, qualified and skilled engineers are in escalating demand and will remain to be throughout the world.

Engineering programmes at KDU are driven by a design-centric curriculum, training students to hone their complex problem-solving skills. Students are equipped with everything necessary to adapt to rapid changes in the engineering field with high ethical and professional standards while demonstrating stellar communication and leadership skills. Not only that, students also gain valuable hands-on experience by participating in real-world projects, and have the opportunity to become a research assistant at an undergraduate level through our undergraduate research programme.

Our programmes adhere to the strict standards set by the Board of Engineers Malaysia (BEM). KDU is also the only university college that has a double specialisation, in its Bachelor of Engineering (Hons) in Electrical and Electronic, for BEM registration.



# WHY CHOOSE KDU?

## Bridging the Gap Between Academic and Industry

Hand-on learning and real world experience is crucial in ensuring our students, as future engineers, stay current and remain relevant when they begin their career. Actively engaging industry experts and exposing students to real-life practices, as well as development of real-life projects are some of the ways we ensure our students set themselves apart and are more grounded from their exposure to the different challenges faced in the industry.

### Industry Advisory Panel

Our Industry Advisory Panel is made up of various industry professionals and engineers, who provide valuable industry insights to enhance our curriculum and students' learning. Panel members include those from ABB Malaysia, ProvenPac and YTL Construction, just to name a few.

### Final Year Project Collaboration

Our students are required to complete Final Year engineering projects, which are collaborations with the industry, based on real-world challenges posed by selected organisations. These projects challenge and test students' skill and creativity in solving complex, real-world problems.

### Industrial Visit

Students are provided with exposure to real world work environment and processes through industrial visits to various plants, sites and organisations, such as MRT construction sites, Energy Commission of Malaysia, MEASAT Satellite Systems and Fraser and Neave, just to name a few.



### Industrial Training Partners

Industrial training not only enables our students to brush up on their engineering knowledge and skills but also strengthens their communication skills and emotional quotient. Some collaborative linkage that provide placements for KDU's engineering students to undergo attachment to gain related experience as well as exposure to the engineering practice in an actual workplace settings

### Industrial CERTIFICATION PARTNERS

Our Industrial Certification Partners are made up of various industry professionals and engineers, who provide valuable industry insights to enhance our curriculum and equip students with essential skills needed among graduates even before they graduate.

### Industrial project and consultancy PARTNERS

Collaborative linkage that crafts a platform on joint technical initiatives and projects that integrates element of research that provide specific solution development and expertise to help solve partners challenges.

### Young Professional Experience

Through the Young Professional Experience sharing sessions, our engineering students are able to gain insights on various engineering industries and learn more about the experiences of young engineers, some of whom include Mr. Loo Ping Yew (R. Stahl Engineering & Manufacturing), and Chin Ze Wei (Schneider Electric).



## Design-Centric Curriculum

Engineering programmes at KDU emphasise on Design Centric Curriculum (DCC), with Design Thinking as the grounding principle of teaching and learning. Students are required to engage in design assignments, Capstone projects and Problem-Based Learning (PBL) to develop their skills in design, complex problem-solving, project management, team work, lifelong learning and complex communication.

# ENGINEERING FACILITIES

The engineering facilities at KDU's Utropolis Glenmarie campus are state-of-the-art, and are one of the most equipped amongst all education institutions in Malaysia.

## Engineering Workshop

- Outfitted with lathe machines, milling machines, welding bays and drilling machines, which are mainly required for fabrication and machining work.
- Used to teach machining processes for mechanical engineering students, as well as used by all engineering students for project fabrication work.

## Thermofluids Lab

- A mechanical engineering laboratory where experiments related to thermodynamics and fluid mechanics will be carried out.
- Outfitted with a wind tunnel, hydraulic benches, flow measurement apparatus, impact of jet apparatus, Marcet Boiler, refrigeration lab unit, pelton turbine, heat conduction study bench and concentric heat exchanger.

## Materials and Automation Lab

- Separated into Materials laboratory and Automation laboratory.
- The Materials laboratory - Universal Tensile testing machine, Brinell hardness tester and Charpy Impact tester for testing of material properties.
- The Automation laboratory - pneumatics and hydraulics training apparatus, and Computer Numerical Control (CNC) machines.

## Electrical and Electronics Systems Lab

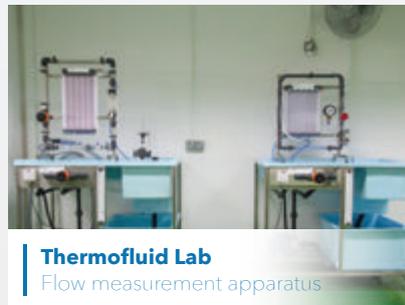
- This laboratory provides students a work space to study the practical aspects of electrical and electronic circuits, components and systems.
- Fully equipped with required instruments such as magnetic kits, oscilloscopes, millimetres, signal generators, function generator, power supplies, advanced universal electronic trainer, IC testers and IC programmers.

## Project Prototyping and Development Lab

- Focuses on project prototypes and models production and development.
- Provides a wide range of prototyping equipment such as PCB CNC machine, 3D printer and soldering panel with high precision temperature control.

## Engineering Innovation Lab

- Used to foster research and innovation that responds to emerging trends in education, industry and society.
- Provides a space for students to test their ideas, from design, prototyping, and development to manufacturing innovative new product or solution with state-of-the-art prototyping tools, equipment, and material.



### Electronics Design Automation Lab

- Used for teaching modelling and design of energy, electronic and mechanical systems.
- Software available in this lab include SolidWorks, AutoCAD, OrCAD, MATLAB and Simulink, and other electronic simulation software.

### Engineering Simulations and Embedded Systems Lab

- Used for embedded system design, circuit simulation and project design.
- The software available for design and simulation include Proteus, Pspice, ERACS, PIC Simulator, Arduino, Diptrace, HI Tech compiler, MPLAB, Microsoft Visual Studio, Model Sim PE, Omron CD-Programmer, PICKit, Texas Instrument Code Composer, Xilinx ISE Design Suite, MATLAB and Simulink.

### Electronics and Communication Lab

- Equipped with apparatus for students to perform experiments related to electronic and communication engineering.
- Includes an array of devices such as optical communication training kit, digital signal processing kit, FPGA kits, oscilloscopes, function generators, power supplies, network analysers and communication training kits.

### Power Systems Lab

- Used for the teaching of power engineering modules, such as power system protection, renewable energy systems, power generation, transmission and distribution.
- Outfitted with three phase circuit trainer, renewable energy kits and power system training set, for the study and testing of power systems.

### Power Electronics, Machines and Drives Lab

- Provides equipment such as DC machine trainer, induction motor load test trainer, transformer, stepping motor with drive and controller for experiments and studies that involve electrical energy generation and conversion.
- The equipments enable students to design, construct and test electric machines, power electronics and power electronics subsystems.

### Applied Mechanics Lab

- For physics and applied mechanics related experimentations.



# STUDY ROUTE

## ENGINEERING

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**DOCTOR OF PHILOSOPHY  
ENGINEERING**



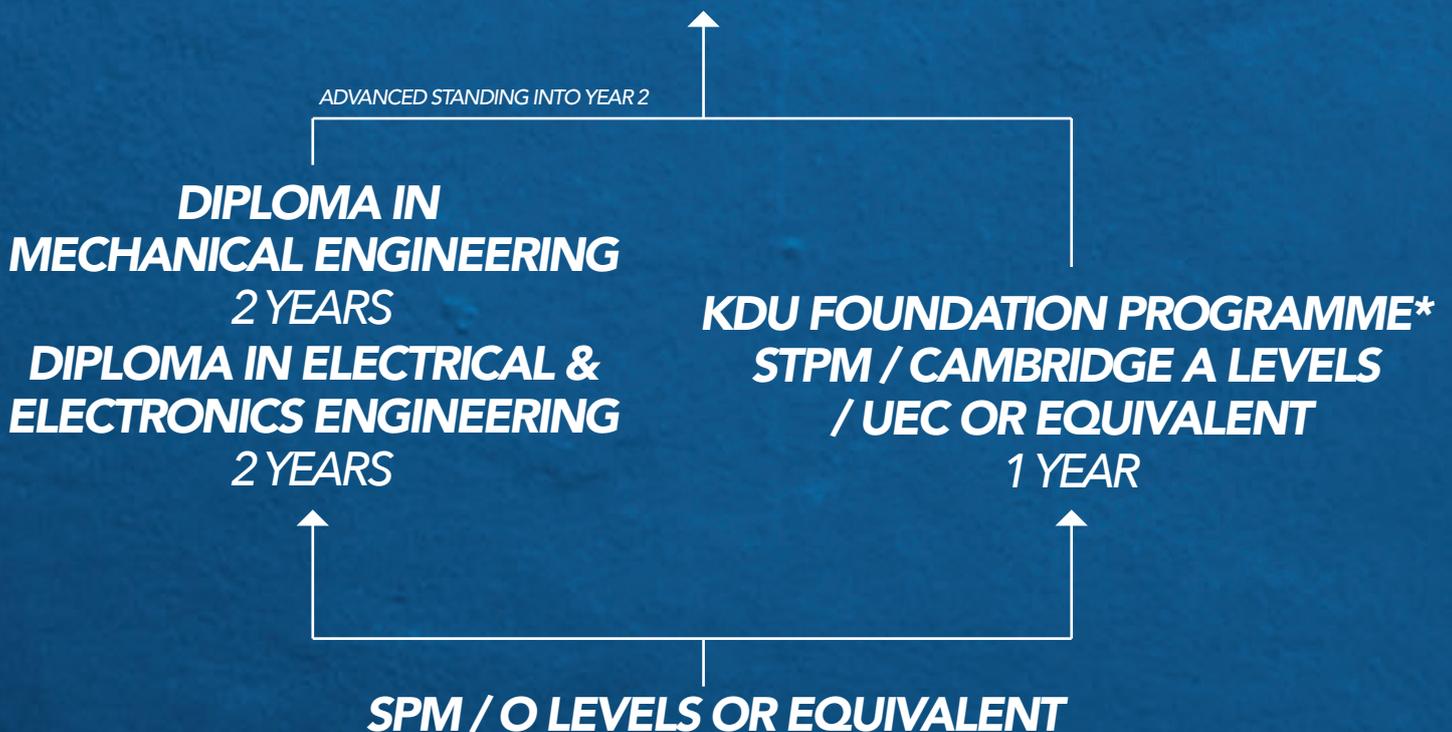
**MASTER OF SCIENCE (BY RESEARCH)**



**BACHELOR OF MECHANICAL ENGINEERING WITH HONOURS  
4 YEARS**

**BACHELOR OF ELECTRICAL & ELECTRONICS ENGINEERING  
WITH HONOURS  
4 YEARS**

**BACHELOR OF MECHATRONICS ENGINEERING WITH HONOURS  
4 YEARS**



\*Specific foundation programmes that meet the entry requirement.

# ARTICULATION: **PARTNER UNIVERSITIES**

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**BACHELOR OF ENGINEERING (HONS)  
IN MECHANICAL**  
1<sup>ST</sup> YEAR



**BACHELOR OF ENGINEERING (HONS) IN  
ELECTRICAL & ELECTRONICS, MECHANICAL  
ENGINEERING AND NAVAL ARCHITECTURE**  
1<sup>ST</sup> YEAR



**BACHELOR OF ENGINEERING (HONS)  
IN ELECTRICAL & ELECTRONICS ENGINEERING**  
1<sup>ST</sup> YEAR

**KDU FOUNDATION IN ENGINEERING**  
1 YEAR



**BACHELOR OF ENGINEERING (HONS)  
IN ELECTRICAL & ELECTRONICS ENGINEERING**  
2<sup>ND</sup> YEAR



**KDU DIPLOMA IN ELECTRICAL & ELECTRONICS  
ENGINEERING**  
2 YEARS



**UNIVERSITY OF LEEDS**

**BACHELOR OF ENGINEERING (HONS) IN  
ELECTRICAL & ELECTRONICS ENGINEERING**  
2<sup>ND</sup> YEAR



**KDU BACHELOR OF ELECTRICAL & ELECTRONICS  
ENGINEERING WITH HONOURS**  
1 YEAR

# FOUNDATION IN ENGINEERING

## A step closer to finding real-world solutions.

Engineering plays a pivotal role in our lives and it's no surprise engineers are in great demand all over the world!

The KDU Foundation in Engineering is ideal for those who are looking to gain admission into engineering degree programmes. This provides students with opportunities to develop fundamental knowledge and skills set in the physical sciences, technical knowledge in engineering and language skills for tertiary education.

Students are introduced to engineering-based subjects such as mechanics, electronics, and material science, enabling them to decide their specialised field of engineering to pursue upon completion.

Upon completion, students will be able to articulate seamlessly into engineering degree programmes offered at KDU.



# PROGRAMME STRUCTURE

## MODULES

- Chemistry
- Electronic Technology
- Engineering Materials
- Engineering Mathematics 1,2 & 3
- Fundamentals of Mechanics & Workshop Technology
- Fundamentals of Physics
- Introduction to Computer Technology
- Technical Communication & Organisation Management Practices
- Technical Drafting & CAD

## MPU

- Bahasa Kebangsaan A\*
- Bahasa Melayu Komunikasi 1 (International Students)
- Cultural Studies
- Pengajian Malaysia 1 (Malaysian Students)
- Study Skills

### \*Notes:

Bahasa Kebangsaan A is compulsory for all Malaysian students

- without a credit in SPM Bahasa Malaysia.
- without SPM Bahasa Malaysia (applicable to students from UEC, O Level, or other equivalent programmes)

## ENTRY REQUIREMENT

### Academic Qualification

### Requirement

SPM / O Levels

Pass with min. 5 Credits (inclusive of English, Mathematics and 1 Science subject)

UEC

Min. 3 Credits (inclusive of English, Mathematics and 1 Science subject)

Any other qualifications deemed equivalent by the Ministry of Education, Malaysia (or as stated in the Document Senarai Nilai Taraf Kelayakan Akademik, Malaysian Qualifications Agency)

Pass (Subject to review and approval of certified transcripts)

## ENGLISH REQUIREMENT

### Local Student

Credit (SPM / 1119 / UEC / O Levels examination)

### International Student

Band 5.0 in IELTS; or a score 35 (IBT) with 415 (PBT) in TOEFL; or other equivalent qualification

If English Language requirements are not fulfilled, additional English module(s) may be taken at KDU

**Duration:**  
1 Year

**Course Mode:**  
Full Time

**Intakes:**  
January, March, May, and September

**Course Location:**  
KDU University College,  
Utropolis, Glenmarie

# DIPLOMA IN ELECTRICAL & ELECTRONICS ENGINEERING

**Empowering your dreams to create an ideal world development.**

With the Diploma in Electrical and Electronics Engineering, students gain understanding of engineering concepts and applications of power generation, transmission and distribution. The programme grounds students with a strong foundation of knowledge and technical skills in the utilisation and control of electrical energy and technology. Students also gain hands-on training as they hone their technical skills in our cutting-edge laboratories.

Upon completion, students can decide to join the workforce or progress to the engineering degree programmes at KDU, as well as other institutions locally or internationally.



# PROGRAMME STRUCTURE

## YEAR 1

- Analogue Electronics
- Computer Programming
- Electric Circuits
- Technical Drafting and CAD
- Engineering Mathematics 1 & 2
- Engineering Physics and Electromagnetic Fields
- Microcontroller Application
- Personal Development and Planning
- Principles of Electromagnetic Fields
- Tertiary English 1 & 2
- Electrical Wiring and Troubleshooting

## YEAR 2

- Digital Electronics
- Electric Machines
- Electric Power System Fundamentals
- Electronic Instrumentation and Control Systems
- Engineering Management, Practices and Ethics
- Engineering Mathematics 3
- Engineering Project
- Fundamental of System Modelling
- Industrial Project
- Industrial Training
- Microcontroller System Design and Applications
- Power Electronics
- Modern Power System
- Automation and Programable Logic

## MPU

- Bahasa Kebangsaan A\*
- Bahasa Melayu Komunikasi 1 (International Students)
- Co-Curricular Activities and Community
- Malaysia Culture and Life
- Pengajian Malaysia 2 (Malaysian Students)

### \*Notes:

Bahasa Kebangsaan A is compulsory for all Malaysian students

- without a credit in SPM Bahasa Malaysia.
- without SPM Bahasa Malaysia (applicable to students from UEC, O Level, or other equivalent programmes)

### ENTRY REQUIREMENT

Academic Qualification	Requirement
SPM / O Levels	Min. 3 Credits (3Cs) (inclusive of Mathematics and Science and "Pass" in English)
UEC	Min. 3 Credits (3Bs) (inclusive of Mathematics and Science and "Pass" in English)

### ENGLISH REQUIREMENT

<b>Local Student</b>	Pass (SPM / 1119 / UEC / O Levels examination)
<b>International Student</b>	Band 5.0 in IELTS; or a min score of 34 (IBT) or 410 (PBT) in TOEFL; or score 36 and above for Pearson English Test

If English Language requirements are not fulfilled, additional English module(s) may be taken at KDU University College

**Duration:**  
2 Years

**Course Mode:**  
Full Time

**Intakes:**  
January, March, May,  
September and November

**Course Location:**  
KDU University College,  
Utropolis, Glenmarie

# DIPLOMA IN MECHANICAL ENGINEERING

**A path to make the world a better place  
for everyone.**

The two-year Diploma in Mechanical Engineering programme is designed to provide students with strong technical, analytical, and problem-solving skills necessary for a variety of careers in the field of mechanical engineering. This programme is suitable for students who are interested in the design, technology, construction and development of solutions for engineering problems. Catering to the demands of the engineering industry, this diploma will produce graduates who are not only skilful but also well-equipped with current and relevant knowledge in the advancement of this engineering discipline.

This programme enables students to apply the fundamentals of electrical engineering and mechatronics to mechanical engineering designs. Students' learning is facilitated with state-of-the-art laboratories equipped with the latest technology in order to maximise their learning experience. Every student will have the opportunity to handle high end / industrial grade machines and equipment in the engineering laboratories. KDU has an excellent combination of academics who are active researchers and industry specialists who can provide real-world insights to students.

The programme also offers students the opportunity to establish strong industry linkage as they could benefit from the existing collaboration between KDU and esteemed industry partners to provide support for project-based learning and internship.



## CAREER OPPORTUNITIES

- Assistant Engineer
- Supervisor
- Mechanical Technician
- Maintenance Technician
- Field Service Technician
- Metallurgical Assistant Engineer
- Automotive Technician
- Construction Technician
- Production Technician
- Building Service Technician

# PROGRAMME STRUCTURE

## YEAR 1

- Computer Programming
- Electric Circuits
- Engineering Mathematics I, II & III
- Engineering Physics
- Engineering Materials
- Fluid Mechanics
- Mechanical Design
- Personal Development and Leadership Skills-1 & 2
- Statics and Dynamics
- Strength of Materials
- Technical Drafting and CAD
- Tertiary English 1 & 2

## YEAR 2

- Analogue Electronics
- Electric Machines
- Engineering Management, Practices & Ethics
- Industrial Project
- Industrial Automation 1 & 2
- Industrial Training
- Mechanics of Machines
- Thermodynamics
- Workshop Technology 1 & 2

## MPU

- Bahasa Kebangsaan A\*
- Bahasa Melayu Komunikasi 1 (International Students)
- Co-Curricular Activities and Community
- Malaysia Culture and Life
- Pengajian Malaysia 2 (Malaysian Students)

### \*Notes:

Bahasa Kebangsaan A is compulsory for all Malaysian students

- without a credit in SPM Bahasa Malaysia.
- without SPM Bahasa Malaysia (applicable to students from UEC, O Level, or other equivalent programmes)

### ENTRY REQUIREMENT

Academic Qualification	Requirement
SPM / O Levels	Min. 3 Credits (3Cs) (inclusive of Mathematics and Science and "Pass" in English)
UEC	Min. 3 Credits (3Bs) (inclusive of Mathematics and Science and "Pass" in English)

### ENGLISH REQUIREMENT

<b>Local Student</b>	Pass (SPM / 1119 / UEC / O Levels examination)
<b>International Student</b>	Band 5.0 in IELTS; or a min score of 34 (IBT) or 410 (PBT) in TOEFL; or score 36 and above for Pearson English Test

If English Language requirements are not fulfilled, additional English module(s) may be taken at KDU University College

**Duration:**  
2 Years

**Course Mode:**  
Full Time

**Intakes:**  
January, March, May,  
September and November

**Course Location:**  
KDU University College,  
Utropolis, Glenmarie

# BACHELOR OF ELECTRICAL & ELECTRONICS ENGINEERING WITH HONOURS

## Enabling Innovative Solution through electrical and electronics engineering.

Technologies such as universal electric power, television, medical imaging are all examples of how electrical and electronics engineering play a strong role in modern society. KDU's Bachelor of Electrical and Electronics Engineering with Honours provides students with a broad-based education in electrical and electronics engineering, and equips them with the technical knowledge and skills through their specialisation.

Students can opt to choose between 3 majors in their fourth year:

### Electrical Power and Renewable Energy

Focuses on harnessing green energy and developing the latest smart-grid technology.

### Electronics Engineering

Emphasises on the advanced digital system design and also embedded systems.

### Communication Engineering

It focuses on radio frequency and optical communication.

Students will benefit from our cutting-edge laboratories, enabling them to use industry standard tools and machineries for hands-on training.

Our emphasis on the real-world experience also means students will undertake real-world projects in collaboration with the industry.

The students will also develop an understanding of ethical considerations and contemporary technical issues in the practice of engineering.



## CAREER OPPORTUNITIES

- Control Engineer
- Electronics Engineer
- Network Engineer
- Test Engineer
- Electrical Engineer
- Maintenance Engineer
- Project Engineer
- Transmission Engineer

# PROGRAMME STRUCTURE

## YEAR 1

- Engineering Mathematics 1
- Circuit Theory
- Computer Programming for Engineers
- Engineering CAD
- Engineering Design Fundamentals
- Engineering Mathematics 2
- Analogue Electronics
- Digital Electronics
- Introduction to Communication Systems

## YEAR 2

- Engineering Mathematics 3
- Circuit Theory and Analysis
- Principles of Microcontroller Systems
- Object Oriented Programming
- Statistics
- Engineering Ethics, Safety and Environment
- Numerical Methods
- Electric Machines
- Signals and Systems
- Electromagnetic Field Theory and Applications
- Instrumentation and Measurement

## YEAR 3

- Power Electronics
- Advanced Electronics
- Control Systems
- Power Systems Analysis
- Computer Networks
- Digital Communication
- Microcontroller System Design
- Electric Machines and Drive Systems
- Engineering Project Management
- Capstone Project

## YEAR 4

- Final Year Project 1
- Digital Signal Processing
- Industrial Training
- Principles of Sustainable Engineering
- Elective 3 (4 Subjects)

## ELECTIVES

### ELECTRICAL POWER & RENEWABLE ENERGY

- Advanced Power System Analysis
- Electrical Energy Utilisation
- Energy Storage
- Power Station and High Voltage Engineering
- Power System Protection
- Renewable Energy Systems
- Sustainable Power Generation
- Transmission and Distribution

### ELECTRONIC ENGINEERING

- Advanced Control Systems
- Advanced Digital Design with HDL
- Fault Diagnosis of Integrated Circuits
- Introduction to Opto-Electronic Devices
- MEMS Sensors and Actuators
- Mixed Signals Circuit Design
- Real Time Embedded Systems
- VLSI

### COMMUNICATION ENGINEERING

- Advanced Digital Design with HDL
- Internet Protocol for Mobile Network
- Introduction to Opto-Electronic Devices
- Mixed Signals Circuit Design
- Optical Communication
- Radio Communication Systems
- RF Systems Design

## MPU

- Bahasa Melayu Komunikasi 2
- Corporate Social Responsibility
- Entrepreneurship
- Hubungan Etnik (Malaysian Student)
- Life in Malaysia
- Pengajian Malaysia 3 (International Students)
- Tamadun Islam dan Tamadun Asia (Malaysian Student)

## ENTRY REQUIREMENT

### Academic Qualification

### Requirement

GCE A Levels / STPM	2 Principal Passes (Inclusive of Mathematics and Physics)
UEC	Min. 5 Credits (Inclusive of Mathematics and Physics)
Diploma	CGPA 2.00
Foundation Studies	CGPA 2.00

Any other qualifications deemed equivalent by the Ministry of Education, Malaysia (or as stated in the Document Senarai Nilai Taraf Kelayakan Akademik, Malaysian Qualifications Agency)

Pass (Subject to review and approval of certified transcripts)

## ENGLISH REQUIREMENT

### Local Student

Band 3 in MUET or its equivalent

### International Student

Band 5.5 in IELTS; or a min score of 46 (IBT) or 454 (PBT) in TOEFL; or score 42 and above for Pearson English Test

If English Language requirements are not fulfilled, additional English module(s) may be taken at KDU University College

**Duration:**  
4 Years

**Course Mode:**  
Full Time

**Intakes:**  
January, May, September and November

**Course Location:**  
KDU University College,  
Utropolis, Glenmarie

# BACHELOR OF MECHANICAL ENGINEERING WITH HONOURS

Mechanical engineers work with advanced technology across a wide range of specialisations.

At KDU, the Bachelor of Mechanical Engineering with Honours programme enables students to apply the principles of physics and material science to design, produce and operate a wide variety of equipment and systems.

Our approach is holistic learning to ensure graduates are well equipped with a solid platform for adaptation to ever-changing developments in science and technology, thus meeting the rigorous demands of global industries.

**Master complex mechanical engineering systems.**

Students will gain various opportunities for hands-on training to hone their technical skills and knowledge through various subjects, to be completed in our state-of-the-art laboratories.

Our Design Centric Curriculum also ensures that students will be able to apply their analytical and design skills through creative problem-solving in industry projects.

This programme also allows students to choose an area of focus through technical electives:

- **Mechanical**
- **Material**



## CAREER OPPORTUNITIES

- Automotive Engineer
- Maintenance Engineer
- Quality Assurance Engineer
- Manufacturing Engineer
- Design Engineer
- Mechanical Engineer
- Industrial Engineer
- Process Engineer

# PROGRAMME STRUCTURE

## YEAR 1

- |                             |                                      |  |
|-----------------------------|--------------------------------------|--|
| • Engineering Mathematics 1 | • Computer Programming for Engineers | • Engineering Mathematics 2                |
| • Statics                   | • Engineering CAD                    | • Dynamics                                 |
| • Engineering Materials     | • Industrial Design                  | • Mechanical Workshop Practices            |
|                             |                                      | • Principles of Electrical and Electronics |

## YEAR 2

- |                     |  |                                   |
|---------------------|--|-----------------------------------|
| • Fluid Mechanics 1 | • Statistics                                 | • Solid Mechanics 2               |
| • Solid Mechanics 1 | • Engineering Ethics, Safety and Environment | • Fluid Mechanics 2               |
| • Electric Machines | • Numerical Method                           | • Engineering Thermodynamics      |
|                     |  | • Instrumentation and Measurement |

## YEAR 3

- |                           |   |                              |
|---------------------------|---|------------------------------|
| • Advanced Thermodynamics | • Mechanical Vibrations                 | • Component Design           |
| • Control Systems         | • Principles of Microcontroller Systems | • Capstone Project           |
| • Manufacturing Processes | • Engineering Project Management        | • Heat Transfer              |
|                           |   | • Computer Aided Engineering |

## YEAR 4

- |                            |                        |                                |
|----------------------------|------------------------|--------------------------------|
| • Final Year Project 1     | • Industrial Training  | • Computer Aided Manufacturing |
| • Total Quality Management | • Final Year Project 2 |                                |

## ELECTIVES

### MECHANICAL FOCUS

- Air Conditioning, Heating and Ventilating Systems
- Energy Renewable Systems
- Internal Combustion Engines
- Principles of Sustainable Engineering

### MATERIAL FOCUS

- Advance Materials Technology
- Engineering Ceramics and Polymer
- Fracture Mechanics
- Materials Selection in Design

## MPU

- |   |                                      |  |
|---|--------------------------------------|--|
| • Bahasa Melayu Komunikasi 2 (International Students) | • Entrepreneurship                   | • Pengajian Malaysia 3 (International Students)      |
| • Corporate Social Responsibility                     | • Hubungan Etnik (Malaysian Student) | • Tamadun Islam dan Tamadun Asia (Malaysian Student) |
|   | • Life in Malaysia                   |  |

## ENTRY REQUIREMENT

Academic Qualification	Requirement
GCE A Levels / STPM	2 Principal Passes (Inclusive of Mathematics and Physics)
UEC	Min. 5 Credits (Inclusive of Mathematics and Physics)
Diploma	CGPA 2.00
Foundation Studies	CGPA 2.00

Any other qualifications deemed equivalent by the Ministry of Education, Malaysia (or as stated in the Document Senarai Nilai Taraf Kelayakan Akademik, Malaysian Qualifications Agency)

Pass (Subject to review and approval of certified transcripts)

## ENGLISH REQUIREMENT

Local Student	Requirement
Local Student	Band 3 in MUET or its equivalent
International Student	Requirement
International Student	Band 5.5 in IELTS; or a min score of 46 (IBT) or 454 (PBT) in TOEFL; or score 42 and above for Pearson English Test

If English Language requirements are not fulfilled, additional English module(s) may be taken at KDU University College

**Duration:**  
4 Years

**Course Mode:**  
Full Time

**Intakes:**  
January, May, September and November

**Course Location:**  
KDU University College,  
Utropolis, Glenmarie

# BACHELOR OF MECHATRONICS ENGINEERING WITH HONOURS

## Geared To Meet the Surge of Innovation and Emergence of New Technologies

The Bachelor of Mechatronics Engineering with Honours is a multidisciplinary field of science that includes a combination of mechanical engineering, electronics, computer engineering, telecommunications engineering, systems engineering and control engineering. This programme is suitable for students who are passionate and interested in understanding new designs or developing new sensors, actuators, control algorithms and use advanced functional materials for the design of mechanical systems.

This programme is designed to meet the surge of innovation and emergence of new technologies required by modern industries to sustain global competitiveness which makes mechatronic engineers as a hybrid graduate that are able to tackle a wide range of challenges in the industry. Every industry needs mechatronics engineers to continue to rapidly develop innovative products with performance, which delivers quality at a lower cost. This makes the scope and applications of mechatronics relevant and vibrant for many years to come with a steady increase in demand from the industry.

The Mechatronic programme at KDU is a perfect balance between mechanical and electronic engineering geared to provide both theory and laboratory work to enable students to understand the principles underlying the application of intelligent controllers and systems. Students will mature through the practical application of concepts and theory that will be carried out in cutting-edge laboratories. KDU Mechatronics students have the unique prospect to gain hands-on experience in the integrated design of mechanical, electrical, and software systems. Other than that, students are also exposed to the real world as KDU established academic linkages with industry players for capstone project design, guest seminars, industrial enhancement skills as well as support for project-based learning and internship.



### CAREER OPPORTUNITIES

- Mechatronics Automation Engineer
- Field Service Mechatronics Engineer
- Micro Electromechanical System Engineer
- Mechatronics System Engineer
- Control Engineer
- Robotic Engineer
- Industrial Automation Engineer

# PROGRAMME STRUCTURE

## YEAR 1

- Engineering Mathematics 1
- Statics
- Computer Programming for Engineers
- Engineering Materials
- Engineering CAD
- Engineering Design Fundamentals
- Engineering Mathematics 2
- Principles of Electrical and Electronics
- Digital Electronics
- Dynamics

## YEAR 2

- Engineering Mathematics 3
- Principles of Microcontroller Systems
- Electric Machines
- Engineering Thermodynamics
- Statistics
- Engineering Ethics, Safety and Environment
- Numerical Methods
- Component Design
- Signals and Systems
- Instrumentation and Measurement

## YEAR 3

- Control Systems
- Manufacturing Processes
- Automation and Robotics
- Artificial Intelligence
- Power Electronics
- Entrepreneurship
- Corporate Social Responsibility
- Capstone Project
- Engineering Project Management
- Computer and Machine Vision
- Electric Machines and Drive Systems
- Computer Aided Engineering

## YEAR 4

- Final Year Project 1
- Advanced Control Systems
- Digital Signal Processing
- Industrial Training
- Final Year Project 2
- Computer Aided Manufacturing

## ELECTIVES

- Autonomous Robotics Systems
- Digital Signal Processing
- MEMS Sensors and Actuators
- Radio Communication Systems
- Real Time Embedded Systems
- Robotics Kinematics and Control

## MPU

- Bahasa Melayu Komunikasi 2 (International Students)
- Corporate Social Responsibility
- Entrepreneurship
- Hubungan Etnik (Malaysian Students)
- Life in Malaysia
- Pengajian Malaysia 3 (International Students)
- Tamadun Islam dan Tamadun Asia (Malaysian Students)

## ENTRY REQUIREMENT

Academic Qualification	Requirement
GCE A Levels / STPM	2 Principal Passes (Inclusive of Mathematics and Physics)
UEC	Min. 5 Credits (inclusive of Mathematics and Physics)
Diploma in related field	CGPA 2.00
Foundation / Matriculation in related field	CGPA 2.00

Any other qualifications deemed equivalent by the Ministry of Education, Malaysia (or as stated in the Document Senarai Nilai Taraf Kelayakan Akademik, Malaysian Qualifications Agency)

Pass (Subject to review and approval of certified transcripts)

## ENGLISH REQUIREMENT

<b>Local Student</b>	Band 3 in MUET or its equivalent
<b>International Student</b>	Band 5.5 in IELTS; or a min score of 46 (IBT) or 454 (PBT) in TOEFL; or score 42 and above for Pearson English Test

If English language requirements are not fulfilled, additional English module(s) may be taken at KDU University College.

**Duration:**  
4 Years

**Course Mode:**  
Full Time

**Intakes:**  
January, May, September and November

**Course Location:**  
KDU University College,  
Utopolis, Glenmarie

# DOCTOR OF PHILOSOPHY ENGINEERING

## Contribute to the Community of Engineering Scholars Around the World

The Doctor of Philosophy in Engineering programme provides innovative training which enhances professional knowledge in a specialisation area and develops a wide range of advanced transferable skills, ensuring the development of high calibre graduates.

The nature of the programme ensures that students develop academically in their professional capability, intellectual creativity, innovation, scientific skill sets and become an independent researcher, as well enhance their personal attributes through personal confidence, leadership traits, communication and entrepreneurial skills. Graduating with a Ph.D.

signifies a contribution of the graduate to the community of engineering scholars around the world.

As a research-based programme, students would be trained to critically analyse a problem, design a solution (or make a discovery) and implement the solution. In that process, students would collaborate and innovate. With partnering overseas institutions, enabling research students to experience overseas exposure such as exchanging research findings and ideas, culture, working ethics, and many other exciting adventures. This Ph.D. programme is tailored to students' choices of specialisation and thus it is encouraging for students who wish to have higher freedom in their choice of studies, as well as flexibility in terms of time management.

This programme is designed to specifically fit the busy and hectic schedule of working professionals who wish to work and study simultaneously as it allows flexible study arrangement. The skills learned in the programme are beneficial to practices in the marketplace as well as the academic field. Students who are highly independent in learning, committed to excel, and ambitious in their career progressions are strongly recommended for this programme



### CAREER OPPORTUNITIES

- Academician
- Researcher
- Carrer progression in related fields/ organisations
- Scientist

# PROGRAMME STRUCTURE

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## RESEARCH PROPOSAL

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- Students will systematically structure and develop their research by developing a research proposal, which would guide the student through the entire research process.

## PROPOSAL DEFENCE

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- A presentation session chaired by KDU with invited panel of examiners to ensure the candidate is able to articulate their research ideas and plans, as well as having the necessary skills to carry out research activities as proposed.

## RESEARCH

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- Upon the approval of the research proposal, students will be guided by their supervisors to begin their research, and will work independently on their research projects

## THESIS

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- Upon completion of their research, students will document the research project and process in a thesis. Typically, thesis for PHD should not be more than 80,000 words.

## VIVA VOCE

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- Upon completion of research and thesis, candidate will undergo an oral presentation, chaired by experts in the field.

### ENTRY REQUIREMENT

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#### Academic Qualification

#### Requirements

Master Degree

Completion of Master's Degree or equivalent in a related field

### ENGLISH REQUIREMENT

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#### Local Student

Band 5 in MUET

#### International Student

Band 6.0 in IELTS; or a score 60 (IBT) with 499 (PBT) in TOEFL; and score 50 above for Pearson English Test

If English Language requirements are not fulfilled, additional English module(s) may be taken at KDU University College

#### Duration:

Minimum 3 years /  
Maximum 6 years

#### Course Mode:

Full Time/ Part Time

#### Intakes:

January, May and September

#### Course Location:

KDU University College,  
Utopolis, Glenmarie

# KDU ALUMNI VOICES



## **ABNER FRANCIS XAVIOUR** (Program Management Office, BASF)

Brought up from a humble beginning in a family of five, Abner was taught that we can achieve more and be successful if we remain modest and respectful. He believes humility is the most shining jewel in a leader's crown. Despite achieving a First Class Honors Bachelor's degree in Communication and Electronic Engineering from University of Northumbria Newcastle (UNN), UK in 2009, Abner never took pride and has instead been grateful to his lecturers at KDU PJ for his academic success.

Apart from humility, integrity is the other core value that matters to him. He says, "I admire people who do not compromise integrity on their journey to success". With technology these days, plagiarism and academic integrity is a growing concern. However Abner feels UNN's engineering program is designed to encourage creativity and critical thinking which gives little room for such abuse. He recollects designing an intelligent parking system and also a liver cancer detection tool using Matlab as part of his final thesis which challenged his engineering acumen.

Abner who has worked with several leading multinational corporations, is a certified Project Management Professional (PMP). He has successfully implemented projects relating to Human Resource, Finance Services, Information Systems (SAP), Quality Control & Audits, Service Management, Knowledge Management and Environment, Health & Safety among others. Throughout his career so far, Abner has been fortunate to work with many reputable leaders and observed that only the honest and sincere ones excel.

As the cliché goes, the journey to success is never smooth but to Abner, he keeps the faith and practices to harness the power of positivity in his daily life. Positive influences from nature, sports and extreme activities like white water rafting and hiking help him to remain motivated and rejuvenated in achieving his aspirations. He also enjoys volunteering and with his competent leader and communicator certification from Toastmasters International, he has conducted workshops and talks at various levels to empower individuals to overcome their communication fears and leadership challenges.



## **AIMAN ABDUL WAHAB** (Sales Director, HIMA Paul Hildebrandt GmbH)

The global marketplace promises unlimited opportunities to those who dare to step out their comfort zone, taking calculated risk in pursuit of growth, advancement and excellence in work (and life).

Coming from a small village between Kangar and Beseri, Perlis; this kampung boy would never have thought that he would one day be traveling the world.

A big part of this success was my experiences and exposure gathered during the degree course at KDU College and KDU was one of the best decision I've made.

My early experiences in the professional world required me to work with people from various walks of life, locals and foreigners. This was no problem at all as I had enough exposure during my days in KDU mingling with friends and lectures from various backgrounds, understanding and respecting cultural traditions and religious beliefs. The lecturers and educators are dedicated to ensuring students are well equipped with skillset for what lies after college. I completed my Degree in Electrical and Electronics Engineering not just with sound technical knowhow, but also soft skills that goes a long way in my career development.

Almost immediately after graduating, I started work as an engineer designing electrical systems for simpler installations (residential and commercial buildings) and slowly graduated to more complex designs and engineering projects (airports and military bases) in a few years time. My talent and expertise was noticed by a multi-national company and from then on, my career development rocketed. Having attached to companies such as Johnson Controls, Schneider Electric, Siemens and currently with Prysmian Group

At any point of time my career growth, flashback of phrases and guidance from KDU lecturers guided me to make the right decisions.

Currently, Sales Director at HIMA and form the key person for business management, sales and business development for HIMA safety systems covering the region of North & South East Asia (ASEAN + Taiwan/Korea/Japan)



**JAMIE FRANCIS MORAIS** (Division Head, Nissan Motor Vietnam Ltd)

I would have never imagined that my early tertiary education years with KDU would significantly shape both my mindset and work ethics in such an impactful way, that it has positively impacted my career life. What I have learnt in KDU, from the dedicated lecturers and its conducive environment has definitely helped me to develop a work ethic of continuous improvement, that has helped me to grow in my career by always questioning the norm and looking for ways to improve processes and strive for higher achievements. In the real working world, problem solving mindset is a crucial requirement and KDU's holistic education programme has helped to shape this mindset in me. KDU has definitely provided me something valuable that I will cherish eternally.



**KALAI VEINTHAN RAMDAS** (Project Manager, PETRONAS)

As a former student of KDU, I would say that the Bachelor Degree of Engineering offered by KDU College was a complete package of learning and it stays as an asset for my profession in engineering. My journey with KDU started in the year 2004 with Diploma in Telecommunication & Computer Engineering. It inspired me to do my Degree in Bachelor of Engineering (Hons) in Communication and Electronic Engineering offered by KDU in collaboration with Northumbria University UK, and I graduated in the year 2009. The vast hands-on learning experience, variety of lecturers with fantastic knowledge, practical provided, multicultural environment have prepared myself towards my dream profession.

Upon my graduation at KDU, I started my career as NDT Engineer and later on as a Field Engineer and I am now working as a Project Manager at a reputable oil and gas company in Malaysia, Petroliaam Nasional Berhad (PETRONAS). My work involves a variety of roles including monitoring and supervising the project team in delivering the assigned project, to be responsible in site construction and operation, in charge of onshore and offshore project execution. My present job is definitely very stimulating and rewarding. I personally feel my years at KDU have provided a good stepping stone towards my career and lead me to where I am today.



**MICHELLE DRIESEN** (Associate Director & Head of Engineering Dept, ERS Energy Sdn Bhd)

Back in the 90's, after I have completed my SPM, KDU College used to be known as Kolej Damansara Utama (KDU) was my choice of preference primarily because it was then the only reputable institution that offered the Diploma in Telecommunications and Computer Engineering. The learning experience in the programme was indeed a huge challenge as it was skewed towards technical aspect as well as the push to compete with fellow classmates comprising mostly the alpha males.

To make it sweeter, KDU had the scholarship waiver for straight A's students per semester basis. I saved three (3) semester's tuition fees and in return was a librarian for quite a number of months. Talk about the number of books read (not)!

After graduating, I have decided to enrol myself in the Electrical & Electronics Engineering franchise degree programme at the College. This programme has taught me various skills from technical to documentation in which I felt was taxing those days. But I came to appreciate them right as I started working. Alas, looking back on my tertiary education trail, the amount of blood, sweat and tears did not go to waste. It provided me a huge cushion of confidence to face up to big challenges at workplace.

In fact, the subjects in this course for instance Power Systems was extremely useful especially in the field that I'm currently working at ERS. With the knowledge that I have gained and experience that I went through, I'm able to achieve my goals and excel in my career. A good foundation paired with approachable lecturers certainly made it easier. "Set your goals and achieve it albeit slowly but nevertheless surely"

# STUDENT LIFE

## Vibrant Community

Being on campus is one of the most exciting phases in an individual's life. A university campus is a safe and encouraging space for students to come together to learn, be inspired and spend time with their peers within a vibrant and conducive environment.

At KDU, students can opt to run for the KDU Student Council, a student-elected body which serves as a bridge between the university management and students, or get involved in the numerous clubs and societies available – from dance to debate, sports to student entrepreneurship, games to culture.

KDU's Student and Alumni Centre (SAC) creates and maintains the vibrancy required in a student's life in order to enhance positive experiences. SAC also looks to provide the highest level of quality support and welfare by cultivating five fundamental needs: social, mental, physical, emotional and spiritual aspect in order to maximise both academic and personal development. In line with the Malaysia Education Blueprint (MEB), the KDU YOUTH Empowerment Plan includes five key holistic initiatives to anchor students to adopt healthy lifestyle and maximise learning experiences.



| FITSPIRATION

Injecting a dose of fitness into students' daily lives, this initiative encompasses all activities that will feed and boost students' body, mind and soul, such as yoga, basketball, badminton, various talks on wellbeing, and more.



| CAREER EXPLORATION

This initiative helps students explore the various internship or job options that fit their interests, skills, and abilities. Through this initiative, students can enjoy career enrichment talks, industry engagements as well as the career placement fair.



| SUSTAINABILITY

The Sustainability initiative is to create awareness for students to become conscious of the importance and need to sustain the world we live in. Students and staff are encouraged to waste not and to live a green life.



| HATCH UP

Hatch Up aims to facilitate students in learning to develop entrepreneurial skills, by supporting creativity, self-generated ideas and efforts. This action plan intends to give KDU graduates a chance to see their ideas take shape in reality, with support from the university, and further fuel their journey to be a self-made success by developing an entrepreneurial mindset – driven, resourceful, persistent, and above all, dedicated to a cause to call their own.



| CULTURATION

Diversity is a big part of who we are as a society. Culturation aspires to encourage students to appreciate these differences and understand how culture influences the way they see the world. Activities students can look forward to include diversity and inclusion camps, cultural exchanges and such.



Culturation: Malay Cultural Society Homestay



CSR Activities with a Local Orphanage



Outdoor Activities at the PAC Camp



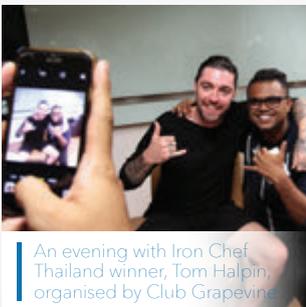
Career Exploration: Internship Fair



Strikes for Charity - Bowling Tournament by Pre-United Club



Culturation: KDU International Students Society visits Tugu Negara



An evening with Iron Chef Thailand winner, Tom Halpin, organised by Club Grapevine



Career Exploration: Students visit BFM radio station



2015 Sports Carnival Launch with YB. Khairy Jamaludin, Minister of Youth and Sports, Malaysia



Dance routine by Performing Arts (PARTS) Club



Peer to Peer Training Camp



Voices of Moderation Youth Campaign



Culturation: KDU 2nd International Student Entrepreneurship Conference



KDU Sustainability Initiative



Blood Donation Drive by Leo Club



Feed the Soul Fest by the School of Communication & Creative Arts

# CAMPUS LIFE & FACILITIES

## KDU University College, Utropolis Glenmarie

KDU University College's 10-acre flagship campus at Utropolis Glenmarie was designed around the philosophy that learning is pragmatic and can happen anywhere!

The campus comprises of collaboration spaces and discussion cubes, along with state-of-the-art lecture halls and classrooms to allow the most productive conversation and dialogue. The extensive teaching facilities include the latest and fully equipped culinary kitchens, production studios and labs, student lounges and comprehensive Wi-Fi coverage.

We also understand the need for large spaces in order to nurture out-of-the-box ideas and thoughts, therefore there are open spaces abound with large atrium and multipurpose court. There is also a landscaped amphitheatre overseeing the multipurpose

court for spectators to get an up-close view of various sporting activities, gathering and events.

Just next door, the 21-acre development include the two-storey Marketplace with various retail outlets, complete with alfresco dining, entertainment outlets, grocers, banks and other services, as well as SOHOs (small office-home offices) and Utropolis Suites apartments, making it a beacon for residents and business executives in the neighbouring areas.



Utropolis is a live-and learn, work-and-play integrated university metropolis, modelled after the likes of student cities such as Oxford (UK) and Boston (USA).



KDU is a certified green campus with 16.3% green foot print. The campus has naturally-ventilated courtyards and corridors, and is fitted with various energy-efficient systems.



Our Student Residence is on-campus, comprising of a 7-storey block, with separate male and female wings, that accommodates up to 580 students.



The 50,000sq ft library encompasses three storeys, and includes a coffee bar, discussion areas and various learning pods.



| BASKETBALL COURT



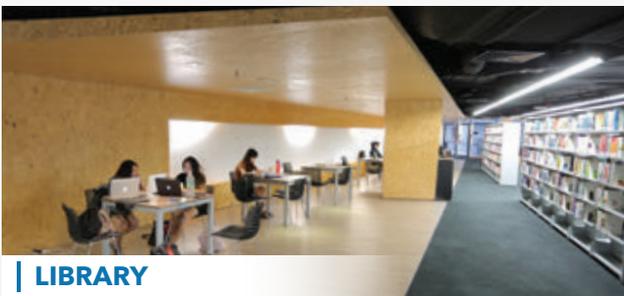
| LECTURE THEATRE



UTROPOLIS  
MARKETPLACE  
RETAIL MALL



| LEARNING PODS



| LIBRARY



| CAFÉ 8IGHTY 7EVEN



| COMPUTER LAB



| CAFETERIA



| STUDENT LOUNGE

## FACILITIES

- KDU FM  
Radio Broadcast Studio
- The Frame  
TV Production Station
- Creative Waves  
Radio Production & Recording Studio
- Shutters  
Photography Studio
- Pixel  
Mac Lab
- Engineering Labs
- Culinary Lecture Theatre
- Various culinary kitchens including hot, molecular, butchery & bakery kitchens
- Artisanat  
Kitchen Artistry Room
- Glace  
Ice Carvery
- Bacchus  
Wine Lab
- Equatorial Mock Suite
- Café 8ighty 7even by Coffex
- Dewakan
- Fine Dining Restaurant
- Mirabelle & Saveur  
Training Restaurants
- Area 51 Game Development Studio & Game Vault
- Multipurpose Hall
- Cafeteria
- Computer Labs
- Student Lounge
- Library
- Learning Pods
- Student Accommodation Village

Real world education meeting real world needs.  
Turn for your future.



# PARAMOUNT EDUCATION

Paramount Education is the education arm of Paramount Corporation Berhad (PCB), a public listed company with diverse interests and strong positions in property development, investment, construction and educational services.

It is a fully integrated education services provider, offering national and international curriculum in primary and secondary schools, through to undergraduate, postgraduate, as well as executive and professional development programmes.



Sekolah Sri KDU®



Sri KDU® International School

By Paramount Education  
**KDU UNIVERSITY COLLEGE SDN BHD 76997-T**  
**KDU COLLEGE (PJ) SDN BHD 879955-T**

All information provided in the 2019 KDU PROSPECTUS is up-to-date and accurate at the time of publication. KDU reserves the right to add and many any other alternations, as it may deem necessary.

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**KDU UNIVERSITY COLLEGE,  
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