Asia Pacific University of Technology & Innovation (APU), a leading Malaysian University has achieved a significant milestone by securing accreditation from the Quality Assurance Agency for Higher Education (QAA) in the United Kingdom. This accreditation underscores APU’s commitment to excellence, rigorous quality assurance processes, and student-centered education.

APU underwent a thorough review process conducted by independent reviewers appointed by QAA. This involved almost a year of intense preparation and preparation of documentation.

A comprehensive physical Audit was held at APU in March 2024. Based on the Audit, APU has been deemed to have achieved Accreditation by the QAA – the FIRST ever Malaysian University to have achieved this.

The Audit Panel confirmed that APU meets all ten UK and European Quality Assurance standards covering areas such as teaching & learning, student support, research, facilities, resources and governance.

APU Degrees will now be recognised on an equal basis with Degrees from UK Universities due to QAA Accreditation of APU as an QAA Accredited Institution.

APU graduates will benefit from this prestigious recognition of their qualifications in Malaysia, the UK and beyond.

APU’s commitment to continuous improvement and adherence to international best practices played a pivotal role in achieving this accreditation. QAA accreditation enhances APU’s global reputation and validates its commitment to quality education. APU will continue to uphold the QAA standards and strive for further excellence with pride.
## Facts regarding APU's achievements in the latest QS World University rankings:

- Ranked TOP 2.2% in the World
- Ranked #621-630 in the World
- Ranked No.179 in Asia
- Ranked No.1 for International Students in Malaysia
- Ranked No.16 in the World for International Students
- Ranked Top 200 for International Faculty in the World
- Ranked among Top 13 Universities in Malaysia
- Ranked among Top 6 Private Universities in Malaysia

(APU is the ONLY Malaysian University to achieve both QS 5-Stars Plus rating & being Ranked in QS World Rankings 2024)

## APU'S LIST OF FIRSTS:

1. Malaysian University to achieve Five Stars Plus in the latest QS Stars Rating
2. Local Institute awarded Multimedia Super Corridor Status
3. Institute awarded MSC Research & Development Grant
4. Institute awarded MS ISO 9002 Quality Certification
5. Institute appointed Novell Education Academic Partner
6. Institute appointed Authorised Sun Education Centre
7. Institute appointed Microsoft Training Partner
8. Institute listed in Enterprise 50 Award Programme
9. Institute appointed University Alliance Partner by SAP
10. XR Studio - Mixed & Extended Reality Infrastructure in Asia
11. Integrated Cybersecurity Talent Zone in Malaysia

(APU EMERGES AS THE FIRST QS 5-STARS PLUS UNIVERSITY IN MALAYSIA)

APU is the First Malaysian University to achieve an overall rating of Five Stars Plus in the latest QS Stars Rating awards that were presented at the QS Apple Conference on 1st Nov 2021. Five Stars Plus institution must achieve five stars across all categories in addition to achieving minimum highest benchmark score by QS STARS. APU is amongst 23 universities worldwide to achieve this honour.

(RANKED NO.1 FOR INTERNATIONAL STUDENTS IN MALAYSIA AND NO.16 IN THE WORLD)

APU is the ONLY Malaysian University to achieve the double distinction of achieving the QS 5-Stars Plus Rating as well as being Ranked in the QS World University Ranking 2024, where APU is ranked in the Top 2.2% in the World. APU is Ranked No.1 for International Students in Malaysia and No. 16 for International Students in the World.

(APU IS AWARDED 2024 EMPLOYERS’ CHOICE OF UNIVERSITY)

Renowned for its 100% employability rate among graduates, APU underlined its strengths by being selected as the 2024 Employers’ Choice of University in Talentbank’s annual survey of employers. Talentbank also announced that APU graduates were voted Champions of Employers’ Top Choice in the fields of Computing & IT, Game Design and Development, Animation, and Finance & Islamic Finance. Additionally, graduates of Actuarial Science, Mechatronic Engineering, Multimedia and Communication & Broadcasting are also employers’ preferred options with 6 Star Ratings.

(APU IS AWARDED BEST TECH UNIVERSITY & BEST FUTURE READY UNIVERSITY FOR 2024 - PC.COM AWARDS)

The PC.com Awards are prestigious accolades that recognise organisations that demonstrate excellence and leadership in the field of technology and innovation. In the 2024 Awards, Asia Pacific University of Technology & Innovation (APU) shone brightly, winning both the Best Tech University and Best Future Ready University awards, as voted by PC.com readers. This recognition reflects APU’s unwavering commitment in offering cutting-edge digital technology programmes & preparing students for the future. APU is a repeat winner, having also won the PC.Com Best Tech University Award in 2023.
QS defines rating as “The system evaluates universities across a wide range of important performance indicators as set against pre-established international standards. By covering a broader range of criteria than any world ranking exercise, QS Stars™ shines a light on both the excellence and the diversity of the rated institution”.

“The QS Stars university rating system audits and rates over 600 universities globally in a broader range of criteria than any world ranking exercise. Comprehensive audits are also independently carried out as part of the rating exercise. QS Stars™ shines a light on both the excellence and the diversity of the rated institution. Congratulations to Asia Pacific University (APU) for being the first-ever QS 5-Stars Plus rated institution in Malaysia and being 1 amongst 20 in the world.”

Leigh Kamolins - Head of Evaluation, QS Intelligence Unit
ENGINEERING

DEGREE PROGRAMMES

- Bachelor of Electrical & Electronic Engineering with Honours*
- Bachelor of Mechatronic Engineering with Honours*
- Bachelor of Mechanical Engineering with Honours
- Bachelor of Computer Engineering with Honours*
- Bachelor of Petroleum Engineering with Honours*

OUTSTANDING FACULTY AWARD

1 of 22 Premier Digital Tech Institutions

School of Computing & Technology | School of Engineering | School of Media, Arts and Design

MDEC: Malaysia Digital Economy Corporation

APIIT RATED 6-STARS (OUTSTANDING) RATING

APIIT was announced as one of the Top Private Colleges in Malaysia to attain 6-STAR (OUTSTANDING Rating) under the latest Ratings by the Ministry of Higher Education (MOHE) on 18th Dec 2020.

MYQUEST is a quality evaluation system assessed by MOHE to evaluate the quality of programmes offered by Malaysian private colleges.

APU amongst the Highest Rated Emerging Universities - 2019

SETARA

APU is a Premier Digital Tech Institution - Malaysia Digital Economy Corporation

The PC.com Awards are prestigious accolades that recognise organisations that demonstrate excellence and leadership in the field of technology and innovation. In the 2023 Awards, Asia Pacific University of Technology & Innovation (APU) shone brightly, winning both the Best Tech University and Best Future Ready University awards, as voted by PC.com readers. This recognition reflects APU’s unwavering commitment in offering cutting-edge digital technology programmes and preparing students for the future. APU is a repeat winner, having also won the PC.com Best Tech University Award in 2023.

APU - A 5-STAR (EXCELLENT) RATED INSTITUTION

APU has consistently received the highest ratings among emerging Universities through the SETARA Ratings exercise conducted by the Ministry of Higher Education, ever since the SETARA Ratings system was introduced, including having attained 5 STARS in the latest ratings announced in Dec 2020.

The SETARA ratings system employs a rigorous assessment methodology to rate an education institution’s three core functions, namely teaching, research and services.

APU IS A PREMIER DIGITAL TECH INSTITUTION - MALAYSIA DIGITAL ECONOMY CORPORATION

APU was among the first institute in Malaysia awarded Premier Digital Tech Institution status by the Malaysia Digital Economy Corporation (MDEC) and Ministry of Higher Education (MOHE). APU is recognised for its commitment to offer top-notch digital technology courses and ensuring our highly-skilled graduates continue to flourish and fill future digital job demands locally and globally.

APU IS AWARDED BEST TECH UNIVERSITY & BEST FUTURE READY UNIVERSITY FOR 2024 - PC.COM AWARDS

The PC.com Awards are prestigious accolades that recognise organisations that demonstrate excellence and leadership in the field of technology and innovation. In the 2023 Awards, Asia Pacific University of Technology & Innovation (APU) shone brightly, winning both the Best Tech University and Best Future Ready University awards, as voted by PC.com readers. This recognition reflects APU’s unwavering commitment in offering cutting-edge digital technology programmes and preparing students for the future. APU is a repeat winner, having also won the PC.com Best Tech University Award in 2023.

APU - FIRST EVER MALAYSIAN UNIVERSITY WITH QAA UK ACCREDITATION
Asia Pacific University of Technology & Innovation (APU) is amongst Malaysia’s Premier Private Universities, and is where a unique fusion of technology, innovation and creativity works effectively towards preparing professional graduates for significant roles in business and society globally.

APU’s iconic campus is setting a new benchmark for design excellence among Malaysian Universities, combining an eco-friendly campus with a dynamic blend of technology and innovation to enable professional learning. It is a magnificent teaching & learning space for our students & staff designed by our award-winning architects & consultants.

An ultra-modern campus built today for the needs of tomorrow

Asia Pacific University of Technology & Innovation (APU)’s Ultra-Modern University Campus in MRANTI - Technology Park Malaysia is designed to be the state-of-the-art teaching, learning and research facility providing a conducive environment for students and staff. TPM is the ideal location for this new and contemporary campus due to its strong positioning as Malaysia’s primary hub for leading-edge and high-tech developments in a wide variety of areas. It is also located in one of the most rapidly developing areas in Kuala Lumpur, and is well served and accessible through major highways, MRT and other forms of public transportation.

APU has earned an enviable reputation as an award-winning University through its achievements in winning a host of prestigious awards at national and international levels.

Malaysia’s Award Winning University
• A Stylish Blend of Functionality & Accessibility
• A Unique Fusion of Technology, Innovation and Creativity
• Cutting-edge Technologies
• A Wide Variety of Spaces to Learn, Engage & Transform

Ranked No.1 for International Students in Malaysia
First in Malaysia to Achieve 5-Stars Plus in QS University Ratings
More than 80,000 Graduates Employed & Alumni

* Latest Graduate Tracer Study by Ministry of Higher Education, Malaysia
Regardless of the programme you choose, you will be supported by highly qualified and enthusiastic professionals. Many enjoy an international reputation for their research and actively engage with leading names in the industry.

100% of our graduates are employed by graduation*; this is not just a number, but a significant symbol of our success and pride in nurturing professionals for global careers.

* Latest Graduate Tracer Study by Ministry of Higher Education, Malaysia.
A Truly International Community

With students from over 130 countries, we ensure that you will gain memorable experiences alongside the diversified and colourful cultural environment. We have students from Asia, Central Asia, Middle East, Africa, Europe, Latin America and Oceania. Our International Students Support Centre helps you with the procedure to apply for your Student Pass before coming here. Upon arrival in Kuala Lumpur, you will be greeted with warmth by our friendly staff, who will pick you up and bring you to our campus.

Student Welcome Team

The Student Welcome Team was established by Asia Pacific University of Technology & Innovation (APU) to improve the arrival experience of international students in Malaysia. "Warm Welcome, Warm Hello, Warm What’s up" is the theme of this ASK ME Team.

A Hub of Cultural Diversity

Being a university student can be one of your most exciting expeditions. Higher education opens up a world of new ideas, intellectual growth, new adventures and the building of lifelong friendships. Here at APU, we support you to take the time to explore not only the educational experiences but also the wide range of social, sporting and cultural activities on campus.

RANKED #1 for International Students in Malaysia #16 in the World
QS World University Rankings 2024

Just like the beautiful country in which we are located, APU is a rich blend of traditional and modern styles. We have developed a singular character to embrace those things that set us apart. We pride ourselves on the quality of both our teaching and research as well as having a unique living and learning environment.

Student Life @ APU

Being a university student can be one of your most exciting expeditions. Higher education opens up a world of new ideas, intellectual growth, new adventures and the building of lifelong friendships. Here at APU, we support you to take the time to explore not only the educational experiences but also the wide range of social, sporting and cultural activities on campus.
World-class Facilities @ APU

APU provides access to world-class resources across a wide range of disciplines. This translates into industry-ready skills and a competitive edge for graduates.

An Integrated Community
The campus aims to establish a community aspect for the university - where integration is the key. Walkways, classrooms, communal spaces and discussion areas promote connectivity and cultivates exchange of ideas among students from different disciplines and academics, to implement cooperative learning concepts in line with the Industrial Revolution 4.0.

Our campus is well-situated in a high-technology environment, and is equipped to enable every student to get the most out of your study experience at APU.

Cutting-Edge Technologies

The Campus blends technology, integration, innovation and creativity under one roof. It provides not just a learning environment, but also a lively community spot for our students to formulate new ideas, gain intellectual growth and discover new adventures. It is not only a university campus, but also the nurturing ground for world-changing global ideas. All spaces are carefully designed to create an unforgettable learning and lifestyle experience that lasts for a lifetime, while enabling professional learning and cultivating global mindsets. APU, as Malaysia’s leading technological university, is the incubator for self-starting and innovative APU graduates. Our educational technology environment supports the development of graduates of this calibre, in which well-equipped computing and engineering laboratories with advanced software, hardware and technologies place students at the forefront of technological excellence.

Social Interaction Platforms
Fitness Sweatzone, student lounges, sports facilities and breakout rooms provide spaces for relaxation and socialisation throughout the day. They are carefully designed to create an unforgettable learning and lifestyle experience that lasts for a lifetime, especially for students who are studying away from home.
Our Partner in Quality

De Montfort University (DMU), UK

De Montfort University Leicester (DMU) is a dynamic, 21st-century UK university with a global outlook based in the city of Leicester which is a great place to be a student.

Find your new home at DMU

At DMU, our supportive and nurturing community will empower you to realise your dreams. Our courses are carefully designed and taught by expert academics to help you gain the skills needed to enter today’s competitive jobs market and succeed in your career. The university is organised into four faculties; Arts, Design and Humanities, Business and Law, Health and Life Sciences and Computing, Engineering and Media.

Our award-winning careers and employability service, DMU Works provides guaranteed work experience opportunities, including placements, internships and career mentoring.

Why choose DMU?

- DMU has over 150 years of history in providing higher education to students from around the globe.
- Leicester offers everything students could need and it has been named the fourth most vibrant city in the UK (Top Cities Vibrancy Report, 2022), as well as the best city in the East Midlands region to live and work (Good Growth for Cities Index, 2022).
- DMU has been awarded a second term as a United Nations Academic Impact (UNAI) global hub for Sustainable Development Goals (SDGs), aimed at transforming lives around the world.
- Each year, international students from more than 130 countries choose to study at DMU.
Double your Advantage

APU-DMU Dual Degree Programme

- APU’s partnership with DMU enables students to be awarded Dual Awards - separate degree certificates from each institution - and enhances not just teaching and learning experiences, but also career prospects.
- Upon graduation, students will receive 2 Degree Certificates & Transcripts: 1 from APU, Malaysia and 1 from DMU, UK
- DMU Degree Certificate will be an MEng Award
- Both degrees are recognised locally & internationally
- The APU-DMU Dual Degree Programmes are offered under an approved collaboration in accordance with the QAA UK Quality Code for Higher Education for the Assurance of Academic Quality and Standards in Higher Education as published by the United Kingdom Quality Assurance Agency (QAA).

MEng Award by De Montfort University (DMU), UK
ENGINEERING DEGREES ACCREDITED UNDER THE WASHINGTON ACCORD

APU Engineering Degrees are fully accredited by the Board of Engineers Malaysia (BEM) which is a signatory to the Washington Accord.

APU Engineering Degrees are Accredited Professionally by the Board of Engineers Malaysia (BEM) and are therefore recognised internationally under the Washington Accord. Recognition under the Washington Accord allows for APU engineering programmes to be recognised by countries such as Australia, Canada, China, Chile, Costa Rica, Hong Kong China, India, Indonesia, Ireland, Japan, Korea, Malaysia, Mexico, New Zealand, Pakistan, Peru, Russia, Singapore, Sri Lanka, South Africa, Turkey, the United Kingdom and the United States who are all signatories of the accord.

This allows APU graduates to be recognised in these countries for career opportunities towards achieving Professional/Chartered Engineer status or for further education progression. Furthermore, many countries which are not yet signatories to the Washington Accord also use this as a benchmark in recognising Engineering Degrees.

This accreditation ensures that APU Engineering Graduates will have the following benefits in countries who are signatories of the Washington Accord:

- Opportunities to register as a Graduate Engineer with Board of Engineers Malaysia (BEM) or the relevant professional bodies in other countries who are signatories under the Washington Accord.
- Pathways to becoming a Professional or Chartered Engineer.
- Assurance that graduates are considered as having met international academic standards for engineering practice.

With this achievement, recognition under the Washington Accord enables APU Engineering graduates to work in any country in the world who are also a signatory to the Accord, without the need to re-qualify. The recognition is of utmost importance to the engineering education in Malaysia as graduates from accredited engineering degree programmes from Washington Accord signatory countries are considered as meeting the academic standard for practices in engineering at the international level.

Please refer to https://www.ieagreements.org/accords/washington/.

The above benefits are applicable in the following countries, which are signatory to the Washington Accord:

“Signatories have full rights of participation in the Accord, qualifications accredited or recognised by other signatories are recognised by each signatory as being substantially equivalent to accredited or recognised qualifications within its own jurisdiction”
https://www.ieagreements.org/accords/washington/signatories/

INTERNATIONAL RECOGNITION

ENGINEERING DEGREES ACCREDITED UNDER THE WASHINGTON ACCORD

WORLDWIDE RECOGNITION

APU Engineering Degrees are fully accredited by the Board of Engineers Malaysia (BEM) which is a signatory to the Washington Accord.

- Bachelor of Electrical & Electronic Engineering with Honours
- Bachelor of Mechatronic Engineering with Honours
- Bachelor of Computer Engineering with Honours
- Bachelor of Petroleum Engineering with Honours

“Organisations holding provisional status have been identified as having qualification accreditation or recognition procedures that are potentially suitable for the purposes of the Accord; these organisations are further developing those procedures with the goal of achieving signatory status in due course; qualifications accredited or recognised by organisations holding provisional status are not recognised by the signatories”
https://www.ieagreements.org/accords/washington/signatories/

- Bangladesh - Represented by The Institution of Engineers Bangladesh (IEB)
- Chile - Represented by Agencia Acreditadora Colegio De Ingenieros De Chile S A (ACREDITA-CI)
- Myanmar - Represented by Myanmar Engineering Council (MENG)
- Nigeria - Represented by Council for the Regulation of Engineering in Nigeria (COREN)
- Philippines - Represented by Philippine Technological Council (PTC)
- Thailand - Represented by Council of Engineers Thailand (CET)
- Saudi Arabia - Represented by Education and Training Evaluation Commission (ETEC)

The School of Engineering at APU is one of our fastest growing schools and is gaining popularity among school leavers. This is because all the five engineering programmes offered by the School are current in terms of technology and are market driven, and thus have great employment opportunities.

The vision of the School is to be a leading provider of Engineering and Technology based education with innovative approaches to enhancing lifelong career opportunities. This is emphasised by our mission to provide engineering education based on a theoretical, experimental, and ethical foundation and enhanced by opportunities for participation in research, internships and interdisciplinary study.

For all degrees within the School, APU links with industry helps provide internship training placements for students. Internships are compulsory for all students as per the requirement of the Board of Engineers Malaysia.

- Australia - Engineers Australia (1989)
- Canada - Engineers Canada (1989)
- China - Chinese Association for Science and Technology (2016)
- Chinese Taipei - Institute of Engineering Education Taichung (2007)
- Hong Kong China - The Hong Kong Institution of Engineers (1995)
- India - National Board of Accreditation (2014)
- Indonesia - National Board of Accreditation for Engineering Education (NBABE) (2019)
- Ireland - Engineers Ireland (1989)
- Japan - Japan Accreditation Board for Engineering Education (2005)
- Korea - Accreditation Board for Engineering Education of Korea (2007)
- Malaysia - Board of Engineers Malaysia (2009)
- Mexico - Consejo de Acreditacion de la Ensenanza de la Ingenieria (CACEI) (2016)
- New Zealand - Institution of Professional Engineers NZ (1989)
- Pakistan - Pakistan Engineering Council (2017)
- Peru - Instituto de Calidad Y Acreditacion de Programas de Computacion, Ingenieria Y Tecnologia (ICACIT) (2018)
- Philippines - Represented by Philippine Technological Council (PTC)
- Thailand - Represented by Council of Engineers Thailand (CET)
- Saudi Arabia - Represented by Education and Training Evaluation Commission (ETEC)
- South Africa - Engineering Council of South Africa (1999)
- Sri Lanka - Institution of Engineers Sri Lanka (2014)
- Turkey - MUDEK (2011)
- United States - Accreditation Board for Engineering and Technology (1999)
- United States - Accreditation Board for Engineering and Technology (1999)
- United States - Accreditation Board for Engineering and Technology (1999)
- United States - Accreditation Board for Engineering and Technology (1999)
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Please note that under Ministry of Higher Education regulations, only students who have achieved the minimum requirement in the English Language proficiency assessment as indicated above will be allowed to continue their studies in the main study programme. Students who do not have the required English Language achievement may apply for a student visa on conditional basis and are allowed to enrol in an English Language Certification programme at APU upon arrival in Malaysia and, subsequently, appear for the IELTS/TOEFL/PTE/MUET assessment.

Students who are unable to obtain the required level of English Competency during the maximum 12 months’ period, will not be allowed to pursue their studies in the main programme and will have to return to their home country.

Students from English speaking countries and those with qualifications taught in English (IGCSE, A-Levels, IB, American High School Diploma etc) are exempted from English requirements. Applications for exemption must be accompanied by supporting documents.

Note: The above entry requirements may differ for specific programmes based on the latest programme standards published by Malaysia Qualifications Agency (MQA).
Foundation Programme – Flexibility of Choice

MODULES YOU STUDY

The modules studied help develop your study skills, introduce you to what you can expect on your degree, and also allow you to discover what you can study depending on whether you choose a degree in Accounting, Banking, Finance, Actuarial Studies, Psychology, Business & Management, Computing & Technology, Engineering, Industrial Design, Animation and Visual Effects.

You may then proceed to Level 1 of a Degree of your choice in the following pathways

Your Foundation Pathway to a Degree of your Choice (Please refer to individual course brochure for details and admission requirements.)

CREDIT / GRADE C in SPM / O-Level / IGCSE is required in:

Mathematics

Physics OR Chemistry OR Technical Science

Credit / SPM / O-Level / IGCSE is required in:

Mathematics

Physics OR Chemistry OR Technical Science

Credit / SPM / O-Level / IGCSE is required in:

Mathematics

Science OR Physics OR Chemistry OR Biology

Credit / SPM / O-Level / IGCSE is required in:

Mathematics

Students who choose to progress to Computer Science, Software Engineering, Data Analytics, Cyber Security, Digital Forensics and Artificial Intelligence programmes will be required to undertake Foundation Pathways from the Computing & Technology module if the student does not meet the entry requirements.

Students who have completed Foundation from other routes apart from the above are required to do a Pre-Requisite module.

Further Mathematics module is compulsory for students who choose to progress to Bachelor of Science (Honours) in Actuarial Studies.

MHz

Business, Management, Marketing, Digital Marketing & Tourism

Business, Management, Marketing, Digital Marketing & Tourism

Business, Management, Marketing, Digital Marketing & Tourism

Business, Management, Marketing, Digital Marketing & Tourism

Business, Management, Marketing, Digital Marketing & Tourism
Upon successful completion of the APU Engineering Diploma and fulfilment of requirements for Credit Transfer, subject to the approval of the APU Academic Board, you will be eligible to progress into Year 2 of any of the following degree programmes offered at APU.

* For the full listing of our Diploma Programmes, please refer to the Pre-University programme brochure.

- Bachelor of Electrical & Electronic Engineering with Honours
- Bachelor of Mechatronic Engineering with Honours
- Bachelor of Mechanical Engineering with Honours
- Bachelor of Computer Engineering with Honours
- Bachelor of Petroleum Engineering with Honours

**OUR DIPLOMA PROGRAMME:**

- Diploma in Mechatronic Engineering

* Pathways after Diploma Programme vary accordingly.*
THE AIMS OF THE APU ENGINEERING PROGRAMMES ARE TO OFFER:

- A broad education in the fundamentals of engineering principles and professional practices that form a strong flexible base which enables graduates to fill a variety of responsible engineering positions.

- Specialised development in one area of concentration that will enable graduates to successfully perform at entry-level engineering positions. Some graduates will prefer and be capable of continuing their education in a graduate school.

- A stimulating and accessible course of study necessary to understand the impact of engineering solutions in a global and social context, analysis and contemporary engineering issues which the students can develop and apply in their near future work.

- An opportunity for students with different abilities and different educational experiences to benefit intellectually and vocationally from their education in engineering courses.

- Graduates who are able to demonstrate intelligence, ingenuity, inventiveness, and independence in all areas of endeavour.

- An intellectually demanding and stimulating programme of study and develop a life-long commitment to learning that develops critical thinking, logical reasoning, problem-solving, and effective communication skills.

- A stimulating and accessible course of study necessary to understand the impact of engineering solutions in a global and social context, analysis and contemporary engineering issues which the students can develop and apply in their near future work.

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APU Engineering Degrees are accredited by the Board of Engineers Malaysia (BEM).

THE FIVE “I’s” MODEL™

1. INNOVATION
   - Through developing your knowledge and also your abilities to communicate effectively and persuasively.

2. INTEGRATION
   - Through developing your capabilities to integrate knowledge and to work in multidisciplinary teams.

3. INFORMATION
   - Through developing your knowledge and also your abilities to communicate effectively and persuasively.

4. INTERACTIVITY
   - Through the use of group work to develop your teamwork skills and through the use of technology to achieve interactivity of devices and people.

5. IMAGINATION
   - In relation to new products, ideas, applications and solutions.

ENGINEERING PROGRAMMES

Bachelor of Electrical & Electronic Engineering with Honours

An Electrical or Electronic Engineer may be responsible for research, design, development, manufacturing and management of complex hardware and software systems and related, cost-effective devices, many involving the use of new information and computer-intensive technologies. These include:

- Manufacturing
- Microelectronics
- Photovoltaic

Bachelor of Mechatronic Engineering with Honours

Mechatronic Engineering is concerned with the creation, design and building of intelligent machines. This new breed of engineer has to master skills in mechanical, electronic and computer engineering and work in a hybrid manner, meeting an ever-increasing need in industry where complexity of projects is rising and resources are limited. The main areas of activity are:

- Fundamental design and build - ways of embedding intelligence and interfacing to the real world
- Process control - plant condition monitoring and control
- Control engineering - systems which work directly with sensors and actuators

Bachelor of Computer Engineering with Honours

Computer engineering has emerged as a driving force addressing numerous global demands like smart grids, cognitive buildings, energy management and the likes. Operating platforms for more and more applications have been migrating to the cloud in recent days. Bridging the gap between hardware and software, are Computer Engineers, advancing computer technology towards transforming more and more of these cyber dreams into realities. Some of the areas covered in this major are:

- Microcontroller Selection and Programming
- Signal Processing

Bachelor of Petroleum Engineering with Honours

Petroleum engineers travel to where petroleum reservoirs are known to exist. They define and develop the reservoirs, and produce and market oil and gas with maximum profitable recovery. Petroleum engineering allows one to specialise in several different oil & gas specialties, each with its own unique challenges and rewards. The careers and job activity areas are as a:

- Drilling engineer, working with geologists and contractors in designing and supervising drilling operations.
- Production engineer, developing processes and equipment to optimise oil and gas production.
- Reservoir engineer helps determine ideal recovery processes, estimate the number of wells that can be economically drilled, and simulate future performance using sophisticated computer models.

Bachelor of Mechanical Engineering with Honours

Mechanical Engineer plays a vital role in various industries by applying their expertise in designing, analysing, and maintaining mechanical systems and devices. This profession is at the heart of innovation, as mechanical engineers contribute to the development of cutting-edge technologies of the improving everyday living. Here’s a brief overview of the role of a Mechanical Engineer:

- Automotive Design and Development
- Analysis and Testing of Machines
- Thermo fluids Problem Solving
- Prototyping and Manufacturing
- Project Management

Bachelor of APU Engineering with Honours

Mechanical Engineering programs are designed to provide students with a comprehensive understanding of the principles and practices of the field. The programs offer students the opportunity to specialize in areas such as manufacturing, mechatronics, and robotics. The programs also emphasize the importance of developing critical thinking and problem-solving skills, as well as the ability to work effectively in teams.

Josephine Chia Cheng Chiang

Programmes Director
PROGRAMME EDUCATIONAL OBJECTIVES

<table>
<thead>
<tr>
<th>PE0</th>
<th>ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)</th>
<th>MECHATRONIC ENGINEERING (ME)</th>
<th>MECHANICAL ENGINEERING (ME)</th>
<th>COMPUTER ENGINEERING (CE)</th>
<th>PETROLEUM ENGINEERING (PE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE01</td>
<td>Be a practicing engineer contributing to the development of Electrical or Electronic Engineering while demonstrating professionalism.</td>
<td>Be a practicing engineer contributing to the development of Mechatronic Engineering while demonstrating professionalism.</td>
<td>Be a practicing engineer contributing to the development of Mechanical Engineering while demonstrating professionalism.</td>
<td>Be a practicing engineer contributing to the development of Computer Engineering while demonstrating professionalism.</td>
<td>Be a practicing engineer contributing to the development of Petroleum Engineering while demonstrating professionalism.</td>
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PROGRAMME LEARNING OUTCOMES

The students, upon completion of their study, should attain the following outcomes:

PL01 - Ability to gain and apply principles of Mathematics, Science and Engineering to the solutions of complex engineering problems.

PL02 - Ability to undertake complex engineering problem analysis and apply engineering principles to solve them.

PL03 - Ability to design innovative solutions for complex engineering problems.

PL04 - Ability to investigate complex engineering problems using research techniques.

PL05 - Ability to select and use suitable tools and techniques for complex engineering problems.

PL06 - Ability to engage in professional engineering practice for safety, health, social, cultural and legal responsibilities in developing solutions for complex engineering problems.

PL07 - Ability to comprehend and demonstrate good practices of engineering in sustainable development and environmental considerations for the solutions of complex engineering problems.

PL08 - Ability to execute the responsibilities of an Engineer professionally and ethically.

PL09 - Ability to function effectively as a team leader or a member in a team within multi-disciplinary settings.

PL10D - Ability to communicate effectively and professionally on complex engineering activities.

PL10I - Ability to demonstrate entrepreneurship skills, engineering project management and economic decision making in multidisciplinary environments.

PL10A - Ability to recognise the need for and be able to engage in independent and life-long learning towards continuous professional development.

The School of Engineering at APU is very active in pursuing collaborative partnership with industries with an aim to expose students to professional engineering practices as early as possible in their studies and to provide students opportunities to solve real-world engineering problems as a form of grooming for engineering careers upon graduation. The School of Engineering has been collaborating with industries on two fronts, i.e. to work with professional and industrial institutions, and with multinational corporations and small & medium enterprises (SMEs).

On collaboration with professional institutions, the School of Engineering collaborate closely with the Institution of Engineers Malaysia (IEM). Since then, IEM has been very supportive on all activities organised by the IEM-APU Student Section (ASS) via funding and provision of expertise on technical talks, seminars and workshops. All engineering students are also highly encouraged to participate in IEM activities as Student Member of the Institute. The strong ties with IEM has provided students an early appreciation of the roles of engineers and the challenges ahead. For 4 consecutive years, our Final Year students were awarded the IEM Gold Medal Award in which their excellence and outstanding performance were highly recognised by IEM and the members of the industry.

The School of Engineering has also established a MOU with Malaysia Automation Technology Association (MATA) with an aim to expose students to automation technologies via internships, workshops, technical talks and opportunities to work on final-year projects at member companies of MATA. The partnership with MATA has been going from strength-to-strength since 2014, with the successful launch of Automation Technology Day both in 2015 and 2016. The event has provided students great opportunities to seek employment and internship with some of the MATA member companies such as Schneider Electric, Siemens, Festo, Omron, among others. In addition, students also benefitted from the technical talks on Industrial 4.0, Internet of Things (IoT) and workshops on PLC & Pneumatics.

The School of Engineering also champions industrial collaboration with companies, be it multinational corporations or SMEs. The companies typically provide final-year project (FFY) titles for qualified 4th Year students to work on. A number of projects have been initiated and completed successfully with companies such as Top Glove, ABB, Daikin R&D, Mawea Industries, ERL Maintenance Support, Signal Transmission, among others. In addition, many such projects resulted from the proactive efforts of the lecturers in establishing Memorandum of Agreements (MOA) with companies. All these have resulted in a win-win situation whereby companies benefit from the outcome of the research and development efforts while students are able to solve real-world complex engineering problems by leveraging on resources and expertise from the industries.

Students from Asia Pacific University of Technology & Innovation (APU) School of Engineering & Advanced Technology (STEAT) and Center for Research and Development (COR) were awarded 11 awards/medals in three different events at WICO 2023. Students from Asia Pacific University of Technology & Innovation (APU) School of Engineering & Advanced Technology (STEAT) and Center for Research and Development (COR) were awarded 11 awards/medals in three different events at WICO 2023.

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Recreate the AI-powered drone that’s taking disaster management by storm! The next major competition was the Malaysia Drone Innovation technical award at WICO 2023 and advanced to the finals Business plan competition of the DB-SNUbiz Global Startup Challenge 2023 and advanced to the finals Business plan competition of the DB-SNUbiz Global Startup Challenge 2023.

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RescueAI, the AI-powered drone that’s taking disaster management by storm! The next major competition was the Malaysia Drone Innovation technical award at WICO 2023 and advanced to the finals Business plan competition of the DB-SNUbiz Global Startup Challenge 2023.
Embracing the wave of Industry Revolution 4.0

FUTURE-PROOFING THE WORKFORCE OF THE FUTURE

New waves of technological disruptions and the emergence of advanced technologies have resulted in the Fourth Industrial Revolution (IR4.0), where Robotics, Artificial Intelligence (AI), Machine Learning, Virtual Reality (VR), Cloud Engineering, Internet of Things (IoT), Data Science are going to transform the way businesses operate – routine, mundane jobs will be replaced and there is a growing need to develop "smarter" talents that can ride along the wave of digital transformation.

At APU, we developed our own IR 4.0 strategy to prepare our students to join the workforce of the future. We nurture the world’s future innovators and uphold our Vision as a University of Technology and Innovation.

Innovative Teaching & Learning
State-of-the-Art Infrastructure

In the era of Industry 4.0, learning is no longer confined within the classroom. Our iconic campus houses world-class facilities that aim to nurture Creativity & Innovation. Industrial-grade infrastructure are built to provide real-life exposure to our students, cultivating their practical skills aside from academic knowledge. We have also redesigned our teaching & learning methods to stimulate critical thinking, decision making, teamwork and build confidence.

Revolutionary Programmes Designed for the Future

New technologies mean new expertise, while this translates into a new need of talents in new areas. We address the needs of the industry, to help to build talents who can manage, operate and innovate under the new IR 4.0 environment, by carefully designing new programmes of the future. Our programmes are first-of-its-kind, such as in Cyber Security, Data Science, Internet of Things (IoT), Artificial Intelligence (AI), Digital Leadership, Digital Transformation, Sustainable Computing, VR/AR, Financial Technology (FinTech), Accounting Technology (AccTech), Digital Marketing, E-Business, Mechatronics, Computer Engineering, Cloud Engineering and more.

Industry-Academic Partnership

Industry 4.0 is all about the "industry". Our close relationship with our industry partners allows students to be exposed to real-life case studies, enabling them to formulate innovative solutions even before they graduate. Innovative accelerators such as GrowthX Academy and Supercharger create a platform for students to realize their world-changing ideas, inspiring them to build startups and develop world-changing solutions.

Professional Development with Global Outlook

Communication skills, professionalism and cultural sensitivity are 'people' element skills that cannot be replaced by machines and automation. Under our unique formula to nurture professionalism, we create an ecosystem that simulates the workplace on-campus. Global outlook, international understanding and respect are nurtured through continuous immersion in multicultural discourse, as our campus houses a community of 12,000 students from over 130 countries.
Bachelor of ELECTRICAL & ELECTRONIC ENGINEERING
with Honours

At a glance

YEAR 1
Common Modules
- Engineering Mathematics
- Instrumentation & Measurement
- Programming with Python
- Engineering Mathematics 1
- Introduction to C Programming
- Engineering Mathematics 2
- Digital Electronics
- Microcontroller Systems & Applications
- Digital Signal Processing
- Electromagnetic Field Theory
- Signals & Linear Systems

YEAR 2
Common Modules
- Digital Electronics
- Engineering Mathematics 3
- Engineering Software & Applications
- Innovation Process
- Analog Electronics
- Electromagnetic Field Theory
- Signals & Linear Systems

Specialised Modules
- Electrical Machines 1
- Electrical Machines 2
- Electrical Power Utilization

YEAR 3
Common Modules
- Control Engineering
- Control Systems
- Communication Engineering
- Microcontroller Systems & Embedded Software
- Digital Signal Processing
- Signal Generation & Analysis
- Software Engineering
- Embedded Software
- Electrical Machines 1
- Electrical Machines 2
- Electrical Power Utilization

YEAR 4
Common Modules
- Project Phase 1 (Preparation)
- Group Design Project 1
- Group Design Project 2
- Project Phase 2 (Implementation)
- Engineer in Society

Specialised Modules
- Switches & Protection
- Power System Analysis
- High Voltage Engineering

Extension Pathway
- Choose 3 modules from Minor Pathway OR Extension Pathway as described in the table.

INTERNSHIP
Students will undertake an Internship/Industrial Training for a minimum period of 16 weeks to prepare them for a smooth transition from the classroom to the working environment.

ELECTRICAL & ELECTRONIC ENGINEERING MINOR/EXTENSION PATHWAYS

Extension Pathway - Expand depth of knowledge by taking three (3) set modules in a specific area within a certain field of study. There are several packages available undertaken from Year 3 Semester 2 Year 4 Semester 1 and Year 4 Semester 2.

MINOR PATHWAY

<table>
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Future Proof Engineers for the Real World

In APU, employment and it’s continual sustainability is of paramount importance to us. The range of minor and extensions offered to all students within the School of Engineering will craft a formidable way forward for the young aspiring engineers of tomorrow. These options allow students to embark on a journey of exploration either within the engineering fraternity by venturing towards greater depth (extensions) niche knowledge, skills and attributes required for the practice of contemporary engineering or explore wider options (minor) that is pivotal in the fundamental proliferation of the engineering profession as a whole when coupled with other current multidisciplinary fields of study. A successful completion of either pathways future proves the students allowing them to embark on a journey of rewarding careers within an engineering discipline of their choice.

Minor Pathway - Gain breadth of knowledge by taking 3 set modules outside of a particular major field of study. There are several packages available undertaken from Year 3 Semester 2 Year 4 Semester 1 and Year 4 Semester 2.

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Extension Pathway - Expand depth of knowledge by taking three (3) set modules in a specific area within a certain field of study. There are several packages available undertaken from Year 3 Semester 2 Year 4 Semester 1 and Year 4 Semester 2.

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Bachelor of MECHATRONIC ENGINEERING with Honours

Module outline

YEAR 1

Common Modules
Analysis of Circuits
Instrumentation & Measurement
Fundamentals of Entrepreneurship
Engineering Mathematics 1
Engineering Mathematics 2
Introduction to C Programming
Programming with Python
Engineering Materials
Engineering Design
Engineering Statics & Dynamics

Specialised Modules
Fluid Mechanics
Thermodynamics and Heat Transfer
Sensors & Actuators

YEAR 2

Common Modules
Analogue Electronics
Digital Electronics
Introduction to Electrical Systems
Electromagnetic Field Theory
Engineering Software & Applications
Signals and Linear Systems

Specialised Modules
Fluid Mechanics
Thermodynamics and Heat Transfer
Sensors & Actuators

YEAR 3

Specialised knowledge and skills in the areas of Control Engineering, Communication Engineering Principles, Microprocessor Systems & Embedded Software, Machine Design, Fluid Mechanics, Industrial Automation and Machine Vision & Intelligence are the critical focus of this level. This is a further development of the ability to apply relevant engineering skills with strong critical thinking and analysis. Independent learning continues in all modules.

INTERNSHIP

Students will undertake an Internship/Industrial Training for a minimum period of 16 weeks to prepare them for a smooth transition from the classroom to the working environment.

YEAR 4

The final year Engineering modules provide the necessary industry application and technological skills which become very useful for employment upon graduation. Students personal and professional development, technical capability and understanding of how to innovate, generate and manage the creation of new ideas will be enhanced. Students will deliver several Engineering Projects where they will demonstrate higher level critical thinking, analysis and solutions development skills which will enhance their employability.

MECHATRONIC ENGINEERING MINOR/EXTENSION PATHWAYS

Future Proof Engineers for the Real World

In AUU, employment and its continual sustainability is of paramount importance to us. The range of minor and extensions offered to all students within the School of Engineering will craft a formidable way forward for the young aspiring engineers of tomorrow. These options allow students to embark on a journey of exploration within the engineering fraternity by choosing their own greater depth (extensions) niche knowledge, skills and attributes required for the practice of contemporary engineering or explore wider options (minor) that are pivotal in the fundamental proliferation of the engineering profession as a whole when coupled with other current multidisciplinary fields of expertise. Successful completion of either pathways future proof the students allowing them to embark on a journey of rewarding careers within an engineering discipline of their choice.

Minor Pathway – Gain breadth of knowledge by taking 3 set modules outside of a particular major field of study. There are minor packages available undertaken from Year 3 Semester 2 to Year 4 Semester 1 and Year 4 Semester 2.

Extension Pathway – Expand depth of knowledge by taking three (3) set modules in a specific area within a certain field of study. There are extensions available undertaken from Year 5 Semester 2, Year 4 Semester 1 and Year 4 Semester 2.

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<tr>
<td>Unmanned Aerial Vehicles</td>
<td>Machine Vision Intelligence</td>
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At a glance

Students will understand the basic principles of engineering in the areas of Circuit Analysis, Engineering Materials, Instrumentation & Measurement and Engineering Design. Other modules aim to provide the basic academic skills required to meet the demands of employers, as well as thorough grounding in principles of if and entrepreneurship. Important and relevant skills for managing activities and for their own independent learning are also introduced.

Career options

• Automation Engineer
• Mechatronic Engineer
• Mechanical Engineer
• Service Engineer
• QA/QC Engineer
• Sales Engineer
• Survey Engineer
• R&D Engineer
• Manufacturing Engineer
• Robotics Engineer
• Plant Engineer
• Design Engineer

(All students are required to successfully complete these modules as stipulated by the Malaysian Qualification Agency.)
Career options

- Mechanical Engineer
- Product Development Engineer
- HVAC (heating, ventilation, and air conditioning) Engineer
- Automotive Engineer
- Aerospace Engineer
- Energy Engineer
- Manufacturing Engineer
- Robotics Engineer
- Research and Development Engineer
- Process Engineer
- Value Engineer
- Steam Engineer
- Automation Engineer
- Oil and Gas Engineer
- Drilling Engineer

YEAR 1

Common Modules
- Engineering Materials
- Instrumentation and Measurement
- Programming with Python
- Engineering Design
- Engineering Mathematics 1
- Manufacturing Technology
- Energy Engineering
- Thermo-fluidics
- Fundamentals of Entrepreneurship

YEAR 2

Common Modules
- Digital Electronics
- Engineering Mathematics 3
- Introduction to Electrical Systems
- Strength of Materials
- Fluid Mechanics
- Innovation Processes
- Safety in Oil and Gas Engineering
- Formation Evaluation and Well Logging
- Petroleum Geoscience

YEAR 3

Specialised knowledge and skills in the areas of Control Engineering, Venture Building, Mechanics of Machine, Design of Mechanical Systems, Industrial Automation, Microporous Systems & Embedded Software, Advanced Manufacturing Technology, Computer Aided Engineering are critical focus of this level. Elective modules included Machine Vision and Intelligence, Gas Engineering, Enhanced Oil Recovery a further development of the ability to apply relevant engineering skills with strong critical thinking and analysis. Independent learning continues in all modules.

YEAR 4

Common Modules
- Control Engineering
- Venture Building
- Mechanics of Machine
- Machine Design
- Industrial Automation
- Microporous Systems & Embedded Software
- Advanced Manufacturing Technology
- Computer Aided Engineering
- Engineering Project Management

In the 2nd Semester of Year 3

MINOR EXTENSION PATHWAY

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MINOR PATHWAY

- Gain breadth of knowledge by taking 3 set modules outside of a particular major field of study. There are minor packages available undertaken from Year 3 Semester 2 Year 4 Semester 1 and Year 4 Semester 2.

EXTENSION PATHWAY

- Expand depth of knowledge by taking three (3) set modules in a specific area within a certain field of study. There are extensions available undertaken from Year 3 Semester 2, Year 4 Semester 1 and Year 4 Semester 2.
Bachelor of COMPUTER ENGINEERING with Honours

At a glance

YEAR 1
Students will understand the basic principles of engineering in the areas of Circuit Analysis, Instrumentation & Measurement, C Programming, Programming with Python, Engineering Materials, Engineering Design and Networking. Other modules aim to provide the basic demands of employers, as well as thorough grounding in principles of IT and entrepreneurship. Important and relevant skills for managing activities and for their own independent learning are also introduced.

YEAR 2
Here, students start specialising in modules that develop the necessary underlying knowledge and skills in Computer Engineering, with modules such as Electromagnetic Field Theory, Engineering Software & Applications, Analogue Electronics, Digital Electronics, Signals & Linear Systems, Introduction to Electrical Systems, Object Oriented Development with Java, Programming Concepts in C++ and Human Computer Interaction. Engineering Mathematics is provided for better understanding of the engineering modules.

YEAR 3
Specialised knowledge and skills in the areas of Control Engineering, Communication Engineering Principles, VLSI Design, Microprocessor Systems and Embedded Software, Digital Signal Processing, Modern Communication Systems and Machine Vision & Intelligence are the critical focus of this level. There is further development of the ability to apply relevant engineering skills with strong critical thinking and analysis. Independent learning continues in all modules.

INTERNSHIP
Students will undertake an Internship/Industrial Training for a minimum period of 16 weeks to prepare them for a smooth transition from the classroom to the working environment.

YEAR 4
The final year engineering modules provide the necessary industry application and technological skills which become very useful for employment upon graduation. Students’ personal and professional development, technical capability and understanding of how to innovate, generate and manage the creation of new ideas will be enhanced. Students will deliver several Engineering Projects where they will demonstrate higher level critical thinking, analysis and solutions development skills which will enhance their employability.

Module outline

YEAR 1
- Common Modules
  - Instrumentation & Measurement
  - Engineering Materials
  - Programming with Python
  - Engineering Mathematics I
  - Introduction to C Programming
  - Engineering Mathematics II
  - Analysis of Circuits
  - Fundamentals of Entrepreneurship

  Specialised Modules
  - Introduction to Networking

YEAR 2
- Common Modules
  - Digital Electronics
  - Introduction to Electrical Systems
  - Engineering Mathematics II
  - Engineering Software & Applications
  - Information Processing
  - Analogue Electronics
  - Electromagnetic Field Theory
  - Signals & Linear Systems

  Specialised Modules
  - Human Computer Interaction
  - Object Oriented Development with Java
  - Fundamentals of Integrated Circuits Design

YEAR 3
- Common Modules
  - Control Engineering
  - Engineering Mathematics 4
  - Communication Engineering Principles
  - Venture Building
  - Microprocessor Systems & Embedded Software
  - Digital Signal Processing
  - Engineering Project Management

  Specialised Modules
  - Modern Communication Systems
  - VLSI Design
  - Analogue Integrated Circuits & Systems

YEAR 4
- Common Modules
  - Project Phase 1 (Investigation)
  - Group Design Project 1
  - Project Phase 2 (Implementation)
  - Engineer in Society
  - Group Design Project 2

  Specialised Modules
  - Computer Systems Security
  - User Experience

MINOR PATHWAY

Name of Minor | Year 3 Semester 2 | Year 4 Semester 1 | Year 4 Semester 2
--- | --- | --- | ---
Digital Age Psychology | Industrial & Organizational Psychology | Cyberpsychology | Human Factors Psychology

Extension Pathway

Name of Extension | Year 3 Semester 2 | Year 4 Semester 1 | Year 4 Semester 2
--- | --- | --- | ---
Cloud Computing | Designing and Developing Applications on Cloud | Cloud Infrastructure and Services | Emergent Technology
IoT | Knowledge Discovery and Big Data Analytics | Internet of Things: Concepts and Applications | Emergent Technology
FinTech | FinTech Governance, Risk Management & Compliance | Digital Finance | Robo Advisor
Digital Transformation | Digital Execution | Digital Strategy & Analytics | Emergent Technology
Data Analytics | Knowledge Discovery and Big Data Analytics | Behavioral Science and Analytics | Optimization & Deep Learning
Artificial Intelligence | Machine Vision Intelligence (MVI) | Text Analysis & Sentiment Analysis | Emergent Technology

In APU, employment and its continual sustainability is of paramount importance to us. The range of minor and extensions offered to all students within the School of Engineering will craft a formidable way forward for the young aspiring engineers of tomorrow. These options allow students to embark on a journey of exploration either within the engineering fraternity by extending into greater depth (extensions) niche knowledge, skills and attributes required for the practice of contemporary engineering or explore wider options (minor) that are pivotal in the fundamental proliferation of the engineering profession as a whole when coupled with other current multidisciplinary fields of expertise. Successful completion of either pathways future proof the students allowing them to embark on a journey of rewarding careers within an engineering discipline of their choice.
Career options
• Production Engineer
• Commissioning Engineer
• Commissioning Engineer
• Process Engineer
• Drilling Engineer
• Commissioning Engineer
• Field Development Engineer
• Oil & Gas Design Engineer
• Plant Engineer
• Petroleum Geologist

Career options
• Petroleum Geologist
• Plant Engineer
• Oil & Gas Design Engineer
• Process Engineer
• Drilling Engineer
• Commissioning Engineer
• Field Development Engineer
• Oil & Gas Design Engineer
• Plant Engineer
• Petroleum Geologist

At a glance

YEAR 1
Students will understand the basic principles of engineering in the areas of Petroleum Engineering, Petroleum Geology, Engineering Materials etc. Other modules aim to provide the basic academic skills required to meet the demands of employers, as well as thorough grounding in principles of IT and entrepreneurship. Important and relevant skills for managing activities and for their own independent learning are also introduced.

YEAR 2
Here, students start specialising in modules that develop the necessary underlying knowledge and skills in Petroleum Engineering with modules such as Rocks & Fluid Properties, Formation Evaluation & Well Logging etc. Other modules such as Introduction to Engineering Software and Applications is used to provide better understanding of software skills.

YEAR 3
Specialised knowledge and skills in the areas of Reservoir Simulation, Drilling Engineering, Reservoir Engineering, Well Design & Completion, Production Engineering, Enhanced Oil Recovery, Well Testing and Gas Engineering are the critical focus of this level. There is further development of the ability to apply relevant engineering skills with strong critical thinking and analysis. Independent learning continues in all modules.

INTERNSHIP
Students will undertake an Internship/Industrial Training for a minimum period of 16 weeks to prepare them for a smooth transition from the classroom to the working environment.

YEAR 4
The final year Engineering modules provide the necessary industry application and technological skills which become very useful for employment upon graduation. Students' personal and professional development, technical capability and understanding of how to innovate, generate and manage the creation of new ideas will be enhanced via Engineering Projects.

PETROLEUM ENGINEERING MINOR/EXTENSION PATHWAYS
Future Proof Engineers for the Real World

In APU, employment and its continual sustainability of paramount importance to us. The range of minor and extensions offered to all students within the School of Engineering will craft a formidable way forward for the young aspiring engineers of tomorrow. These options allow students to embark on a journey of exploration either within the engineering fraternity by extending into greater depth (extensions), niche knowledge, skills and attributes required for the practice of contemporary engineering or explore wider options (minor) that are pivotal in the fundamental proliferation of the engineering profession as a whole when coupled with other current multidisciplinary fields of expertise. Successful completion of either pathways future proof the students allowing them to embark on a journey of rewarding careers within an engineering discipline of their choice.

Minor Pathway – Gain breadth of knowledge by taking 3 set modules outside of a particular major field of study. There are minor packages available undertaken from Year 3 Semester 2 Year 4 Semester 1 and Year 4 Semester 2

Extension Pathway - Expand depth of knowledge by taking three (3) set modules in a specific area within a certain field of study. There are extensions available undertaken from Year 3 Semester 2, Year 4 Semester 1 and Year 4 Semester 2.
APU’S SCHOOL OF ENGINEERING,
OUR ULTIMATE FORMULA TO SUCCESS:

OUTCOME BASED CURRICULUM
VALUE ADDED SKILLS TRAINING
STUDENT INDUSTRIAL ACTIVITIES
PROFESSIONAL DEVELOPMENT

ENGINEERING PROGRAMME STRENGTHS

Outcome Based Education
Our curriculum is a collaborative effort, between our team of academicians and our Industry Advisory Panel (IAP). We design our curriculum based on the needs of the industry, to ensure Employability Edge among our students, while maintaining our standards, by ensuring our programmes are full-accreditation compliant.

Our curriculum allows students to own their own future through the deployment of a robust yet turgid curriculum that allows students to expand their horizon into other fraternities (minors) or to deep dive within the engineering fraternity (extensions).

Our programme delivery is based on Outcome Based Education (OBE), in which high graduate employability is our end result.

Value-added Skills Training
Apart from technical knowledge in the Engineering field, we highly believe that students should also possess life skills such as critical thinking, communication and professionalism. Our Problem Based Learning (PBL) leads to producing critical and innovative graduates, in which multiple wins in various industry-standard competitions are our best testaments of success.

Student Experiences
Our academicians believe that learning should not be confined within classrooms and lecture halls. As early as the first year of their study, students possess the opportunities to gain hands-on exposure to the industry, to experience life as a professional engineer, as well as to build connections with professional engineers through regular industrial visits to manufacturing plants, factories, sites and offices of our industry partners, such as MEASAT, Top Glove, ABB and more.

The IEM-APU Student Section (IASS) is a committee for the students by the students. Since its establishment in 2015, IASS never failed to organise monthly technical events in collaboration with IEM, to boost students’ managerial skills, innovation and presentation skills while learning to manage and organise professional-standard events from A to Z.
WHAT DO OUR ALUMNI SAY...

SABRINA, FONG KAH YAN (Malaysia)  
B.Eng (Hons) in Mechatronic Engineering, Class of 2013  
Process Engineer - NXP Semiconductor (formerly known as Freescale Semiconductor)

"Receiving my degree from APU gave me the skills and knowledge needed in my engineering career. But unbeknownst to me, APU and its faculty members prepared me for the professional working environment and instilled independence and importance of continuous learning that made me a successful engineer I am today."

MOHAMMAD HUSSAIN (India)  
B.Eng (Hons) in Electrical and Electronic Engineering, Class of 2019  
Trans Ops Specialist - Relay Operations Centre (ROC) at Amazon, India

"I am eternally grateful for being awarded the APU Merit Scholarship throughout my academic years. The diverse and progressive learning culture at APU helped me develop essential skills which continue to reward me in my career today."

ELAHEH SHAKERI (Iran)  
B.Eng (Hons) in Mechatronic Engineering, Class of 2016  
Project Engineer - Coesia Group, Italy

"Today I'm proud to be considered as the best of the best engineering graduates in the globally leading supplier of high-tech machinery. APU was where I created my future in."

MAHSOOM RASEEN ABDUL CAREEM (Sri Lanka)  
B.Eng (Hons) in Electrical and Electronics Engineering, Class of 2017  
Project Lead, Business Consultant at Sysco LABS

"This was an educational journey that played the role of establishing my trait as a professional. The University’s discipline and conduct groomed us into better folk to succeed in growing industries while encouraging our creativity with the cutting-edge facilities provided by the campus."

ANDREW TEH BOON KHENG (Malaysia)  
B.Eng (Hons) in Mechatronic Engineering, Class of 2015  
Technical Support Engineer - Keyence Corporation

"APU provided me a fabulous platform to equip myself to enter the industrial world, from organizing various engineering events to managing a team. Studying at Asia Pacific University has given me a lot of memorable and happy moments. It provided many opportunities for students to learn and explore. In the university’s engineering community, IBM-APU Student Section, I was one of the committee representatives to assist in different events such as seminar coordination, industrial visit arrangements and technical workshops to skill up other students and so on. It was such an honour to be enrolled in Asia Pacific University and be involved in this student section, as it could develop my management skills. The student section established a bridge between our internal communities and other universities to reinforce students’ experiences during their university life. These experiences made my student life eventful and valuable during my study at Asia Pacific University."

NICHOLAS TAN OOI KIAT (Malaysia)  
B.Eng (Hons) in Mechatronic Engineering, Class of 2016  
Assistant Manager, Engineering - Top Glove Corp Bhd, Malaysia

"I landed my first job at my still present employer pretty much immediately after completing my studies at APU. In a time when it is common to hear ‘you will only ever use 10% of your degree knowledge’, I was pleasantly surprised to experience the exact opposite every skill, every lesson, and every module covered in my Mechatronics programme came into use in my career. A few months post graduation, I still find myself going back to the basics regularly, referencing knowledge from all four years of the course. What’s more, thanks to the voluminous practical knowledge gained from carrying out numerous coursework and lab assignments under expert lecturers, I was much better equipped than many of my industry peers to execute engineering & technology research projects, and most importantly, seeing them through to completion. Now in a leadership position myself, I constantly try to instill the same mindset I was taught in school. Always put APU grads at the top of the list. Even my colleagues want to tap into the supply as well.”

ALEX LOOI TINK HUEY (Malaysia)  
B.Eng (Hons) in Electrical & Electronic Engineering, Class of 2015  
Head of Projects, Registered Electrical Energy Manager (EC), Assoc. ASEAN Engineer - MALIM Consulting Engineers Sdn Bhd

"The Engineering and Computing programme at APU has been an amazing learning experience of having great intellectual capital and a nurturing environment for students. What sets APU apart from others is that students are dressed in full professional attire during school session which I believe transforms students positively (including myself) and take pride as a young professional, ready to engage with the rest of the world. APU brings out the best in students in providing a conducive and nurturing environment to excel in their respective fields and passions.”
World-class R&D and Innovation

For our staff, learning is a continuous journey where we keep abreast with the latest knowledge in a variety of fields. Our academic staff publish papers and present them at conferences worldwide. Some of the areas of research include:

- Regenerative Power
- Renewable/Green Energy
- Sustainable Development
- Rapid Prototyping
- Material Science
- Modeling of Quantum Dot Systems
- Silicon-based Microdosimeter Applications
- Humanoid Robot development
- Active RFID System in Multi-Hop Wireless Sensor Network
- Automatic Object Retrieval Systems Based on Speech Dictation Technology
- Robotics Haptic and Tactile Sensor development
- Robotics Vision development
- Biomedical Robotics
- Seismic Imaging
- Reservoir Engineering
- Noise Filtration
- Sub-Sea Cable Trenching
- Signal Processing
- Nanoelectronics
- Microelectronics
- Wireless self-charging drone for stock updates
- LoRa monitoring module
- Universal sensor module with IoT
- Smart Lab with voice activation
- Smart Utility for Smart City

INNOVATIVE INDUSTRY-BASED RESEARCH CENTRES @ APU

Asia Pacific Centre of Robotics Engineering

The APCORE (Asia Pacific Centre of Robotics Engineering) is an initiative by APU School of Engineering to develop the robotic engineering field within the school. The center undertakes research in various areas of robotics especially humanoid robot development, robotic sensors, robotic vision and biomedical robotics. This will involve lectures by industrial experts and in-house research activities in these areas. The center is also a meeting point for students and lecturers to share ideas and assess their work, as well as a platform for collaboration with industry to keep the research and technology used to be relevant and current. APCORE aims to help lecturers and students to gain knowledge with get hands on experience through involvement in continuous development of robotics technology. Some of projects conducted by APCORE include the development of tele-presence and humanoid robot, participations in international exhibitions and competitions.

Asia Pacific Centre of Analytics (APCA)

Asia Pacific Centre of Analytics - APCA is established in association of multi-discipline expertise from various schools in APU. The vision of APCA is to establish the foundation to develop young data scientists to meet the demands in Malaysia and global. The expertise and experience cover areas of Data Management, Machine Learning, Behavioral Studies, Business Cases, Statistics and Engineering. The formation directs to broad activities in Big Data ecosystem, in line with National vision to make Big Data Analytics the catalyst for nation’s economic development. Creating new area in BDA studies, Embedding BDA topics into Undergraduate and Postgraduate studies, Development of Educational and Industrial Framework, Creating Project Marketplace, Research projects, Consultancy and Training Services.

Centre for Research and Development of IoT (CREDIT)

The establishment of Centre for Research and Development of IoT (CREDIT) is a significant milestone that supports the objectives of the Malaysia National IoT Strategic Roadmap initiative. CREDIT aims to provide students and academic staff the opportunities to access IoT-related knowledge and know-how through various activities. It also acts as a hub to support commercialising potential state-of-the-art solutions resulting from R&D projects. Additionally, it allows students to be engaged in a current key requirement sector which will increase employability rates.

APU IEEE Student Branch

APU IEEE Student Branch, which is a part of the Malaysia Section under Region 10 (Asia and Pacific), was formulated in 2014. As a member of IEEE, APU students have access to various resources, opportunities, and activities available to IEEE members worldwide. The student branch organizes various events and technical activities to support students in their academic and professional development. APU IEEE Student Branch aims to maintain a strong IEEE presence in the APU campus, and to provide a platform for students to learn about and engage in various technologies and areas of interest within the IEEE.

APU Motorsports Club

The Club focuses on performance and eco-friendly competitions. The academic staff and students work on constructing efficient cars based on materials study, structural engineering, engine optimum performance and control mechanisms for local races such as EIMA, GT D2E, IPMA and Formula 1.

APU 5G Research Lab

The APU 5G research lab was established to serve as a platform for members from academia, business and industry to collaborate on 5G research to create market ready, innovative 5G technology solutions, applications and business ventures. The APU 5G research lab facilities research at circuit, system and network level in 5G technologies and also is focused to the pathway for 5G technology to develop a powerful, greener, sustainable network which will be smarter with infusion of AI, ML and Reinforcement Learning.

The research lab aims at exploring the cutting edge technologies such as SDN, NFF, mm/thz Wave Band, Radios Access, Massive MIMO, 5G Communication, Ultra Diversification, IoT, Big Data, Fundamentals of AI and ML, and development of 5G network infrastructure. The 5G lab in association with the other research centers of APU will facilitate research in 5G network security, Network Data Collection and Analysis for Smarter 5G/6G Network and Highspeed Sensor Network for Autonomous Industry.

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Internships & Industrial Training

FYPBank - An online facility to support students’ development of their final year project to meeting industry standards, to enhance employability and to assist student in ensuring projects are fit for purpose at the final year of study.

It is a facility web-based integrated system that facilitates the project management responsibilities carried out by the APU FYP students, supervisors, second markers, FYP administrators and project managers.

The companies who have and are contributing to FYPBank are INFOPRO SDN BHD, Bank Negara Museum and Art Gallery, DLoop Emporia Sdn Bhd, Everal Group, GCA, HIL, LDRW Health Care Services, MAD Incubator, MIMOS Wireless Innovation Lab, Nurali Technology Sdn Bhd, REDtone, Signal Transmission (M) Sdn Bhd and Top Glove Sdn Bhd. Students are allowed to work on an industrial FYP proposals selected from the FYPBank. Our FYP students have successfully completed the industrial projects selected from the FYPBank. The end-product of each industrial project is being used by the real users.

Internships & Industrial Training

Prior to starting the final year of study APU students will do internship or industrial training placements for 16 weeks. This is to enable students to gain industrial or professional learning experiences to develop transferable skills for employability so as to enhance their future value to employers. Familiarity with all common processes is essential and exposure at a practical level to a wide variety of processes is required at a level appropriate to young professionals. Whilst it is clearly desirable for students to get a feel for the skills involved, the central aim is to achieve appreciation. Industrial training is a key component of learning in an integrated academic curriculum.

Taking this exposure as an important element in the curriculum APU ensures the smooth process of facilitation by starting the process a semester by guiding and nurturing the students via workshops and classes dedicated to:

1 - Development of a CV
2 - Attending Interviews
3 - Working professionally and ethically at an organisation

APU also has dedicated Internship Officers per school and a company pool bank in which student can choose from in terms of writing in or direct placements.

1st Internship Briefing by Coordinators and Issuance of Internship Letter by Admin (Week 4 of Semester 2, Year 2)

Secure a placement before Week 14 of Semester 2, Year 3

Part 1 Portfolio submission (Buffer Week of Semester 2, Year 3)

Part 1 Portfolio submission (Week 14 of Semester 2, Year 3)

3rd Briefing by Coordinators on Submission of Part 2 Portfolio (Orientation Week of Year 4)

Students on 16 weeks of internship

Part 2 Portfolio submission (Week 3 of Semester 1, Year 4)

Workshops will be conducted for students:
1. CV Writing Skills
2. Preparations for Interview
3. Work Ethics

2nd Internship Briefing by Coordinators on Part 1 Portfolio (Week 14 of Semester 2, Year 3)
The APIIT Education Group received the prestigious Prime Minister’s Industry Excellence Award from the Prime Minister of Malaysia. Only one organisation was selected to receive the Prime Minister’s Industry Excellence Award from among nearly 30 other award recipients in 8 different categories.

The Industry Excellence Awards, organised by the Ministry of International Trade & Industry (MITI), recognises and rewards organisations for organisational excellence including competitiveness, innovativeness, market presence and export performance. Winning the Prime Minister’s Industry Excellence Award is a significant milestone and an honour for APU as a leader in higher education. The award truly reflects our commitment and focus on quality, innovation, graduate employability and internationalisation.
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Awards received by the university and our students at local, regional and international competitions are a testimony to their knowledge, skills and professional attributes.

APIIT Education Group is the proud recipient of Prime Minister’s Award and Export Excellence Award (Services) for Industry Excellence Awards - March 2011.

MAKING HISTORY - AWARDS AND ACHIEVEMENTS

Excellence Awards - March 2011

- Best Cybersecurity Education Provider in Asia
- Best in Cybersecurity
- Best in Diversity & Inclusion (Institution Category)
- National Outstanding Innovation Award (University category)
- National Outstanding Young Educator Merit Award
- Employability and Internationalisation.

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MAKING HISTORY - AWARDS AND ACHIEVEMENTS

INTERNATIONAL INVENTION, TECHNOLOGY & INNOVATION EXHIBITION (ITEX)
2023 - 1st Gold Award
2023 - 6 Silver Awards
2022 - 1 Gold Award
2019 - 1 Gold Award
2018 - 1 Bronze Award
2017 - 1 Silver Award
2016 - 1 Bronze Award
2015 - 1 Gold Award
2014 - 1 Silver Award
2013 - 1 Bronze Award
2012 - Gold Award
2011 - Bronze Award
2010 - Silver Award
2009 - Gold Award
2008 - Silver Award

INTERNATIONAL OCEAN HACKATHON
2023 - 1st Place in Ocean Hackathon International Grand Finale
2022 - 1st Place (Ocean Hackathon Kuala Lumpur)
2021 - 1st Place (Ocean Hackathon Maldives)

INTERNATIONAL INNOVATION AWARD MALAYSIA (IAM)
2023 - 1st Gold Award
2022 - 1st Gold Award
2020 - Silver Award
2019 - 1st Gold Award
2018 - Bronze Award
2017 - Silver Award
2016 - Silver Award
2015 - Silver Award
2014 - Silver Award
2013 - Silver Award
2012 - Silver Award
2011 - Silver Award

UTAR FCT INAUGURAL INTERVARSITY CAPTURE THE FLAG (CTF) COMPETITION
2023 - 1st Place & 2nd Runner Up

SIBER SIAGO’S CAPTURE THE FLAGS (CTF): CODE COMBAT
2022 - 1st Place
2021 - 2nd Place
2020 - 3rd Place
2019 - 1st Place

INTERVARSITY CORPORATE STRATEGY CHALLENGE (ICSC)
2023 - 1st Runner-Up
2022 - 1st Place
2021 - 3rd Place
2020 - 3rd Place
2019 - 2nd Place
2018 - 1st Place
2017 - 2nd Place
2016 - 2nd Place
2015 - 2nd Place

ASEAN-CHINA INDIA YOUTH LEADERSHIP SUMMIT (ACYLS)

IEM STUDENT RESEARCH & POSTER COMPETITION
2023 - Second Prize Winner (Individual Category)
2022 - 1st Place Winner
2021 - 1st Place Winner
2020 - 1st Place Winner

THE IEMECH PLACEMENT DESIGN COMPETITION
2022 - 1st Runner-up
2021 - Champion (Degree Level)
2020 - 1st Runner-up (Degree Level)
2019 - 1st Runner-up (Diploma Level)

INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL)
2022 - 2 Silver Awards & 1 Bronze Award
2021 - 1 Silver Award
2020 - 1 Gold Award
2019 - 2 Gold Awards
2018 - 1 Gold Award
2017 - 1 Silver Award

THE MEDECH PLACEMENT DESIGN COMPETITION
2022 - Champion (Degree Level)
2021 - 1st Runner-up (Degree Level)
2020 - 1st Runner-up (Diploma Level)

THE INTEGRATED DESIGN PROJECT SHORT VIDEO COMPETITION
2022 - 1st Place Winner

INNOVATIVE RESEARCH, INVENTION AND APPLICATION EXHIBITION (I-RIA)
2022 - Silver Awards
2021 - SEAL PLECS DESIGN COMPETITION
2022 - 1st Runner Up

BATTLE OF HACKERS (BOH)
2022 - 1st Runner-Up
2021 - 3rd Runner-Up
2020 - Champion
2019 - Top 10
2018 - Top 10
2017 - Top 10

FINAL YEAR PROJECT & POSTGRADUATE RESEARCH & INNOVATION POSTER COMPETITION (FYP)
2022 - Gold Winner in the Category: Master Science, Technology, Engineering, and Mathematics
2021 - Gold Award in the Category C1 Degree Final Year Project Science, Technology, Engineering and Mathematics

RHG GET YOUR HACK ON DATA EDITION
2022 - Winner of AWS Special Award

SOCIETY OF PETROLEUM ENGINEERS (SPE) INTERNATIONAL ALUMNI CONFERENCE (IAINEX)
2022 - Gold Winner in the Category: Master Science, Technology, Engineering, and Mathematics

PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN (PIID)
2022 - 1st Place Winner
2021 - 1st Place Winner
2020 - 2nd Place Winner
2019 - 3rd Place Winner
2018 - 1st Place Winner
2017 - 3rd Place Winner

THE GREAT GREEN SUSTAINABILITY CHALLENGE 2021
2021 - 1st Place Winner
2020 - 2nd Place Winner
2019 - 3rd Place Winner

THE VIRTUAL INNOVATION COMPETITION (VIC) AWARD
2021 - 1st Runner Up
2020 - 2nd Runner Up

THE-FLAG COMPETITION
2021 - Champion
2020 - Silver Award

THE INTERNATIONAL RESEARCH AND SYMPOSIUM AND EXPOSITION (IARE)
2021 - 1st Runner Up
2020 - 2nd Runner Up

THE VIRTUAL INNOVATION COMPETITION (VIC) AWARD
2021 - 1st Runner Up
2020 - 2nd Runner Up

TUNGKU ABDUL RAHMAN UNIVERSITY COLLEGE (TAR UC) CAPTURE-THE-FLAG COMPETITION
2021 - 1st Runner Up

MICROSOFT’S CODE WITHOUT BARRIERS HACKATHON
2022 - Winners

APU AWS DEEPREACHER COMPETITION
2022 - 1st Place
2021 - 2nd Place
2020 - 3rd Place

ADOBE CERTIFIED PROFESSIONAL (ACP) CHAMPIONSHIP MALAYSIA
2022 - 1st Place
2021 - 2nd Place
2020 - 3rd Place

WORLD OF ROBOTTICS CHAMPIONSHIP (WRC)
2022 - Grand Prize

PETRONAS INTER-UNIVERSITY CAPTURE THE FLAG (CTF) CHALLENGE
2022 - 1st Place & 2nd Runner Up

THE ART OF WHEELS - VM DESIGN CHALLENGE
2022 - Champion
2021 - 1st Runner-up
2020 - 2nd Place

MALAYSIA TECHLYMPICS: DATA SCIENCE CHALLENGE
2022 - Gold Winner in the Category: Tertiary - Science & Technology

YOUNG EXCELLENCE AWARD (YEA)
2021 - Winner of the Young Excellence Award (YEA) 2021 under category Pandemic Leadership Award

SUSTAINABLE DEVELOPMENT GOALS (SDG) FILMFEST
2021 - Winner of the Best Oral Film
2020 - Winner of 'Dramatization or Re-Enactment Award'
2020 - Winner of 'Best Production Value Award'

THE 3RD INTERNATIONAL ACADEMIC AND RESEARCH EXCELLENCE AWARDS (IARE)
2021 - The Best Academician of the Year Award (Male)

PEKAN RAJA STATISTIKA DATA ANALYSIS COMPETITION
2021 - Best Algorithm Award

28TH NATIONAL MATHEMATICAL SCIENCE SYMPOSIUM
2021 - BRASSMAK Award for Best PhD Thesis and Best Academic Article

AIM DATA SCIENCE FACULTY EXCELLENCE AWARD
2021 - Outstanding Graduate Student Teaching Award

ASIA INTERNATIONAL INNOVATION EXHIBITION (AIINEX)
2021 - 2 Gold Awards + 2 Special Awards

THE VIRTUAL INNOVATION COMPETITION (VIC) AWARD
2021 - 1st Runner-up (Degree Level)
2020 - 1st Place Winner
2019 - 2nd Place Winner
2018 - 1st Place Winner

SUSTAINABLE DEVELOPMENT GOALS (SDG) FILMFEST
2021 - Winner of 'Best Paper Award' in the International category Pandemic Leadership Award

YOUNG EXCELLENCE AWARD (YEA)
2021 - Winner of the Young Excellence Award (YEA) 2021 under category Pandemic Leadership Award

WORLD ENGINEERING SCIENCE & TECHNOLOGY CONGRESS (ESTCON2020)
2020 - Winner of 'Best Paper Award' in the International Conference on Production, Energy & Reliability (EPRE) category

THE GREAT GREEN SUSTAINABILITY CHALLENGE 2021
2021 - 1st Place Winner
2020 - 2nd Place Winner
2019 - 3rd Place Winner

THE VIRTUAL INNOVATION COMPETITION (VIC) AWARD
2021 - 1st Runner Up
2020 - 2nd Runner Up

SURE PLC DESIGN COMPETITION
2022 - Silver Awards
2021 - 1st Place Winner
2020 - 2nd Place Winner
2019 - 1st Place Winner

IEM INTEGRATED DESIGN PROJECT SHORT VIDEO COMPETITION
2021 - 1st Runner Up (Degree Level)
2020 - 1st Runner Up (Diploma Level)

THE AWS HACKATHON BUILD ON MALAYSIA
2021 - 2 Gold Awards & 2 Special Awards

THE MEDECH PLACEMENT DESIGN COMPETITION
2022 - Champion (Degree Level)
2021 - 1st Runner-up (Degree Level)
2020 - 1st Runner-up (Diploma Level)

IEMECH DESIGN SKILL COMPETITION
2021 - Champion

CISCO PACKET TRACER NATIONAL CHALLENGE
2021 - Champion

PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN (PIID)
2021 - Grand Prize

INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL)
2022 - 2 Silver Awards & 1 Bronze Award
2021 - 2 Silver Awards
2020 - 2 Gold Awards
2019 - Silver
2018 - Silver

MERDEKA AWARD PRESENTATION CEREMONY
2021 - Grantee of the Merdeka Award Grant for International Attachment

DIVERSITY AND INCLUSION YOUTH CONFERENCE (DYIC) COVID-19
2021 - Best Mentor Award

THE GREAT GREEN SUSTAINABILITY CHALLENGE 2021
2021 - 1st Place & 2nd Place

THE INTERNATIONAL RESEARCH AND SYMPOSIUM AND EXPOSITION (IARE)
2021 - Silver Award

MEF FURNITURE DESIGN COMPETITION
2022 - 1st Runner-Up
2021 - 2nd Runner-Up

THE GREAT GREEN SUSTAINABILITY CHALLENGE 2021
2021 - 1st Place & 2nd Place

TCS SUSTAINATION MALAYSIA
2021 - 1st Place

INTERNATIONAL INNOVATION, INVENTION AND DESIGN EXPO (IHDIE)
2021 - 4 Silver Awards

THE INTERNATIONAL RESEARCH AND SYMPOSIUM AND EXPOSITION (IARE)
2021 - Silver Award

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