



LJM

LEMBAGA JURUTERA MALAYSIA

LAPORAN
TAHUNAN
2019
ANNUAL
REPORT

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Annual Report Editorial Board

PENGERUSI / CHAIRMAN


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Ir. Prem Kumar Vasudevan
Ir. Hizamul-din Ab Rahman
Ir. Dr. Zuhairi Abd Hamid
Ir. Mohd Rasid Osman
Ir. Dr. Megat Zuhairy Megat Tajuddin
Ir. Suhaizad Hj Sulaiman
Ir. Mohd Noramil Mohd Daril

URUSETIA / SECRETARIAT

Puan Nik Kamaliah Binti Abdul Rahman



**PERUTUSAN
PRESIDEN
2019**

PRESIDENT'S MESSAGE



PERUTUSAN PRESIDEN 2019

PRESIDENT'S MESSAGE 2019

Pendaftaran menjadi fungsi utama Lembaga dengan statistik pendaftaran pada akhir tahun 2019 (dengan nombor masing-masing pada akhir tahun 2018 dalam kurungan) adalah:- Jurutera Profesional dengan Perakuan Amalan sebanyak 10,484 (10,461); Jurutera Profesional sebanyak 9,917 (8,729); Jurutera Siswazah sebanyak 132,580 (118,452); Teknologis Kejuruteraan sebanyak 8,740 (6,050); dan Pemeriksa Tapak sebanyak 6,844 (6,001)

LJM secara berterusan mengkaji peperiksaan profesionalnya iaitu Peperiksaan Penilaian Profesional (PPP) dan Peperiksaan Kompetensi Profesional (PKP) agar selaras dengan standard antarabangsa. PPP bergerak menuju pemeriksaan kompetensi berdasarkan hasil, sementara PKP sedang dikaji keberkesannya dengan kemasukan cabang kejuruteraan tambahan.

Dalam proses memastikan profesionalisme Jurutera Profesional dalam memberikan perkhidmatan yang memuaskan kepada industri, BEM amat serius dan telah mengambil tindakan wajar apabila diperlukan. Mengenai aduan yang diterima, terdapat 59 kes baru di mana 38 daripadanya mempunyai prima facie. Pada tahun 2019, 36 kes disarankan untuk didengar dan 17 didapati bersalah oleh Jawatankuasa Tatatertib.

Registration being the main function of the Board, the registration statistics at the end of year 2019 (with the respective numbers at end of 2018 in brackets) is:- Professional Engineers with Practising Certificate 10,484 (10,461); Professional Engineers was 9,917 (8,729); Graduate Engineers 132,580 (118,452); Engineering Technologists 8,740 (6,050); and Inspector of Works 6,844 (6,001)

BEM is continuously reviewing its Professional Examinations the Professional Assessment Examination (PAE) and the Professional Competency Examinations (PCE) to be in line with international standards. The PAE is moving towards the outcome-based competency examination whilst the PCE is being reviewed for its effectiveness and inclusion of additional engineering branches.

In the process of ensuring the professionalism of Professional Engineers in delivering the satisfactory services to the industries, BEM has been stringent and has taken action when required. On the complaints received, there were 59 new cases out of which 38 had prima facie. In 2019, 36 cases were recommended for hearing and 17 were found guilty by the Disciplinary Committee.

Majlis Akreditasi Kejuruteraan (EAC) terus memantau dan memperakui ijazah kejuruteraan yang dianugerahkan oleh universiti tempatan bagi mematuhi keperluan Washington Accord. Pada tahun 2019, EAC mengiktiraf 83 program ijazah kejuruteraan di 43 institusi pengajian tinggi (IHL). Di samping itu Majlis Akreditasi Teknologi Kejuruteraan (ETAC) mengiktiraf 44 program teknologi kejuruteraan di 12 IHL dan 82 program diploma di 36 IHL pada tahun 2019, untuk memenuhi syarat-syarat Sydney Accord dan Dublin Accord.

Malaysia mengambil bahagian dalam Mesyuarat International Engineering Alliance (IEA) serta Network of Accreditation Bodies for Engineering Education in Asia (NABEEA) pada bulan Jun 2019 yang diadakan di Hong Kong. LJM telah menghantar wakil ke Mesyuarat Jawatankuasa Penyelaras Perkhidmatan ASEAN dan juga menganjurkan Mesyuarat Meja Bulat Jurutera Profesional Berkanun ASEAN ke-40 yang diadakan di Kuala Lumpur.

LJM telah mengadakan siri Jerayawara Latihan & Pendidikan LJM 2019 di seluruh negara dengan tema “Kesedaran Keselamatan” dan juga mengambil bahagian dalam beberapa program LJM Outreach sepanjang tahun.

Sebagai badan pengawalseliaan, LJM akan terus waspada dalam proses pendaftaran dan tingkah laku Orang Berdaftar yang memberikan perkhidmatan mereka kepada industri dan pelanggan dengan mempertimbangkan keselamatan dan kualiti. LJM juga akan proaktif untuk menjangkau pihak berkepentingan serta akan turut serta dalam aktiviti badan-badan profesional yang berkaitan.

The Engineering Accreditation Council (EAC) continues to monitor and accredit engineering degrees awarded by local universities to conform with the requirements of the Washington Accord. In 2019 the EAC accredited 83 engineering degree programs in 43 institutions of higher learning (IHLs). In addition the Engineering Technology Accreditation Council (ETAC) accredited 44 engineering technology programs in 12 IHLs and 82 diploma programs in 36 IHLs in 2019, to conform with the requirements of the Sydney Accord and the Dublin Accord respectively.

Malaysia participated in the International Engineering Alliance (IEA) meeting as well as the Network of Accreditation Bodies for Engineering Education in Asia (NABEEA) in June 2019 held at Hong Kong. BEM has sent representatives to the ASEAN Coordinating Committee Meeting on Services and also organised the 40th ASEAN Chartered Professional Engineers Roundtable Meeting held in Kuala Lumpur.

BEM has conducted BEM Training & Education Roadshow 2019 nationwide with the theme “Safety Awareness” and also participated in several BEM Outreach programs throughout the year.

As a regulatory body, BEM will continue to be vigilant in its registration process and on the conduct of its registered persons delivering their services to the industry and clients with safety and quality in mind. BEM will also be proactive in reaching out to its stakeholders and participate in activities of related professional bodies.

Dato' Ir. Dr. Meor Abdul Aziz

PRESIDEN, LEMBAGA JURUTERA MALAYSIA

PRESIDENT, BOARD OF ENGINEERS MALAYSIA



The cover features a background of modern skyscrapers on the left, partially obscured by large, overlapping geometric shapes in shades of teal, blue, and purple on the right. The text is centered in the white space between these shapes.

MAKLUMAT KORPORAT 2019

CORPORATE INFORMATION

MAKLUMAT KORPORAT

CORPORATE INFORMATION

LEMBAGA JURUTERA MALAYSIA

Lembaga Jurutera Malaysia (LJM) adalah sebuah badan berkanun persekutuan di bawah Kementerian Kerja Raya Malaysia yang ditubuhkan mengikut Undang-undang Malaysia, Akta Pendaftaran Jurutera 1967 (Akta 138). Peranan utama LJM adalah mendaftar Jurutera, Pemeriksa Bertauliah, Teknologis Kejuruteraan, Pemeriksa Tapak dan syarikat Amalan Perunding Kejuruteraan seperti pemilik tunggal, perkongsian dan badan korporat yang menyediakan perkhidmatan kejuruteraan profesional. LJM juga mengawal selia tata kelakuan profesional dan amalan orang berdaftar untuk melindungi kepentingan orang ramai.

VISI

Sebuah badan berwibawa antarabangsa yang mengawal selia amalan kejuruteraan.

MISI

Mengawal selia perkhidmatan kejuruteraan, mematuhi etika profesional dan amalan terbaik antarabangsa, dalam memastikan keselamatan awam.

POLISI KUALITI

Lembaga komited untuk memberikan perkhidmatan terbaik kepada pihak yang berkepentingan dalam mematuhi keperluan berkanun dan pengawal seliaan dan berterusan memperbaiki sistemnya.

PIAGAM PELANGGAN

- Semua urusan pendaftaran jurutera akan diproses dalam tempoh masa yang ditetapkan.
- Mengambil bahagian secara aktif dalam aktiviti-aktiviti yang berkaitan dengan profesion kejuruteraan dengan agensi-agensi kerajaan yang lain atau pihak yang berkepentingan.
- Semua aduan dan pertanyaan daripada

BOARD OF ENGINEERS MALAYSIA

The Board of Engineers Malaysia (BEM) is a federal statutory agency under the Ministry of Works Malaysia. It was established under the laws of Malaysia, the Registration of Engineers Act 1967 (Act 138), with primary role to register Engineers, Engineering Technologists and Inspectors of Works. BEM also registers Engineering Consultancy Practices in the form of sole proprietorships, partnerships and body corporate providing professional engineering services. BEM also regulates the professional conduct and practice of registered person in order to safeguard the interest of the public.

VISION

An authoritative body of international standing that regulates engineering practice.

MISSION

Regulate engineering services, conforming to professional ethics and international best practices, in ensuring public safety.

QUALITY POLICY

The Board is committed to providing excellent services to interested parties in compliance to statutory and regulatory requirements and continually improves its system.

CLIENT CHARTER

- All matters pertaining to the registration of engineers will be processed within stipulated time frame.
- BEM shall actively participate in activities related to the engineering profession with other government agencies or interested parties.
- All complaints and enquiries from public

orang ramai berkaitan dengan perkhidmatan kejuruteraan akan dilayan dalam kadar segera.

relating to engineering services shall be attended to expeditiously.

FUNGSI

Selaras dengan Akta Pendaftaran Jurutera 1967 (Pindaan 2015), fungsi LJM adalah:

- (a) untuk menyimpan dan menyenggarakan Daftar;
- (b) untuk meluluskan atau menolak permohonan untuk pendaftaran di bawah Akta ini atau untuk meluluskan apa-apa permohonan tertakluk kepada apa-apa syarat atau sekatan yang difikirkan patut dikenakan;
- (c) untuk memerintahkan pengeluaran amaran bertulis atau teguran, pengenaan denda, penggantungan, pembatalan, penghapusan atau pengembalian semula mengikut Bahagian III dan IV;
- (d) untuk menetapkan dari semasa ke semasa dengan kelulusan Menteri skala fi yang akan dikenakan oleh Jurutera dan syarikat Amalan Perunding Kejuruteraan berdaftar untuk perkhidmatan kejuruteraan profesional yang diberikan;
- (e) untuk mendengar dan memutuskan pertikaian yang berkaitan dengan tingkah laku atau etika professional orang berdaftar atau melantik suatu jawatankuasa atau penimbang tara atau penimbang tara - penimbang tara untuk mendengar dan menentukan pertikaian itu;
- (f) untuk bertindak sebagai pihak berkepentingan dalam suatu kontrak bagi perkhidmatan kejuruteraan profesional, apabila diminta;
- (g) untuk mengambil bekerja mana-mana orang, sebagaimana difikirkan perlu, untuk membantu Lembaga menjalankan fungsi, kuasa dan kewajipan tertakluk kepada apa-apa terma dan syarat sebagaimana yang ditentukan;
- (h) menyediakan kemudahan untuk menggalakkan pembelajaran dan pendidikan dan untuk mengadakan

FUNCTIONS

In accordance to the Registration of Engineers Act 1967 (Revised 2015), the functions of the Board shall be:

- (a) to keep and maintain the Register;
- (b) to approve or reject applications for registration under this Act or to approve any such application subject to such conditions or restrictions as it may deem fit to impose;
- (c) to order the issuance of a written warning or reprimand, the imposition of a fine, suspension, cancellation, removal or reinstatement in accordance with Parts III and IV;
- (d) to fix from time to time with the approval of the Minister the scale of fees to be charged by registered Engineers and Engineering consultancy practices for professional engineering services rendered;
- (e) to hear and determine disputes relating to professional conduct or ethics of registered Persons or to appoint a committee or arbitrator or arbitrators to hear and determine such disputes;
- (f) to act as a stakeholder in a contract for professional engineering services, when requested;
- (g) to employ any person, as it deems necessary, to assist the Board in carrying out its functions, powers and duties subject to such terms and conditions as it may determine;
- (h) to provide facilities for the promotion of learning and education and to

atau menyebabkan supaya diadakan program pembangunan profesional, termasuk program pembangunan profesional untuk Orang Berdaftar bagi meningkatkan pengetahuan mereka dalam perkembangan terkini berkaitan dengan profesion;

(i) untuk melantik suatu jawatankuasa yang terdiri daripada orang yang akan ditentukan oleh Lembaga -

(i) untuk menjalankan peperiksaan penilaian profesional untuk tujuan kemasukan sebagai Jurutera Profesional; atau

(ii) untuk menjalankan peperiksaan kompetensi profesional untuk tujuan mengeluarkan Sijil Amalan kepada Jurutera Profesional;

(j) untuk melantik mana-mana orang untuk mewakili Lembaga dalam mana-mana jawatankuasa, panel atau institusi, di mana orang tersebut kemudiannya akan membuat cadangan kepada Lembaga mengenai semua perkara mengenai kelayakan untuk kemasukan ke profesion;

(k) untuk melantik sebuah badan yang terdiri daripada ahli-ahli Lembaga, Jurutera Profesional dan orang lain sebagaimana yang ditentukan oleh Lembaga untuk menasihati Kerajaan dan orang awam mengenai perkara-perkara yang berhubungan dengan pendidikan kejuruteraan, termasuk pensijilan program tersebut;

(l) untuk menyebabkan peperiksaan dijalankan oleh sesebuah institusi yang diiktiraf oleh Lembaga bagi maksud kemasukan ke dalam profesion;

(m) untuk menentukan dan mengawal kelakuan dan etika profesion kejuruteraan; dan

(n) Secara amnya, untuk melakukan segala tindakan, perkara dan benda yang perlu bagi melaksanakan peruntukan Akta ini.

hold or cause to be held professional development programmes, including continuing professional development programmes, for registered Persons to further enhance their knowledge in the latest developments relating to that profession;

(i) to appoint a committee consisting of persons to be determined by the Board -

(i) to conduct professional assessment examinations for the purpose of admission as a Professional Engineer; or

(ii) to conduct professional competency examinations for the purpose of issuing a Practising Certificate to the Professional Engineer;

(j) to appoint any person to represent the Board in any committee, panel or institution, where that person would subsequently make recommendations to the Board on all matters regarding the qualifying for admission to the profession;

(k) to appoint a body consisting of members from the Board, Professional Engineers and other persons as may be determined by the Board to advise the Government and the public on matters relating to engineering education, including the certification of such programmes;

(l) to cause examinations to be conducted by an institution recognized by the Board for the purpose of admission to the profession;

(m) to determine and regulate the conduct and ethics of the engineering profession; and

(n) Generally, to do all such acts, matters and things as are necessary to carry out the provisions of this Act.

AHLI LEMBAGA

Lembaga hendaklah terdiri daripada ahli berikut yang mestilah warganegara Malaysia dan yang dilantik oleh Menteri:

- (a) seorang Presiden yang mestilah merupakan seorang Jurutera Profesional atau Jurutera Profesional dengan Perakuan Amalan;
- (b) tidak lebih daripada empat belas orang Ahli yang hendaklah merupakan Jurutera Profesional dan Jurutera Profesional dengan Perakuan Amalan, lima daripada mereka hendaklah daripada senarai pencalonan dikemukakan oleh Majlis Institusi Jurutera (Malaysia);
- (c) seorang Ahli yang dinamakan oleh Lembaga Arkitek daripada kalangan Ahli Lembaga itu yang ditubuhkan di bawah Akta dan Arkitek 1967; dan
- (d) seorang Ahli yang dinamakan oleh Lembaga Juruukur Bahan dari kalangan Ahli Lembaga yang ditubuhkan di bawah Akta Juruukur Bahan 1967.

Dan yang hendaklah terdiri daripada berikut:

- (i) tiga orang Jurutera Profesional dan dua Jurutera Profesional dengan Perakuan Amalan di dalam perkhidmatan awam Persekutuan;
- (ii) tidak lebih daripada dua orang Jurutera Profesional di dalam perkhidmatan pihak berkuasa tempatan atau pihak berkuasa berkanun;
- (iii) tidak lebih daripada lima orang Jurutera Profesional dengan Perakuan Amalan yang merupakan kakitangan, pemilik tunggal, rakan kongsi atau pengarah syarikat amalan perunding kejuruteraan; dan
- (i) Jurutera Profesional dan Jurutera Profesional dengan Perakuan Amalan yang merupakan kakitangan mana-mana orang atau kumpulan orang, yang bukan dalam perkhidmatan awam Persekutuan atau dalam perkhidmatan mana-mana pihak berkuasa tempatan atau pihak berkuasa berkanun.

BOARD MEMBERS

The Board shall consist of the following members who shall be Malaysian citizens and who are appointed by the Minister:

- (a) a President who shall be a Professional Engineer or a Professional Engineer with Practising Certificate;
- (b) not more than fourteen members who shall be Professional Engineers and Professional Engineers with Practising Certificates, five of whom shall be from a nomination list submitted by the Council of the Institution of Engineers (Malaysia);
- (c) one member on the nomination of the Board of Architects from among members of that Board established under the Architects Act 1967; and
- (d) one member on the nomination of the Board of Quantity Surveyors from among members of that Board established under the Quantity Surveyors Act 1967.

And who shall consist of the following:

- (i) three Professional Engineers and two Professional Engineers with Practising Certificate who are in the public service of the Federation;
- (ii) not more than two Professional Engineers who are in the service of any local authority or statutory authority;
- (iii) not more than five Professional Engineers with Practising Certificates who are employees, sole proprietors, partners or directors of an engineering consultancy practice; and
- (iv) a Professional Engineer and a Professional Engineer with Practising Certificate who are employees of any person or body of persons, not being in the public service of the Federation or in the service of any local authority or statutory authority.

MESYUARAT LEMBAGA 2019

Mesyuarat Lembaga telah diadakan sebanyak tiga (3) kali pada tahun 2019 seperti berikut:

No.	Bil. Mesyuarat	Tarikh
1	337	9.4.2019
2	338	8.7.2019
3	339	19.8.2019

Akta Pendaftaran Jurutera 1967 menetapkan Lembaga untuk bermesyuarat sekurang-kurangnya sekali setahun.

MEETINGS OF THE BOARD 2019

The Board held three (3) meetings in year 2019 as follows:

No.	Meeting No.	Date
1	337th	9.4.2019
2	338th	8.7.2019
3	339th	19.8.2019

The Registration of Engineers Act 1967 requires the Board to convene meeting at least once a year.



AHLI LEMBAGA 2018-2019

BOARD MEMBERS 2018-2019



DATO' SRI Ir. DR. ROSLAN MD TAHA
PRESIDEN / PRESIDENT
(January - April 2019)



DATO' Ir. DR. MEOR ABDUL AZIZ BIN HAJI OSMAN
PRESIDEN / PRESIDENT
(April - November 2019)



Ir. KAMALUDDIN BIN HAJI ABDUL RASHID
PRESIDEN / PRESIDENT
(November - Disember 2019)



Ir. SUHAIZAD BIN HJ SULAIMAN
SETIAUSAHA / SECRETARY



Ir. HIZAMUL-DIN BIN AB RAHMAN
PENDAFTAR / REGISTRAR



DATUK WIRA Ir. MD. SIDEK BIN AHMAD
AHLI LEMBAGA / BOARD MEMBER



DATUK Ir. MOHD ADNAN BIN MOHD NOR
AHLI LEMBAGA / BOARD MEMBER



DATO' PROF. Ir. DR. HASSAN BIN BASRI
AHLI LEMBAGA / BOARD MEMBER



DATO' Ir. DR. MD NASIR BIN MD NOH
AHLI LEMBAGA / BOARD MEMBER



DATU Ir. ZURAIMI BIN HAJI SABKI
AHLI LEMBAGA / BOARD MEMBER



DATUK Ir. AMRULLAH BIN KAMAL
AHLI LEMBAGA / BOARD MEMBER



Ir. OMAR BIN MAT PIAH
AHLI LEMBAGA / BOARD MEMBER



PROF. Ir. MEGAT JOHARI BIN MEGAT MOHD NOOR
AHLI LEMBAGA / BOARD MEMBER



Ir. SUNDARAJ A/I. A. KRISHNASAMY
AHLI LEMBAGA / BOARD MEMBER



Ir. DAVID LAI KONG PHOOI
AHLI LEMBAGA / BOARD MEMBER



PROF. Ir. DR. NORLIDA BINTI BUNIYAMIN
AHLI LEMBAGA / BOARD MEMBER



Ir. FAM YEW HIN
AHLI LEMBAGA / BOARD MEMBER



Ir. GOPAL NARIAN KUTTY
AHLI LEMBAGA / BOARD MEMBER



Ir. LEE BOON CHONG
AHLI LEMBAGA / BOARD MEMBER



DATO' Sr. JAAFAR BIN SHAHIDAN
AHLI LEMBAGA / BOARD MEMBER



Ar. ZURAINA LEILY BINTI AWALUDDIN
AHLI LEMBAGA / BOARD MEMBER

JAWATANKUASA PENGURUSAN 2018-2019

MANAGEMENT COMMITTEE 2018-2019



Dato' Ir. Dr. Meor Abdul Aziz Bin Osman
YANG DIPERTUA PRESIDENT



Datuk Paduka Ir. Keizrul bin Abdullah
AHLI JAWATANKUASA / MEMBER



Dato' Ir. (Dr) Abdul Rahim bin Hashim
AHLI JAWATANKUASA / MEMBER



Dato' Wira Ir. Md Sidek bin Ahmad
AHLI JAWATANKUASA / MEMBER



Dato' Ir. Dr. Md Nasir bin Md Noh
AHLI JAWATANKUASA / MEMBER



Ir. Prem Kumar
AHLI JAWATANKUASA / MEMBER



Ir. Mohd Rousdin Hassan
AHLI JAWATANKUASA / MEMBER



Datuk Ir. Mohd Adnan bin Mohd Nor
AHLI LEMBAGA / BOARD MEMBER



Datuk Ir. Ruslan bin Abdul Aziz
AHLI JAWATANKUASA / MEMBER



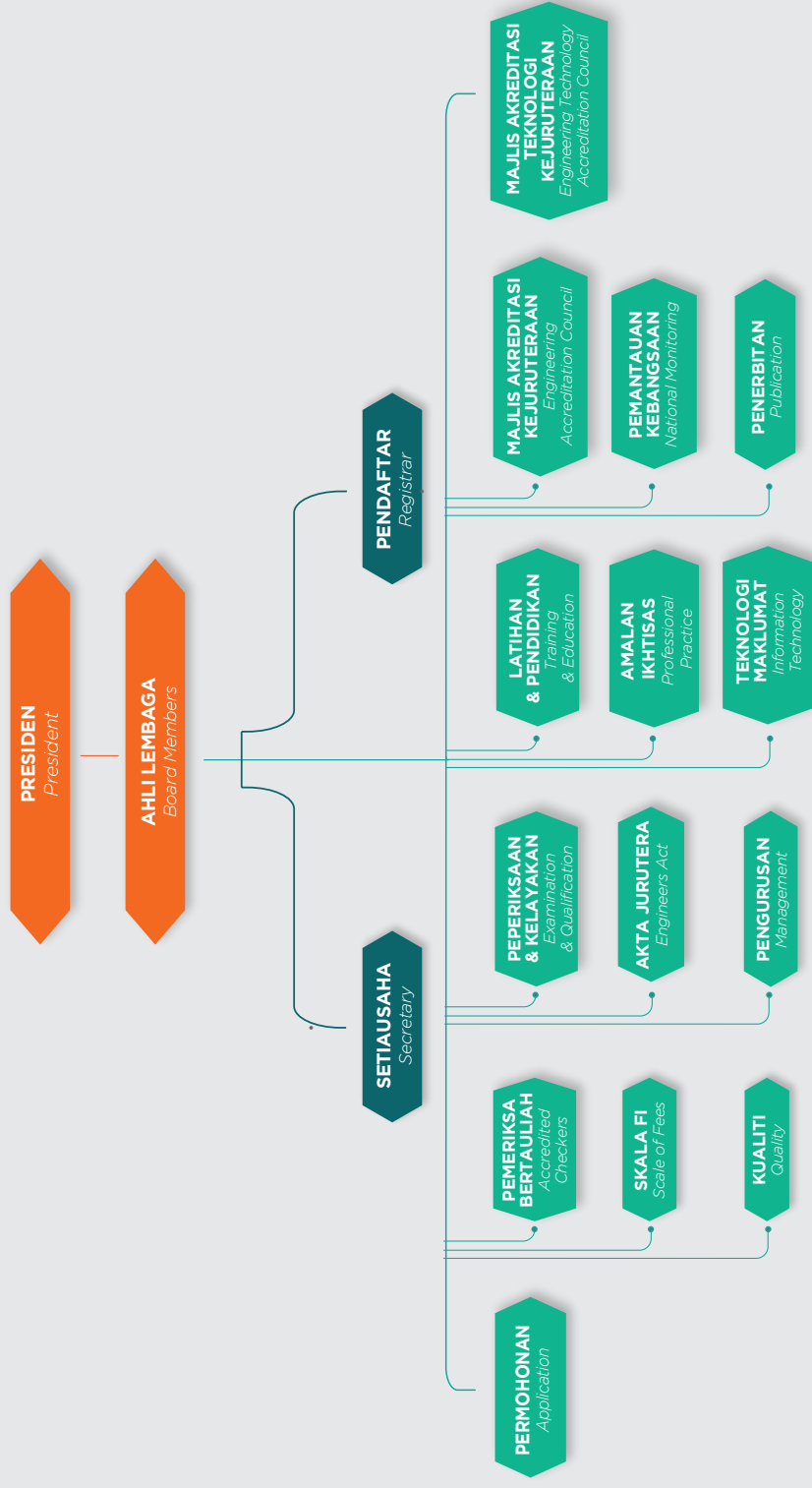
Ir. Suhaizad Hj Sulaiman
SETIAUSAHA / SECRETARY



Ir. Hizamul-din Ab Rahman
PENDAFTAR / REGISTRAR

STRUKTUR ORGANISASI LJM 2019

BEM ORGANISATIONAL STRUCTURE 2019



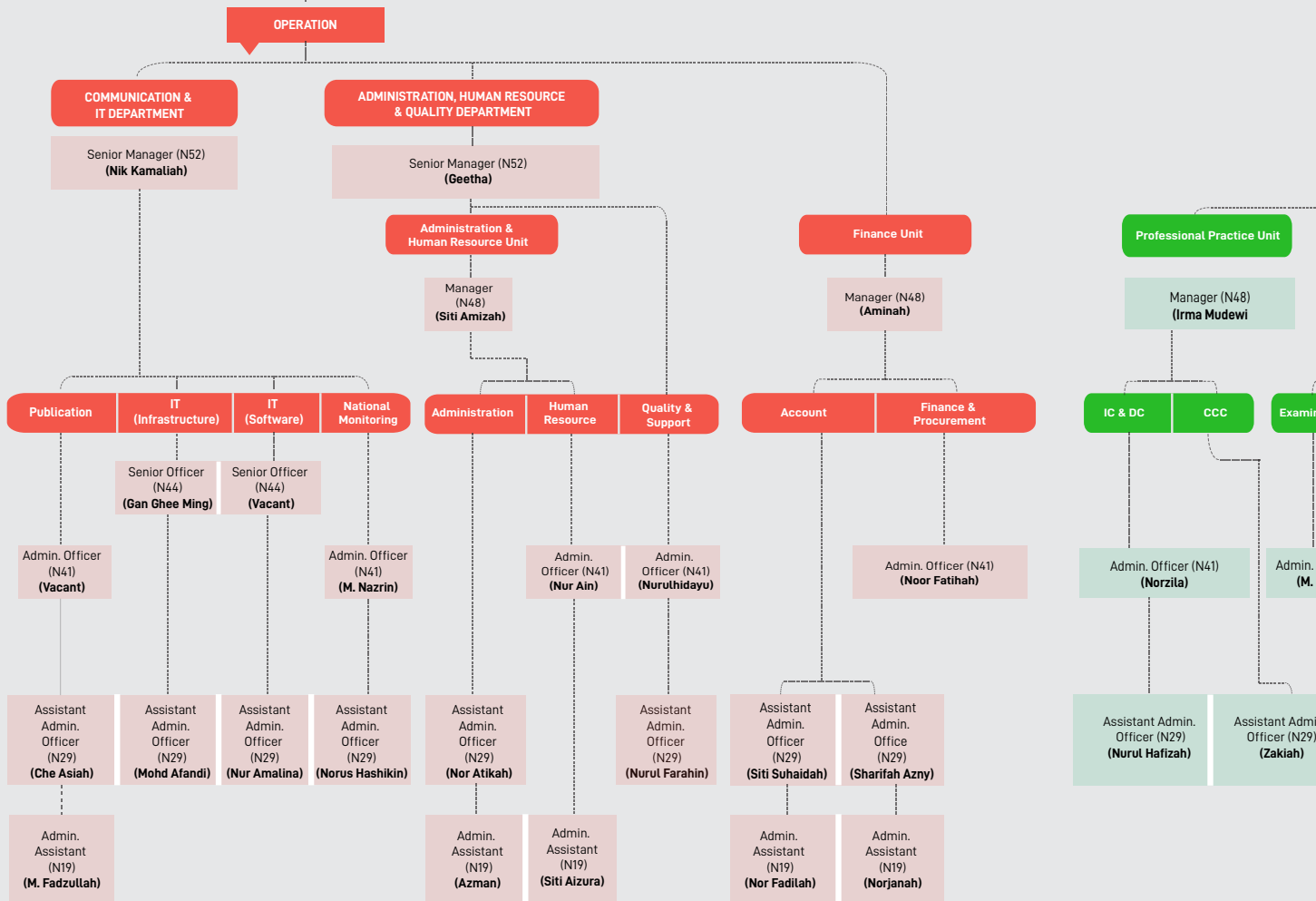
CARTA OPERASI LJM 2019

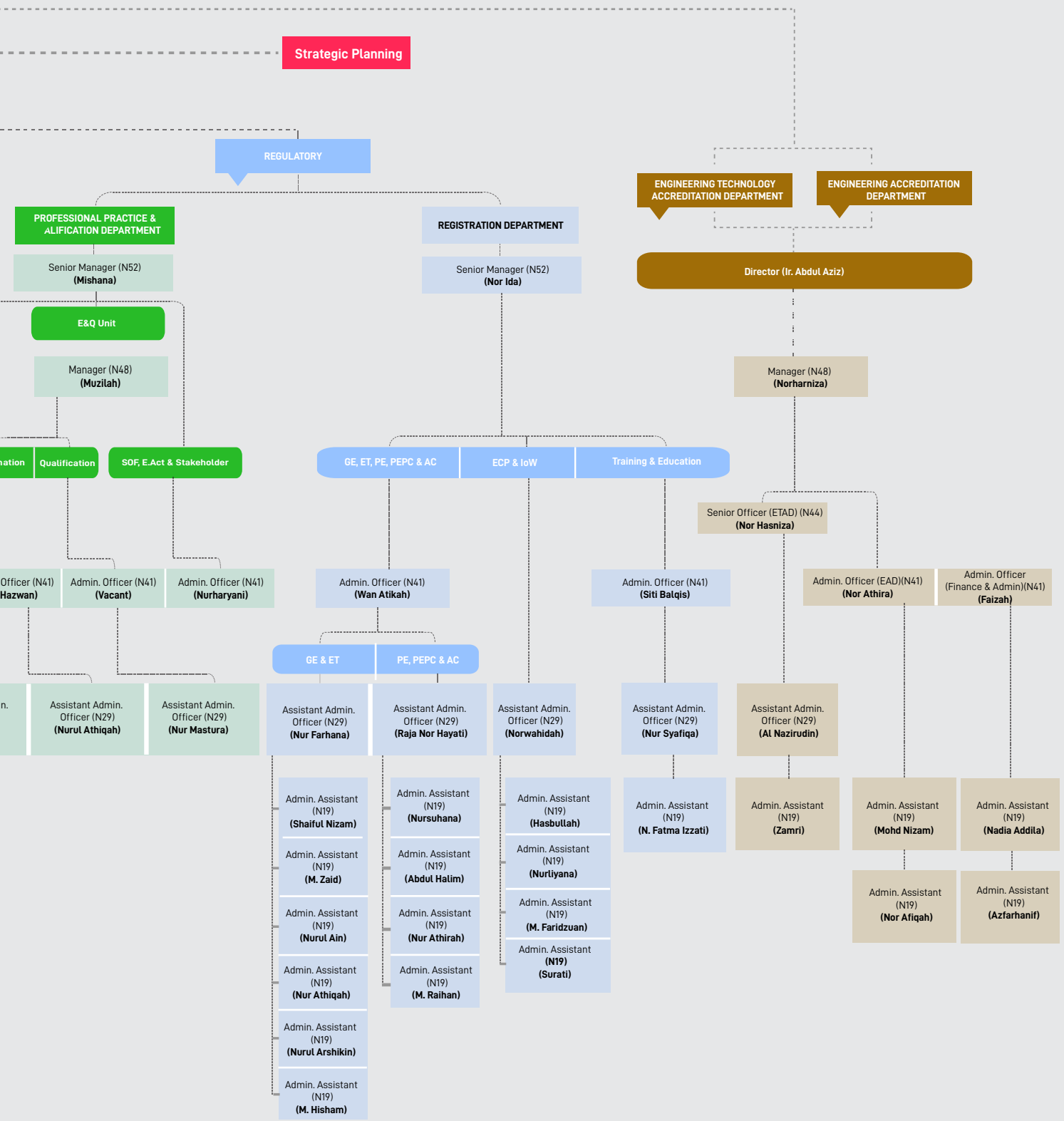
BEM OPERATIONAL CHART 2019

PRESIDENT & BOARD MEMBERS

SECRETARY & REGISTRAR

EXECUTIVE DIRECTOR
(Ir. Mohd Noramil)









TADBIR
URUS KORPORT
2019

CORPORATE
GOVERNANCE

TADBIR URUS KORPORAT

Lembaga diuruskan berdasarkan prinsip Tadbir Urus Korporat dengan rujukan utama kepada Akta Pendaftaran Jurutera 1967 (REA1967) dan Peraturan Pendaftaran Jurutera 1990 (RER1990), sejajar dengan fungsinya seperti yang termaktub dalam Seksyen 4 REA1967.

Pelbagai jawatankuasa tetap telah ditubuhkan untuk memantau dan mengukuhkan pelaksanaan REA1967 dan RER1990 seperti:

JAWATANKUASA PENGURUSAN

Ahli:

- 1(a) Dato' Sri Ir. Dr. Roslan bin Md. Taha (Awam) (Pengerusi)(Jan-April 2019)
- 1(b) Dato' Ir. Dr. Meor Abdul Aziz bin Osman (Awam) (Pengerusi) (April-November 2019)
- 1(c) Ir. Kamaluddin bin Haji Abdul Rashid (Pengerusi) (Awam) (November-December 2019)
2. Datuk Paduka Ir. Keizrul bin Abdullah (Awam)
3. Datuk Wira Ir. Md Sidek bin Ahmad (Elektrikal)
4. Datuk Ir. (Dr) Abdul Rahim bin Hashim (Elektrikal)
5. Datuk Ir. Ruslan bin Abdul Aziz (Awam)
6. Datuk Ir. Mohd Adnan bin Mohd Nor (Awam)
7. Ir. Mohd Rousdin Hassan (Awam)
8. Ir. Prem Kumar (Elektrikal)

Terma Rujukan:

- Menguruskan pentadbiran Lembaga.
- Menyediakan dasar sokongan kewangan.
- Menyimpan dan menyenggara akaun dan rekod yang berkaitan dengan tepat dan betul:
 - Aset dan liabiliti Lembaga
 - Jumlah wang yang diterima dan dibelanjakan atau di bawah kuasa Lembaga.
- Menentukan pengambilan kakitangan, gaji dan skim perkhidmatan kakitangan LJM.

JAWATANKUASA AKTA JURUTERA

Ahli:

1. Dato' Prof. Ir. Dr. Hassan bin Basri (Awam) (Pengerusi)

CORPORATE GOVERNANCE

The Board is managed based on its Corporate Governance principle, the Registration of Engineers Act 1967 (REA1967) and the Registration of Engineers Regulations (RER1990), in line with its functions as in Section 4 of the REA1967.

Numerous standing committees have been established to monitor and reinforce the implementation of the REA1967 and RER1990 such as:

MANAGEMENT COMMITTEE

Members:

- 1(a) Dato' Sri Ir. Dr. Roslan bin Md. Taha (Civil) (Chairman)(Jan-April 2019)
- 1(b) Dato' Ir. Dr. Meor Abdul Aziz bin Osman (Civil) (Chairman) (April-November 2019)
- 1(c) Ir. Kamaluddin bin Haji Abdul Rashid (Chairman) (Civil) (November-December 2019)
2. Datuk Paduka Ir. Keizrul bin Abdullah (Civil)
3. Datuk Wira Ir. Md Sidek bin Ahmad (Electrical)
4. Datuk Ir. (Dr) Abdul Rahim bin Hashim (Electrical)
5. Datuk Ir. Ruslan bin Abdul Aziz (Civil)
6. Datuk Ir. Mohd Adnan bin Mohd Nor (Civil)
7. Ir. Mohd Rousdin Hassan (Civil)
8. Ir. Prem Kumar (Electrical)

Terms of Reference:

- Managing the administration of the Board
- Set up policy on financial support
- Keep and maintain proper accounts and records relating to:
 - Assets and liabilities of the Board
 - The sums of money received and expended or under the authority of the Board
- Decide the new recruitment, salary and scheme of services of the Board's staff.

ENGINEERS ACT COMMITTEE

Members:

1. Dato' Prof. Ir. Dr. Hassan bin Basri (Civil) (Chairman)

2. Ir. Omar bin Mat Piah (Mekanikal) (Pengerusi Gantian)
3. Datuk Wira Ir. Md Sidek bin Ahmad (Elektrikal)
4. Datuk Paduka Ir. Keizrul bin Abdullah (Awam)
5. Dato' Ir. Chew Swee Hock (Awam)
6. Dato' Ir. Fong Tian Yong (Awam)
7. Ir. Prem Kumar (Elektrikal)
8. Ir. Lai Sze Ching (Mekanikal)
9. Prof. Ir. Megat Johari bin Megat Mohd Noor (Awam)
10. Ir. Ashari bin Mohd Yakub (Elektrikal)
11. Dato' Ir. Dr. Meor Abdul Aziz bin Osman (Awam)

Terma Rujukan:

- Membantu dan menasihati dalam perkara yang berhubungan dengan –
 - Akta Jurutera dan Peraturan; dan
 - Akta dan Undang-Undang lain yang boleh menjejaskan profesion kejuruteraan.
- Membincangkan dan mempertimbangkan keperluan untuk mengemas kini mana-mana bahagian Akta Jurutera dan Peraturan, sekiranya terdapat sebarang permasalahan yang dihadapi oleh Lembaga dalam pelaksanaan undang-undang berkaitan;
- Menjawab pertanyaan yang berkaitan dengan Akta Jurutera dan Peraturan; dan
- Mencadangkan kepada Lembaga dari semasa ke semasa perubahan yang perlu pada mana-mana bahagian Akta Jurutera dan Peraturan, dan mendraf pindaan kepada undang-undang tersebut selepas Lembaga bersetuju dengan perubahan tersebut.

JAWATANKUASA SKALA YURAN

Ahli:

1. Ir. Haji Omar bin Mat Piah (Mechanical) (Pengerusi)
2. Ir. Fam Yew Hin (Mechanical) (Pengerusi Gantian)
3. Datuk Ar. Ezumi Harzani bin Ismail
4. Dato' Ir. Nor Hisham bin Mohd Ghazali (Awam)
5. Ir. Lai Sze Ching (Mechanical)
6. Ir. David Lai Kong Phooi (Awam)

2. Ir. Omar bin Mat Piah (Mechanical) (Alternate Chairman)
3. Datuk Wira Ir. Md Sidek bin Ahmad (Electrical)
4. Datuk Paduka Ir. Keizrul bin Abdullah (Civil)
5. Dato' Ir. Chew Swee Hock (Civil)
6. Dato' Ir. Fong Tian Yong (Civil)
7. Ir. Prem Kumar (Electrical)
8. Ir. Lai Sze Ching (Mechanical)
9. Prof. Ir. Megat Johari bin Megat Mohd Noor (Civil)
10. Ir. Ashari bin Mohd Yakub (Electrical)
11. Dato' Ir. Dr. Meor Abdul Aziz bin Osman (Civil)

Terms of Reference:

- Assist and advice in matters relating to –
 - Engineers Act and Regulations; and
 - Other Acts and Bills that may affect or infringe the engineering profession.
- Discuss and deliberate on the need to update any part of the Engineers Act and Regulations, should there be any difficulties encountered by the Board in the implementation of the related laws;
- Attend to any enquiry pertaining to the Engineers Act and Regulations; and
- Propose to the Board from time to time necessary changes to any part of the Engineers Act and Regulations, and draft amendments to the said laws after the Board has agreed to the changes.

SCALE OF FEES COMMITTEE

Members:

1. Ir. Haji Omar bin Mat Piah (Mechanical) (Chairman)
2. Ir. Fam Yew Hin (Mechanical) (Alternate Chairman)
3. Datuk Ar. Ezumi Harzani bin Ismail
4. Dato' Ir. Nor Hisham bin Mohd Ghazali (Civil)
5. Ir. Lai Sze Ching (Mechanical)
6. Ir. David Lai Kong Phooi (Civil)

7. Ir. Chen Thiam Leong (Mechanical)
8. Ir. Yau Chau Fong (Elektrikal)
9. Ir. Dr. Tan Chee Fai (Mechanical)
10. Ir. Bashir Ahamed bin Maideen (Awam)
11. Ir. Badioezaman bin Ab Khalik (Awam)

Terma Rujukan:

- Mengkaji skala yuran dari semasa ke semasa dengan mengambil kira keperluan industri yang sentiasa berubah dan membuat cadangan kepada Lembaga.
- Mengemaskini Borang Model Perjanjian dari semasa ke semasa, dengan mengambil kira perubahan keperluan industri dan membuat cadangan kepada Lembaga.
- Membantu Lembaga membuat penjelasan kepada pertanyaan-pertanyaan mengenai perkara-perkara yang berkaitan dengan yuran profesional.
- Membantu Lembaga dalam membuat representasi kepada pihak berkuasa dan organisasi dalam perkara yang melibatkan Jurutera dengan mengambil kira yuran dan hak profesional.

JAWATANKUASA PEMANTAUAN KEBANGSAAN

Ahli:

LJM

Dato' Sri Ir. Dr. Roslan bin Md Taha (Awam) (Pengerusi)
 Datuk Wira Ir. Md. Sidek bin Ahmad (Elektrikal) (Pengerusi Gantian)
 Tan Sri Ir. Prof. Dr. Mohd Zulkifli bin Tan Sri Mohd Ghazali (Awam)

JURUTERA PROFESIONAL DAN LAIN-LAIN

Datuk Ir. Mohd Adnan bin Mohd Nor (Awam)
 Dato' Prof. Ir. Dr. Hassan bin Basri (Awam)
 Ir. Rocky Wong Hon Thang (Elektrikal)
 Prof. Ir. Megat Johari bin Megat Mohd Noor (Awam)

IEM

Ir. David Lai Kong Phooi (Awam)
 Ir. Ong Ching Loon (Mekanikal)

7. Ir. Chen Thiam Leong (Mechanical)
8. Ir. Yau Chau Fong (Electrical)
9. Ir. Dr. Tan Chee Fai (Mechanical)
10. Ir. Bashir Ahamed bin Maideen (Civil)
11. Ir. Badioezaman bin Ab Khalik (Civil)

Terms of Reference:

- Review the scale of fees from time to time, taking into Committee consideration the changing need of the industry, and make recommendations to the Board.
- Update the Model Form of Agreement from time to time, taking into consideration the changing need of the industry, and make recommendations to the Board.
- Assist the Board in making clarifications to enquiries on matters relating to professional fees.
- Assist the Board in making representations to relevant authorities and organisations on matters affecting Engineers with regard to fees and professional rights.

NATIONAL MONITORING COMMITTEE

Members:

BEM

Dato' Sri Ir. Dr. Roslan bin Md Taha (Civil) (Chairman)
 Datuk Wira Ir. Md. Sidek bin Ahmad (Electrical) (Alternate Chairman)
 Tan Sri Ir. Prof. Dr. Mohd Zulkifli bin Tan Sri Mohd Ghazali (Civil)

IDENTIFIED PE AND OTHERS

Datuk Ir. Mohd Adnan bin Mohd Nor (Civil)
 Dato' Prof. Ir. Dr. Hassan bin Basri (Civil)
 Ir. Rocky Wong Hon Thang (Electrical)
 Prof. Ir. Megat Johari bin Megat Mohd Noor (Civil)

IEM

Ir. David Lai Kong Phooi (Civil)
 Ir. Ong Ching Loon (Mechanical)

ACEM

Ir. Dr. Wong Wai Wah (Awam)

Terma Rujukan:

- Mewakili Lembaga dalam mesyuarat / persidangan berkaitan dengan Perikatan Kejuruteraan Antarabangsa seperti Daftar APEC, IntPE, Permuafakatan Washington, Permuafakatan Sydney dan Permuafakatan Dublin.
- Melaksanakan fungsi Jawatankuasa Pemantauan mengikut Perkara 4.2, MRA ASEAN mengenai Perkhidmatan Kejuruteraan.
- Mewakili Lembaga dalam forum / persidangan yang berkaitan dengan amalan kejuruteraan profesional antarabangsa dan perkara-perkara lain yang berkaitan.
- Mengambil bahagian secara aktif dalam organisasi antarabangsa:
 - dalam perkara yang berkaitan dengan amalan kejuruteraan terbaik
 - melindungi disiplin kejuruteraan Malaysia
- Menasihati dan mengesyorkan tindakan yang perlu diambil oleh Lembaga mengenai perkara-perkara tersebut.
- Menubuhkan satu pasukan petugas dalam bidang berkaitan.

JAWATANKUASA PERMOHONAN

Ahli:

1. Dato' Prof. Ir. Dr. Hassan bin Basri (Awam) (Pengerusi)
2. Ir. David Lai Kong Phooi (Awam) (Pengerusi Gantian)
3. Ir. K. Sundraraj (Awam)
4. Dato' Ir. Dr. Khoo Ping Sen (Awam)
5. Dato' Prof. Ir. Dr. Othman bin A. Karim (Awam)
6. Ir. Magdalene Tan Lee (Elektrikal)
7. Ir. Prof. Dr. K. S. Kannan (Mekanikal)
8. Ir. Noor Hisham bin Yahaya (Mekanikal)
9. Ir. Razmahwata bin Mohamad Razalli (Kimia)
10. Ir. Ashari bin Mohd Yakub (Elektrikal)
11. Ir. Dr. Lee Yun Fook (Awam)

ACEM

Ir. Dr. Wong Wai Wah (Civil)

Terms of Reference:

- Represent the Board in meetings / conference in matter related to International Engineering Alliance such as APEC register, IntPE, Washington Accord, Sydney Accord and Dublin Accord.
- Perform the functions of the Monitoring Committee, i.e. MC as per Article of 4.2 of the ASEAN MRA on Engineering Services.
- Represent the Board at forum / conferences related to international professional engineering practice and other related matters.
- Actively participate in international organisation:
 - in matter related to best engineering practice
 - to safeguard the Malaysian engineering discipline
- Advise and recommend actions to be taken by the Board on such matters.
- Set up a working group in areas of interest.

APPLICATION COMMITTEE

Members:

1. Dato' Prof. Ir. Dr. Hassan bin Basri (Civil) (Chairman)
2. Ir. David Lai Kong Phooi (Civil) (Alternate Chairman)
3. Ir. K. Sundraraj (Civil)
4. Dato' Ir. Dr. Khoo Ping Sen (Civil)
5. Dato' Prof. Ir. Dr. Othman bin A. Karim (Civil)
6. Ir. Magdalene Tan Lee (Electrical)
7. Ir. Prof. Dr. K. S. Kannan (Mechanical)
8. Ir. Noor Hisham bin Yahaya (Mechanical)
9. Ir. Razmahwata bin Mohamad Razalli (Chemical)
10. Ir. Ashari bin Mohd Yakub (Electrical)
11. Ir. Dr. Lee Yun Fook (Civil)

Terma Rujukan:

- Proses, menaksir, menilai, meluluskan dan menolak permohonan untuk pendaftaran sebagai orang yang berdaftar di bawah REA1967 seperti berikut:
 - o Jurutera Profesional dengan Perakuan Amalan
 - o Jurutera Profesional
 - o Pemeriksa Bertauliah
 - o Jurutera Siswazah
 - o Teknologis Kejuruteraan
 - o Pemeriksa Tapak
- Memproses, menaksir, menilai, meluluskan dan menolak permohonan untuk pendaftaran sebagai amalan perundingan kejuruteraan di bawah REA1967 seperti berikut:
 - o Pertubuhan Perbadanan (Badan Korporat)
 - o Amalan Pelbagai Disiplin
 - o Perkongsian
 - o Pemilik Tunggal
- Memaklumkan keputusan permohonan pendaftaran dalam tempoh empat bulan dari tarikh permohonan lengkap diterima.

JAWATANKUASA PEMERIKSA BERTAULIAH

Ahli:

1. Ir. K. Sundraraj (Awam) (Pengerusi)
2. Dato' Ir. Dr. Md Nasir bin Md Noh (Awam) (Pengerusi Gantian)
3. Dato' Ir. Fong Tian Yong (Awam)
4. Dato' Ir. Dr. Ashaari bin Mohamad (Awam)
5. Datuk Ir. Ruslan bin Abdul Aziz (Awam)
6. Ir. Dr. Wong Chin Chaw (Awam)
7. Ir. Dr. Mohd Asbi bin Othman (Awam)
8. Ir. Tang Kam Kok (Awam)
9. Ir. Mohd Noor Azudin bin Mansor (Awam)
10. Ir. Ishak bin Abdul Rahman (Awam)
11. Ir. Dr. Tan Yean Chin (Awam)

Terms of Reference:

- Process, assess, evaluate, approve and reject application for registration as registered person under the REA1967 as follows:
 - o Professional Engineer with Practising Certificate
 - o Professional Engineer
 - o Accredited Checker
 - o Graduate Engineer
 - o Engineering Technologist
 - o Inspector of Works
- Process, assess, evaluate, approve and reject application for registration as engineering consultancy practices under the REA1967 as follows:
 - o Body Corporate
 - o Multi-disciplinary Practice
 - o Partnership
 - o Sole Proprietor
- Inform the decision of application for registration within four months for the date of receipt of complete application.

ACCREDITED CHECKERS COMMITTEE

Members:

1. Ir. K. Sundraraj (Civil) (Chairman)
2. Dato' Ir. Dr. Md Nasir bin Md Noh (Civil) (Alternate Chairman)
3. Dato' Ir. Fong Tian Yong (Civil)
4. Dato' Ir. Dr. Ashaari bin Mohamad (Civil)
5. Datuk Ir. Ruslan bin Abdul Aziz (Civil)
6. Ir. Dr. Wong Chin Chaw (Civil)
7. Ir. Dr. Mohd Asbi bin Othman (Civil)
8. Ir. Tang Kam Kok (Civil)
9. Ir. Mohd Noor Azudin bin Mansor (Civil)
10. Ir. Ishak bin Abdul Rahman (Civil)
11. Ir. Dr. Tan Yean Chin (Civil)

Terma Rujukan:

- Membantu Lembaga dalam menjalankan fungsinya seperti yang ditetapkan di bawah Seksyen 4(1)(a) dan Seksyen 10B Akta Pendaftaran Jurutera 1967.
- Membantu Lembaga dalam merangka dan mengemaskini dasar dan prosedur pendaftaran Pemeriksa Bertauliah.
- Menilai permohonan untuk didaftarkan sebagai Pemeriksa Bertauliah
- Mengendali temuduga Pemeriksa Bertauliah.
- Mencadangkan kepada Lembaga senarai orang yang berkelayakan untuk didaftarkan sebagai Pemeriksa Bertauliah
- Merumus, mengemaskini dan menerbitkan garis panduan yang perlu.

JAWATANKUASA PEPERIKSAAN & KELAYAKAN

Ahli:

1. Ir. Prof. Megat Johari bin Megat Mohd Noor (Awam) (Pengerusi)
2. Ir. Fam Yew Hin (Mekanikal) (Pengerusi Gantian)
3. Dato' Prof. Ir. Dr. Hassan bin Basri (Awam)
4. Ir. Prem Kumar (Elektrikal)
5. Ir. Prof. Dr. K.S. Kannan (Mekanikal)
6. Prof. Ir. Dr. Abdul Aziz bin Abd Raman (Kimia)
7. Ir. Magdalene Tan Lee (Elektrikal)
8. Ir. Wong Shu Leong (Elektrikal)
9. Prof. Madya Ir. Dr. Abd Rahim bin Abu Talib (Aeronautikal)
9. Ir. Lee Boon Chong (Elektrikal)
11. Datuk Ir. Mohd Adnan bin Mohd Nor (Awam)

Terma Rujukan:

- Menguruskan semua peperiksaan penilaian kejuruteraan yang diperlukan oleh Lembaga termasuk pentadbiran, penyumberan luar dan memastikan standard dan kualiti peperiksaan.
- Menguruskan semua peperiksaan

Terms of Reference:

- Carry out the functions of the Board as stipulated under Section 4(1)(a) and Section 10B of the Registration of Engineers Act 1967.
- Formulate and update policy and procedure for registration of Accredited Checkers.
- Assess the application for registration as Accredited Checker
- Conduct of Accredited Checkers Interview
- Recommend to the Board the list of qualified people to be registered as Accredited Checker
- Formulate, update and publish the necessary guidelines.

EXAMINATION & QUALIFICATION COMMITTEE

Members:

1. Ir. Prof. Megat Johari bin Megat Mohd Noor (Civil) (Chairman)
2. Ir. Fam Yew Hin (Mechanical) (Alternate Chairman)
- 3.. Dato' Prof. Ir. Dr. Hassan bin Basri (Civil)
4. Ir. Prem Kumar (Electrical)
5. Ir. Prof. Dr. K.S. Kannan (Mechanical)
6. Prof. Ir. Dr. Abdul Aziz bin Abd Raman (Chemical)
7. Ir. Magdalene Tan Lee (Electrical)
8. Ir. Wong Shu Leong (Electrical)
9. Prof. Madya Ir. Dr. Abd Rahim bin Abu Talib (Aeronautical)
10. Ir. Lee Boon Chong (Electrical)
11. Datuk Ir. Mohd Adnan bin Mohd Nor (Civil).

Terms of Reference:

- Monitoring all engineering assessment examinations as required by the Board.
- Managing all engineering assessment

penilaian kejuruteraan sebagaimana yang dikehendaki oleh Lembaga.

- Memastikan kualiti dan konsistensi pemeriksa dengan menjalankan latihan / bengkel dari semasa ke semasa.
- Melaporkan kepada Lembaga prestasi mana-mana organisasi sumber luar terlibat dalam menjalankan peperiksaan bagi pihak Lembaga dari semasa ke semasa.
- Menilai dan menaksir ijazah kejuruteraan yang tidak diiktiraf.
- Sebarang perkara yang dirujuk kepada Lembaga akan dipertimbangkan secara ad-hoc termasuk mengkaji penubuhan:
 - o Peperiksaan Kompetensi Profesional (PCE)
 - o Audit Keselamatan Jalan Raya dan Penilaian Kesan Trafik (RSA & TIA)
 - o Pemeriksa Tapak (IOW)
 - o Teknologis Kejuruteraan

JAWATANKUASA LATIHAN & PENDIDIKAN

Ahli:

1. Datuk Ir. Mohd Adnan bin Mohd Nor (Awam) (Pengerusi)
2. Datu Ir. Zuraimi bin Haji Sabki (Kimia) (Pengerusi Gantian)
3. Ir. Dr. Muhamad Fuad bin Abdullah (Elektrikal)
4. Ir. Prof. Dr. Abdul Aziz bin Abdul Raman (Kimia)
5. Ir. Dr. Siti Hawa bt Hamzah (Awam)
6. Ir. Mustaffa bin Tek (Mekanikal)
7. Ir. Dr. Muhammad Arkam bin Che Munaaim (Elektrikal)
8. Ir. Mohd Khir bin Muhammad (Aeronautik)
9. Ir. K. Sundraraj (Awam)
10. Prof. Ir. Dr. Abdul Aziz bin Abdul Samad (Awam)
11. Datuk Ir. Ahmad Redza bin Ghulam Rasool (Awam)

Terma Rujukan:

- Merancang dan memantau pelaksanaan CPD Orang Berdaftar.
- Menggalakkan, memulakan, memotivasi dan jika perlu, membantu dalam menjalankan aktiviti seperti kursus, bengkel, seminar yang sesuai untuk orang berdaftar.

examinations required by the Board including administration, outsourcing and ensuring the standard and quality of the examination.

- Ensure the quality and consistency of examiners by conducting training / workshops from time to time.
- Report to the Board the performance of any outsource organisation involved in conducting examinations on behalf of the Board from time to time.
- Evaluation and assessment of non-accredited engineering degrees.
- Any matter referred by the Board will be considered on an ad-hoc basis including looking into the establishment of:
 - o Professional Competency Examination (PCE)
 - o Road Safety Audit & Traffic Impact Assessment (RSA & TIA)
 - o Inspector of Works (IOW)
 - o Engineering Technologist

TRAINING & EDUCATION COMMITTEE

Members:

1. Datuk Ir. Mohd Adnan bin Mohd Nor (Civil) (Chairman)
2. Datu Ir. Zuraimi bin Haji Sabki (Chemical) (Alternate Chairman)
3. Ir. Dr. Muhamad Fuad bin Abdullah (Electrical)
4. Ir. Prof. Dr. Abdul Aziz bin Abdul Raman (Chemical)
5. Ir. Dr. Siti Hawa bt Hamzah (Civil)
6. Ir. Mustaffa bin Tek (Mechanical)
7. Ir. Dr. Muhammad Arkam bin Che Munaaim (Electrical)
8. Ir. Mohd Khir bin Muhammad (Aeronautical)
9. Ir. K. Sundraraj (Civil)
10. Prof. Ir. Dr. Abdul Aziz bin Abdul Samad (Civil)
11. Datuk Ir. Ahmad Redza bin Ghulam Rasool (Civil)

Terms of Reference:

- Plan and monitor the implementation of CPD for registered persons.
- Encourage, initiate, motivate and where necessary assist in the conducting of activities such as courses, workshops, seminars suitable for registered persons.

- Mengikuti perkembangan dalam latihan dan pendidikan orang berdaftar dan menasihati Lembaga.
- Menyediakan kemudahan untuk mempromosikan pembelajaran dan pendidikan dan mengadakan atau menyebabkan diadakan program pembangunan profesional, termasuk program pembangunan profesional yang berterusan bagi orang yang berdaftar untuk meningkatkan lagi pengetahuan mereka dalam perkembangan terkini yang berkaitan dengan profesion itu.

JAWATANKUASA AMALAN IKHTISAS

Ahli:

1. (Ir. K. Sundraraj(Awam) (Pengerusi)
2. Ir. Gopal Narian Kutty (Mekanikal) (Pengerusi Gantian)
3. Datuk Paduka Ir. Keizrul bin Abdullah (Awam)
4. Dato' Ir. Fong Tian Yong (Awam)
5. Dato' Ir. Mohd Fazli bin Osman (Elektrikal)
6. Datuk Ir. Mohammad Azman bin Jamrus (Awam)
7. Ir. Dr. Mohd Asbi bin Othman (Awam)
8. Ir. Chem Thiam Leong (Mekanikal)
9. Ir. Prem Kumar (Elektrikal)
10. Ir. Wong Shu Leong (Elektrikal)
11. Ir. Anuar bin Mohd Aris (Awam)
12. Ir. Dr. Tan Yean Chin (Awam)
13. Ir. Bashir Ahamed bin Maideen (Awam)
14. Encik Hasnan bin Abdul Hamid (Awam)
15. Wakil daripada Polis DiRaja Malaysia

Terma Rujukan:

- Membantu Lembaga dalam perkara yang berkaitan dengan "tata kelakuan profesional" dan "etika" Jurutera Berdaftar; dan garis panduan ini adalah untuk penggunaan kedua-dua Jawatankuasa Amalan Profesional dan Jawatankuasa Penyiasat dengan tujuan untuk memastikan konsistensi dalam prosiding tatatertib yang dijalankan oleh Lembaga di bawah Akta Pendaftaran Jurutera.
- Menentukan dan mencadangkan kepada Lembaga untuk penerimaan Tata Kelakuan Profesional Jurutera; dan untuk mengkaji semula dan mengemas kini Tata Kelakuan Profesional.

- Keep abreast of development in the training and education of registered persons and to advise the Board.
- To provide facilities for the promotion of learning and education and to hold or cause to be held professional development programmes, including continuing professional development programmes for registered persons to further enhance their knowledge in the latest developments relating to that profession.

PROFESSIONAL PRACTICE COMMITTEE

Members:

1. Ir. K. Sundraraj (Civil) (Chairman)
2. Ir. Gopal Narian Kutty (Mechanical) (Alternate Chairman)
3. Datuk Paduka Ir. Keizrul bin Abdullah (Civil)
4. Dato' Ir. Fong Tian Yong (Civil)
5. Dato' Ir. Mohd Fazli bin Osman (Electrical)
6. Datuk Ir. Mohammad Azman bin Jamrus (Civil)
7. Ir. Dr. Mohd Asbi bin Othman (Civil)
8. Ir. Chem Thiam Leong (Mechanical)
9. Ir. Prem Kumar (Electrical)
10. Ir. Wong Shu Leong (Electrical)
11. Ir. Anuar bin Mohd Aris (Civil)
12. Ir. Dr. Tan Yean Chin (Civil)
13. Ir. Bashir Ahamed bin Maideen (Civil)
14. Encik Hasnan bin Abdul Hamid (Civil)
15. Representative from Polis DiRaja Malaysia

Terms of Reference:

- Assist the Board in matters pertaining to "professional conduct" and "ethics" of Registered Engineers; and these guidelines are for the use of both the Professional Practice Committee and Investigating Committee with a view to ensuring consistency in disciplinary proceedings carried out by the Board under the Registration of Engineers Act.
- Determine and recommend to the Board for acceptance the Code of Professional Conduct for Engineers; and to regularly review and update them.

- Menentukan dan mencadangkan kepada Lembaga untuk penerimaan garis panduan bagi tata-kelakuan Jurutera Profesional dan Amalan Perundingan Kejuruteraan; dan untuk mengkaji semula dan mengemas kini garis panduan tersebut.
- Membantu Lembaga dalam mendengar aduan dan menentukan hujah yang berkaitan dengan tata kelakuan profesional atau etika Jurutera berdaftar dan amalan perunding kejuruteraan.
- Mencadangkan kepada Lembaga bagi pelantikan kes Jawatankuasa Penyiasatan di mana Jawatankuasa Amalan Ikhtisas mendapati terdapat alasan prima facie untuk siasatan lanjut yang mendalam.
- Menasihati Lembaga mengenai skop dan tanggungjawab Amalan Profesional.
- Determine and recommend to the Board for acceptance the guidelines for professional conduct of Engineers and Engineering Consultancy Practices; and to regularly review and update them.
- Assist the Board in hearing complaints and determine disputes relating to professional conduct or ethics of registered Engineers and Engineering Consultancy Practices.
- Recommend to the Board for the appointment of Investigating Committee cases where the Professional Practice Committee finds there are prima facie grounds for further in-depth investigation.
- Advise the Board on the scope of Professional Practice and responsibility.

JAWATANKUASA TEKNOLOGI MAKLUMAT

Ahli:

1. Ir. Lee Boon Chong (Elektrikal) (Pengerusi)
2. Ir. Fam Yew Hin (Mekanikal) (Pengerusi Gantian)
3. Dato' Prof. Ir. Dr. Othman bin A. Karim (Awam)
4. Ir. Dr. Muhamad Fuad bin Abdullah (Elektrikal)
5. Ir. Dr. Megat Zuhairy bin Megat Tajuddin (Elektrikal)
6. Ir. Dr. David Chuah Joon Huang (Komputer)
7. Ir. Abdullah bin Isnin (Awam)
8. Ir. K. Sundraraj (Awam)
9. Dr. Shaiful Jahari Hashim (Elektronik)
10. Encik Nazri bin Ahmad Zamani
11. Puan Marlina binti Maharon

Terma Rujukan:

- Membangun, menyelenggara, mengemaskini secara berterusan dan menambah baik kemudahan dan sistem IT di LJM.
- Bertanggungjawab memantau dan menyelenggara kemudahan dan sistem IT di LJM.
- Berperanan sebagai penasihat kepada Lembaga dan jawatankuasa lain.
- Mewakili Lembaga mengenai perkara yang berkaitan dengan IT.
- Memudahkan penyebaran dan penerimaan maklumat secara elektronik.

INFORMATION TECHNOLOGY COMMITTEE

Members:

1. Ir. Lee Boon Chong (Electrical) (Chairman)
2. Ir. Fam Yew Hin (Mechanical) (Alternate Chairman)
3. Dato' Prof. Ir. Dr. Othman bin A. Karim (Civil)
4. Ir. Dr. Muhamad Fuad bin Abdullah (Electrical)
5. Ir. Dr. Megat Zuhairy bin Megat Tajuddin (Electrical)
6. Ir. Dr. David Chuah Joon Huang (Computer)
7. Ir. Abdullah bin Isnin (Civil)
8. Ir. K. Sundraraj (Civil)
9. Dr. Shaiful Jahari Hashim (Electronic)
10. Encik Nazri bin Ahmad Zamani
11. Puan Marlina binti Maharon

Terms of Reference:

- Develop, maintain and continuously update and improve the IT facilities and systems in BEM.
- Responsible for monitoring and maintaining IT facilities and system in BEM.
- Advisory role to the Board and other committees.
- Represent the Board on matters relating to IT.
- Facilitate collation and receiving of information electronically

JAWATANKUASA PENERBITAN

Ahli:

1. Prof. Ir. Dr. Norlida binti Buniyamin (Elektrikal) (Pengerusi)
2. Datuk Ir. Amrullah bin Kamal (Awam) (Pengerusi Gantian)
3. Dato' Ir. Fong Tian Yong (Awam)
4. Dato' Ir. Ali Askar bin Sher Mohamad (Elektrikal)
5. Ir. Dr. Che Hassandi bin Abdullah (Awam)
6. Prof. Ir. Dr. K.S. Kannan (Mekanikal)
7. Assoc. Prof. Ir. Dr. Rozita binti Yusoff (Kimia)
8. Ir. Dr. Zuhairi bin Abdul Hamid (Awam)
9. Ir. Mohd Rasid bin Osman (Pembuatan)
10. Ir. Aziz bin Yahya (Mekanikal)
11. Ir. Mohd Khir bin Muhammad (Aeronautik)

Terma Rujukan:

- Menentukan identiti dan falsafah korporat LJM
- Membina imej LJM di kalangan mereka yang berkepentingan.
- Mempublikitikan peranan dan aktiviti-aktiviti, maklumat serta keputusan yang dibuat oleh LJM kepada orang berdaftar, pihak berkepentingan lain dan media massa.
- Mengekalkan dan menggalakkan hubungan rapat dengan semua pihak berkepentingan.
- Menyediakan draf bahan publisiti, buku maklumat, siaran media dan ucapan-ucapan serta penerbitan lain yang berkaitan, yang akan menyokong peranan LJM.
- Mencapai kualiti yang tinggi dalam pengeluaran penerbitan LJM seperti The Ingenieur, buku kecil dan lain-lain.
- Berusaha membiayai kos pengeluaran The Ingenieur dengan aktiviti pengiklanan.
- Bertukar-tukar penerbitan dengan badan-badan profesional yang lain, institusi pengajian tinggi dan agensi-agensi kerajaan yang berkaitan termasuk badan-badan profesional antarabangsa.
- Mengekalkan dan mengemas kini perpustakaan LJM.
- Pusat Maklumat Depositori LJM.

PUBLICATION COMMITTEE

Members:

1. Prof. Ir. Dr. Norlida binti Buniyamin (Electrical) (Chairman)
2. Datuk Ir. Amrullah bin Kamal (Civil) (Alternate Chairman)
3. Dato' Ir. Fong Tian Yong (Civil)
4. Dato' Ir. Ali Askar bin Sher Mohamad (Electrical)
5. Ir. Dr. Che Hassandi bin Abdullah (Civil)
6. Ir. Prof. Dr. K.S. Kannan (Mechanical)
7. Assoc. Prof. Ir. Dr. Rozita binti Yusoff (Chemical)
8. Ir. Dr. Zuhairi bin Abdul Hamid (Civil)
9. Ir. Mohd Rasid bin Osman (Manufacturing)
10. Ir. Aziz bin Yahya (Mechanical)
11. Ir. Mohd Khir bin Muhammad (Aeronautical)

Terms of Reference:

- Define a corporate identity and philosophy for the BEM.
- Build up the image of the BEM among its stakeholders.
- Publicise the role and activities of, information about, and decisions made by the BEM to registered engineers, other stakeholder and mass media.
- Maintain and promote close liaison with all stakeholders.
- Prepare drafts of publicity materials, information booklets, media releases and speeches and other related publication, which will support the role of BEM.
- Achieve high quality in the production of publications of BEM such as The Ingenieur, booklets etc.
- Strive towards making the production of The Ingenieur self-financing.
- Exchange publications with other professional bodies, institutions of higher learning and related government agencies including international professional bodies.
- Maintain and update the BEM library.
- Central Information Depository of the BEM.

JAWATANKUASA KUALITI

Ahli:

1. Ir. Gopal Narian Kutty (Mekanikal) (Pengerusi)
2. Dato' Ir. Dr. Md Nasir bin Md Noh (Awam) (Pengerusi Gantian)
3. Ir. Dr. Ahmad Anuar bin Othman (Awam)
4. Prof. Madya Ir. Dr. Abd Rahim bin Abu Talib (Aeronautik)
5. Ir. Mohd Rasid bin Osman (Pembuatan)
6. Ir. Gunasagaran a/l Kristnan (Awam)
7. Ir. Dr. Nor Azhar bin Mohd Arif (Elektronik)
8. Prof. Ir. Megat Johari bin Megat Mohd Noor (Awam)
9. Ir. Mamat Rohizan bin Abdullah (Mekanikal)
10. Ir. Zainal Abidin bin Saidun (Awam)
11. Puan Mastura binti Shaari

Terma Rujukan:

Jawatankuasa Kualiti dilantik oleh Lembaga untuk mengambil alih peranan Jawatankuasa Kajian Semula Pengurusan.

- Meningkatkan Sistem Pengurusan Kualiti (QMS) Lembaga melalui aktiviti penambahbaikan yang berterusan.
- Mengkaji semula dokumen QMS Lembaga sekurang-kurangnya sekali setahun.
- Memastikan QMS Lembaga difahami dan dilaksanakan mengikut Objektif Kualiti dalam Manual Kualiti.
- Mengkaji prestasi keseluruhan QMS Lembaga dan membuat cadangan kepada Lembaga ke arah peningkatan QMS yang berkesan.

QUALITY COMMITTEE

Members:

1. Ir. Gopal Narian Kutty (Mechanical) (Chairman)
2. Dato' Ir. Dr. Md Nasir bin Md Noh (Civil) (Alternate Chairman)
3. Ir. Dr. Ahmad Anuar bin Othman (Civil)
4. Prof. Madya Ir. Dr. Abd Rahim bin Abu Talib (Aeronautical)
5. Ir. Mohd Rasid bin Osman (Manufacturing)
6. Ir. Gunasagaran a/l Kristnan (Civil)
7. Ir. Dr. Nor Azhar bin Mohd Arif (Electronic)
8. Prof. Ir. Megat Johari bin Megat Mohd Noor (Civil)
9. Ir. Mamat Rohizan bin Abdullah (Mechanical)
10. Ir. Zainal Abidin bin Saidun (Civil)
11. Puan Mastura binti Shaari

Terms of Reference:

Quality Committee is appointed by the Board to take over the role of Management Review Committee.

- Enhance the Board's QMS through continual improvement activities.
- Review Board's QMS documents at least once a year.
- Ensure the Board's QMS is understood and implemented as per the quality objectives in the Quality Manual.
- Review the overall performance of the Board's QMS and make recommendations to the Board for effective enhancement of the QMS.

MAJLIS AKREDITASI KEJURUTERAAN

Memastikan Pendidikan Kejuruteraan Berkualiti

ENGINEERING ACCREDITATION COUNCIL

Ensuring Quality Engineering Education

MAJLIS AKREDITASI KEJURUTERAAN

Majlis Akreditasi Kejuruteraan (EAC) merupakan badan yang ditugaskan oleh LJM untuk pengakreditasi ijazah kejuruteraan. EAC telah ditubuhkan pada tahun 2000, yang terdiri daripada wakil-wakil dari Lembaga Jurutera Malaysia (LJM), Institusi Jurutera Malaysia (IEM), Agensi Kelayakan Malaysia (MQA), dan Jabatan Perkhidmatan Awam (JPA). Sejak penubuhannya, EAC melalui Jabatan Akreditasi Kejuruteraan (EAD) yang ditubuhkan secara rasmi pada tahun 2006, telah memastikan bahawa melalui proses akreditasi, kualiti graduan dapat dipertingkatkan. Program yang diiktiraf ini diletakkan di dalam Daftar EAC dan MQA.

Salah satu pencapaian terbesar EAC adalah kejayaan memperolehi status penandatanganan penuh Washington Accord (WA) untuk Malaysia (LJM) pada tahun 2009. LJM diberi lanjutan enam tahun, dengan 16 penandatanganan telah sebulat suara bersetuju menerima cadangan Pasukan Kajian di Bengkel & Mesyuarat IEA 2016 yang diadakan dari 30 Mei hingga 3 Jun 2016 dan dihoskan oleh LJM dan IEM. Melalui pengiktirafan ini, program kejuruteraan diakreditasi EAC kini diiktiraf oleh 20 penandatanganan WA. Program kejuruteraan yang diakreditasi oleh EAC kini ditandaaras kepada standard antarabangsa yang memberi penekanan kepada kualiti program dan lulusan yang dihasilkan. EAC bertekad terus memperkuat standard akreditasi tinggi untuk menjadi pemangkin utama bagi perubahan di Malaysia dan rantau ini.

Sumbangan secara langsung kepada kepentingan negara Malaysia ini, di mana melalui standard pendidikan yang dipertingkatkan, sistem pendidikan dan kualiti negara ini kini bertaraf dunia, setanding dengan banyak negara maju di dunia. Ini telah meyakinkan dan

ENGINEERING ACCREDITATION COUNCIL

Engineering Accreditation Council (EAC) is the body delegated by BEM for accreditation of engineering degrees. The EAC was established in year 2000, comprising representatives from the Board of Engineers Malaysia (BEM), Institution of Engineers Malaysia (IEM), Malaysian Qualifications Agency (MQA), and the Public Services Department (PSD). Since its establishment, the EAC through the Engineering Accreditation Department (EAD – established officially in 2006) has ensured that through the accreditation process, the qualities of graduates of accredited programmes enhanced. Accredited programmes are placed in the EAC and MQA registers.

One of the greatest achievements of the EAC was the successful accomplishment of the full signatory status of the Washington Accord (WA) for Malaysia (BEM) in 2009. The BEM was given an extension of six years, with 16 signatories unanimously agreed to accept the recommendation of the Review team in the IEA Workshop & Meeting 2016 that was held from 30th May till 3rd June 2016, hosted by BEM and IEM. Through this recognition, EAC's accredited engineering programmes are now mutually recognised by the current 20 other signatories of WA. The EAC's accredited engineering programmes are now benchmarked to an international standard that emphasises much on the quality of the programmes and graduates produced. EAC is determined to uphold the high standard of accreditation processes to become the main catalyst for change in Malaysia and the region.

This contribution is direct to the national interest of Malaysia, where through enhanced education standard, this country's education system and quality is now at a world class standard, at par with many advanced countries in the world. This has attracted many foreign

menarik banyak universiti asing untuk membuka kampus cawangan di Malaysia, dengan secara tidak langsung, membantu mempercepatkan Malaysia menjadi hab pendidikan kejuruteraan antarabangsa.

Peranan LJM dalam IEA dan WA sangat penting. LJM telah mencapai pengiktirafan dan aktiviti berikut:

- EAC telah dilantik sebagai ahli Jawatankuasa Tetap Mesyuarat Saringan Awal (MSA) and Jawatankuasa Pendidikan Tinggi (JKPT), Jabatan Pendidikan Tinggi bagi sesi 2018-2019.
- Seorang ahli Majlis EAC telah dilantik sebagai penceramah jemputan di International Symposium on Quality Assurance in Engineering Education through Accreditation yang dianjurkan oleh Board of Accreditation for Engineering and Technical Education (BAETE) di Dhaka, Bangladesh pada 13-14 Mac 2019.
- EAC telah mengambil bahagian sebagai Pemerhati di Mesyuarat Lembaga Akreditasi yang diadakan oleh The Hong Kong Institution of Engineers (HKIE) pada 16 April 2019.
- EAC telah mewakili LJM dengan menghadiri mesyuarat IEA 2019 apada 9-14 Jun 2019 yang diadakan di Hong Kong.
- EAC mewakili LJM sebagai penceramah pada Bengkel 'Hands-on Orientation on Outcomes-based Education (OBE)' yang dianjurkan oleh Board of Accreditation for Engineering and Technical Education (BAETE) pada 18 Jun 2019.
- EAC telah mengambil bahagian dalam Flexibleeducation Seminar 2019 (FlexEd) pada 3 -4 Julai 2019 yang dianjurkan oleh Jabatan Pendidikan Tinggi.
- Seorang ahli Majlis EAC telah dilantik sebagai Ketua Pasukan Semakan (Review Team) bagi mengkaji semula, memeriksa dan mengulas aktiviti akreditasi bagi National Board of Accreditation India (NBA) oleh Washington Accord (WA) pada 10-22 September 2019.

universities into opening up branch campuses in Malaysia with confidence, thus helping to expedite Malaysia becoming an international hub of engineering education.

BEM's role in the IEA and WA has been significant. BEM has achieved the following recognitions:

- EAC has been appointed as permanent committee members in Mesyuarat Saringan Awal (MSA) and Jawatankuasa Pendidikan Tinggi (JKPT), Ministry of Education, Malaysia for 2018-2019 session.
- One of EAC members has been appointed as a speaker for International Symposium on Quality Assurance in Engineering Education through Accreditation conducted by Board of Accreditation for Engineering and Technical Education (BAETE) in Dhaka, Bangladesh on 13-14 March 2019.
- EAC participated as an Observer at Accreditation Decision Meeting (ADM) held by The Hong Kong Institution of Engineers (HKIE) on 16 April 2019.
- EAC represented BEM at IEA 2019 meeting held on 9-14 June 2019 in Hong Kong.
- EAC represented BEM as speaker at 'Hands-on Orientation on Outcomes-based Education (OBE)' workshop conducted by Board of Accreditation for Engineering and Technical Education (BAETE) on 18 June 2019.
- EAC participated in Flexibleeducation Seminar 2019 (FlexEd) on 3 - 4 July 2019 conducted by the Department of Higher Education.
- One of EAC members was appointed as Head of the Review Team by Washington Accord (WA) to review the accreditation activities of National Board of Accreditation India (NBA) on 10-22 September 2019.

- Wakil EAC menyampaikan kertas kerja kepada ahli fakulti, Board of Accreditation for Engineering and Technical Education (BAETE) pada 6-10 Oktober 2019.
- EAC telah menerima lawatan 2 pemerhati antarabangsa daripada The Council for Regulation of Engineering in Nigeria (COREN) pada lawatan akreditasi EAC pada 9-10 Oktober 2019.
- Wakil EAC turut menjadi penceramah pada 2nd PEC Deans International Conference of Engineering Institution pada 14-15 Oktober 2019 di Islamabad, Pakistan.
- EAC representative delivered a presentation to Faculty Member for Board of Accreditation for Engineering and Technical Education (BAETE) on 6-10 October 2019.
- EAC received two international observers from The Council for Regulation of Engineering in Nigeria (COREN) for EAC accreditation process on 9-10 October 2019.
- EAC representative delivered a speech at 2nd PEC Deans International Conference of Engineering Institution on 14-15 October 2019 di Islamabad, Pakistan.

Penglibatan dalam badan WA, NABEEA, Eropah dan lain-lain (seperti CTI Perancis), telah meningkatkan reputasi LJM ke arah pengukuhan pengiktirafan antarabangnya

Cabaran-cabaran Malaysia seterusnya adalah bagi memenuhi standard antarabangsa. EAC telah menubuhkan pelan tindakan strategik dan sasaran untuk memastikan EAC memenuhi cabaran ini.

EAC kini beroperasi di bawah belanjawannya sendiri yang diperolehi daripada yuran akreditasi yang dibayar oleh institusi pengajian tinggi (IHL) dan sokongan berterusan LJM.

Operasi EAC disokong oleh cabang pentadbirannya, Jabatan Akreditasi (AD) yang terdiri daripada seorang Pengarah, enam Pengarah Bersekutu (mengikut disiplin kejuruteraan) dan sekretariat. Sebuah Panel Perundingan Akreditasi (ACP) telah ditubuhkan dengan peranan sebagai badan penasihat kepada AD dalam hal-hal yang berkaitan dengan arahan dan pelaksanaan visi, misi dan perancangan strategik EAC dan ETAC. Jabatan ini juga disokong oleh pasukan petugas dan jawatankuasa yang mengawasi pembangunan manual akreditasi, perubahan budaya berasaskan hasil di institusi pengajian tinggi, jaminan kualiti dan hal ehwal antarabangsa.

The Board's involvement in the WA, NABEEA, European and other bodies (such as CTI of France), had enhanced BEM's reputation towards strengthening its international recognition.

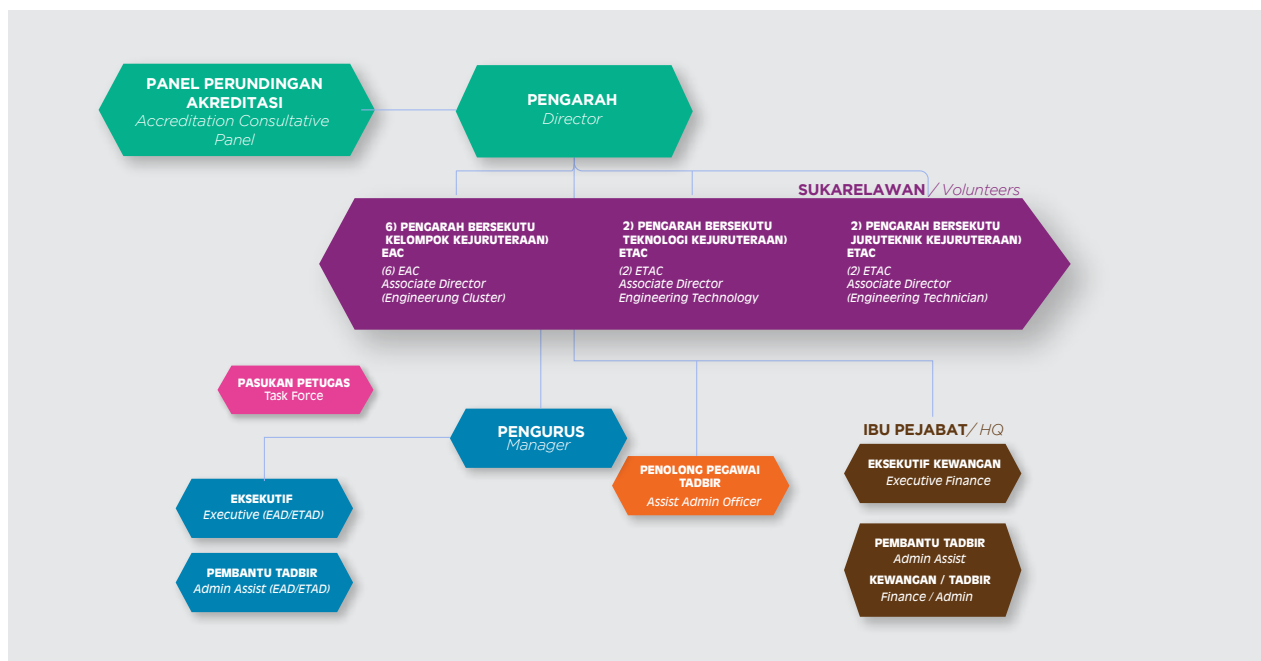
The challenges that remain ahead for Malaysia are to keep abreast with the international standards and expectations. EAC has established strategic, action plans and targets to ensure that EAC meets these challenges.

EAC is currently operating under its own budget obtained from accreditation fee paid by institution of higher learnings (IHLs) and continuous support of the BEM.

The operation of EAC is supported by its administrative arm, the Accreditation Department (AD). The set up includes a Director, six engineering clusters of Associate Directors and a secretariat. An Accreditation Consultative Panel (ACP) has been established with the role as an advisory body to AD in matters pertaining to the direction and execution of the EAC's and ETAC's vision, mission and strategic planning. The Department is also supported by a task force and its committees that oversee the development of accreditation manuals, the outcome-based culture change at institutions of higher learning, quality assurance and international affairs.

CARTA ORGANISASI EAC & ETAC

EAC & ETAC Organisation Chart



Ahli:

LJM

1. Ir. Megat Johari bin Megat Mohd Noor (Awam) - (Pengerusi)
2. Dato' Ir. Abdul Rashid bin Maidin (Awam)
3. Datuk (Dr) Ir. Abdul Rahim bin Hashim (Elektrikal)
4. Dato' Prof. Ir. Dr. Hassan bin Basri (Awam)
5. Prof Emeritus Dr. K S Kannan (Mekanikal)
6. Ir. Rocky Wong Hon Thang (Elektrikal)

INDUSTRI

7. Datuk Wira Ir. Md Sidek bin Ahmad (Elektrikal)
8. Tan Sri Dato' (Dr) Ir. Jamilus bin Hussein (Awam)
9. Ir. Dr. Shahrudin bin Muslimin (Elektrikal)

IEM

10. Ir. Lee Boon Chong (Elektrikal) - (Timbalan Pengerusi)
11. Ir. Ong Ching Loon (Mekanikal)
12. Ir. Prof. Dr. Mohd Ali Hashim (Kimia)
13. Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik (Elektrikal)
14. Ir. Prof. Dr. Zainal Abidin Ahmad (Elektronik)
15. Ir. Jayaseelan Nadarajah (Mekanikal)

Members:

BEM

1. Ir. Megat Johari bin Megat Mohd Noor (Civil) - (Chairman)
2. Dato' Ir. Abdul Rashid bin Maidin (Civil)
3. Datuk (Dr) Ir. Abdul Rahim bin Hashim (Electrical)
4. Dato' Prof. Ir. Dr. Hassan bin Basri (Civil)
5. Ir. Prof. Emeritus Dr. K.S. Kannan (Mechanical)
6. Ir. Rocky Wong Hon Thang (Electrical)

INDUSTRY

7. Datuk Wira Ir. Md Sidek bin Ahmad (Electrical)
8. Tan Sri Dato' (Dr) Ir. Jamilus bin Hussein (Civil)
9. Ir. Dr. Shahrudin bin Muslimin (Electrical)

IEM

10. Ir. Lee Boon Chong (Electrical) - (Deputy Chairman)
11. Ir. Ong Ching Loon (Mechanical)
12. Ir. Prof. Dr. Mohd Ali Hashim (Chemical)
13. Tan Sri Dato' Ir. Prof. Emeritus Dr. Chuah Hean Teik (Electrical)
14. Ir. Prof. Dr. Zainal Abidin Ahmad (Electronic)
15. Ir. Jayaseelan Nadarajah (Mechanical)

JPA

16. Puan Durratul Ain binti Hj Yaacob
Puan Noorfaizah binti Asmuni
(Wakil Pengganti)

MQA

17. Muhamad Amran Zainal Abidin
18. Encik Mohd Ishak bin Mohd Hussaini
(Wakil Pengganti)

Terma Rujukan:

1. Menggubal dan mengemaskini dasar dan kriteria akreditasi.
2. Meluluskan garis panduan terperinci dan prosedur operasi pengakreditasi.
3. Mengawasi semua urusan operasi, dan melantik ahli-ahli Panel Penilai.
4. Menerima laporan penilaian program-program kejuruteraan dan membuat keputusan sama ada akreditasi patut diberi atau sebaliknya.
5. Mewujudkan dan menyenggara senarai program kejuruteraan tempatan dan luar negara yang diiktiraf.
6. Memberi maklumbalas terhadap sebarang aduan atau rayuan mengenai proses akreditasi dan apa-apa cadangan untuk perubahan.
7. Menyelia pembangunan dan operasi akreditasi dan pengiktirafan bersama program dengan negara-negara lain.
8. Memastikan Ahli Lembaga sentiasa dimaklumkan mengenai aktiviti EAC dan jika perlu, membuat cadangan kepada Lembaga.
9. Mengalakkan penyebaran perkembangan dan amalan terbaik dalam pendidikan kejuruteraan.
10. Menasihati Lembaga ke atas pernyataan awam atau representasi yang perlu dibuat berhubung dengan pendidikan kejuruteraan.
11. Mengadakan mesyuarat perundingan dengan IPT bila perlu.
12. Mengadakan mesyuarat sekurang-kurangnya enam kali setahun.

OBJEKTIF AKREDITASI

Objektif akreditasi adalah untuk memastikan graduan daripada program kejuruteraan yang diiktiraf memenuhi keperluan akademik minimum untuk pendaftaran sebagai jurutera siswazah dengan LJM.

JPA

16. Puan Durratul Ain binti Hj Yaacob
Puan Noorfaizah binti Asmuni
(Alternate Representative)

MQA

17. Muhamad Amran Zainal Abidin
18. Encik Mohd Ishak bin Mohd Hussaini
(Alternate Representative)

Terms of Reference:

1. Formulate and update the accreditation policies and criteria.
2. Approve detailed guidelines and operating procedures for accreditation.
3. Oversee all operational arrangements, and appoint members of the Evaluation Panel.
4. Receive evaluation report on engineering programmes, and decide whether accreditation should be granted or otherwise.
5. Establish and maintain a list of local and foreign accredited engineering programmes.
6. Respond to any complaints or appeals concerning the accreditation process and to any proposals for change.
7. Oversee the development and operation of accreditation and mutual recognition of programmes with other countries.
8. Keep the Board informed of the activities of EAC and where necessary, make recommendations to the Board.
9. Foster the dissemination of developments and best practices in engineering education.
10. Advise the Board on public statements or representations that should be made in relation to engineering education.
11. Hold consultation meetings with IHLs as and when necessary.
12. Hold meetings at least 6 times per year.

ACCREDITATION OBJECTIVE

The objective of accreditation is to ensure that graduates of the accredited engineering programmes satisfy the minimum academic requirements for registration as a graduate engineer with the BEM.

Di samping itu, objektif akreditasi adalah untuk memastikan bahawa Peningkatan Kualiti Berterusan (CQI) diamalkan oleh Institusi Pengajian Tinggi (IPT). Akreditasi juga boleh berfungsi sebagai alat penanda aras program kejuruteraan yang ditawarkan oleh IPT di Malaysia.

EAD menguruskan proses permohonan untuk kelulusan dan akreditasi program kejuruteraan. Pengakreditasi adalah secara sukarela; walau bagaimanapun program kejuruteraan perlu diiktiraf bagi membolehkan graduan program-program ini didaftarkan dengan LJM.

STRATEGI

- Meningkatkan sistem pengurusan akreditasi
- Meningkatkan penglibatan antarabangsa.
- Menggalakkan jaringan dengan kakitangan pengurusan / utama.
- Mengekalkan panel penilai yang berpengalaman dalam bidang yang berkaitan.
- Mewujudkan panel penilai utama untuk penglibatan antarabangsa.
- Khidmat sokongan sekretariat

In addition, the objective of accreditation is to ensure that Continual Quality Improvement (CQI) is being practiced by IHLs. Accreditation may also serve as a tool to benchmark engineering programmes offered by IHLs in Malaysia.

The EAD manages the process of applications for approval and accreditation of engineering programmes. Accreditation is voluntary; however engineering programmes need to be accredited in order for the graduates of these programmes to be registered with the BEM.

STRATEGIES

- Enhance accreditation management system
- Enhance international involvement
- Promote networking with top management / key personnel
- Sustain experienced evaluators in relevant disciplines
- Establish panel of leading evaluators for international involvement
- Sustain the secretariat

MAJLIS AKREDITASI TEKNOLOGI KEJURUTERAAN

ENGINEERING TECHNOLOGY ACCREDITATION COUNCIL

MAJLIS AKREDITASI TEKNOLOGI KEJURUTERAAN

Majlis Akreditasi Teknologi Kejuruteraan (ETAC) merupakan badan yang diwakili oleh Lembaga Jurutera Malaysia (LJM). ETAC bermula sebagai Majlis Protem pada tahun 2011 untuk menyediakan peralihan lancar pengakreditasi program pendidikan Teknologi Kejuruteraan dan Juruteknik Kejuruteraan. Protem ETAC memberi tumpuan kepada program pendidikan berasaskan Sydney Accord dan memperoleh kelulusan Manual Akreditasi Teknologi Kejuruteraan yang pertama pada tahun 2015.

Dengan pindaan kepada Akta Pendaftaran Jurutera 1967 pada tahun 2015, LJM telah menubuhkan ETAC dengan Ahli Jawatankuasa seramai 21 ahli majlis yang terdiri daripada tujuh kumpulan (wakil LJM, persatuan berasaskan pendidikan, industri / majikan, Jabatan Perkhidmatan Awam (JPA), Agensi Kelayakan Malaysia (MQA), Kementerian dan wakil awam) sebagai satu-satunya badan akreditasi yang diiktiraf untuk ijazah teknologi kejuruteraan, diploma kejuruteraan dan program diploma teknologi kejuruteraan yang ditawarkan di Malaysia.

Daripada 21 anggota ETAC, lebih daripada 50% daripada mereka adalah wakil dari pelbagai bidang industri kejuruteraan. LJM percaya bahawa gabungan ahli yang baik dari latar belakang yang berlainan; pengamal, ahli akademik, agensi kerajaan dan masyarakat terpelajar akan memberikan kekuatan dan keseimbangan kepada Majlis untuk melaksanakan peranan dan fungsi mereka.

Operasi ETAC disokong oleh cabang pentadbirannya, Jabatan Akreditasi (AD) yang terdiri daripada seorang Pengarah, empat kumpulan pengarah bersekutu dan sekretariat.

ENGINEERING TECHNOLOGY ACCREDITATION COUNCIL

The Engineering Technology Accreditation Council (ETAC) is a delegated body by the Board of Engineers Malaysia (BEM). ETAC started as a Protem Council in 2011 in order to provide a smooth transition in the accreditation of Engineering Technology and Engineering Technician education programmes. The Protem ETAC initially focused on the Sydney Accord based education programmes, and obtained the approval of its inaugural Engineering Technology Accreditation Manual by the BEM in 2015.

With the 2015 amendment to the Registration of Engineers Act 1967, the BEM established a 21-member-council ETAC, comprising the seven groupings (BEM, learned bodies, industry/employer, Public Services Department (PSD), Malaysian Qualification Agency (MQA), Ministry, and public representatives) in 2015 as the only recognized accrediting body for engineering technology bachelor degree, engineering diploma and engineering technology diploma programmes offered in Malaysia.

Out of the 21 members of the ETAC, more than 50% of them are representatives from various fields of engineering industry. The BEM believes that a good mixture of members from different background; practitioners, academics, related government agencies and learned societies will provide strength and balance for the council to exercise its role and function.

The operation of ETAC is supported by its administrative arm, the Accreditation Department (AD). The set up includes a director, four groups of associate directors and a secretariat.

Jabatan ini juga disokong oleh pasukan petugas dan jawatankuasa yang mengawasi pembangunan manual akreditasi, perubahan budaya berasaskan hasil di institusi pengajian tinggi, jaminan kualiti dan hal ehwal antarabangsa.

ETAC memainkan peranan penting dalam memastikan program kejuruteraan teknologi kejuruteraan ETAC Malaysia, diploma kejuruteraan dan diploma teknologi kejuruteraan di Malaysia setara dengan kelayakan teknologi kejuruteraan penandatanganan Sydney Accord dan Dublin Accord.

ETAC memulakan pengakreditasiannya pada 2016. Tarikh akhir pemindahan kuasa dari MQA kepada LJM untuk menjalankan akreditasi program ijazah teknologi kejuruteraan adalah pada 1 Januari 2017, sementara untuk program teknik kejuruteraan bermula pada 1 Februari 2018.

Dalam Mesyuarat IEA yang diadakan pada bulan Jun 2018 London, BEM memperoleh satu lagi pencapaian penting apabila Malaysia diterima sebagai Penandatanganan Penuh Sydney Accord (SA) dan Dublin Accord (DA). Malaysia merupakan penandatanganan SA yang ke 11 dan DA yang ke 9 pada tahun itu.

Sumbangan secara langsung kepada kepentingan negara Malaysia ini, di mana melalui standard pendidikan yang dipertingkatkan, sistem pendidikan negara ini kini bertaraf dunia, setanding dengan banyak negara maju di dunia. Ini telah meyakinkan dan menarik banyak universiti asing untuk membuka kampus cawangan di Malaysia, dengan secara tidak langsung, membantu mempercepatkan Malaysia menjadi hab pendidikan kejuruteraan antarabangsa.

Peranan LJM dalam IEA dan SA dan DA sangat penting. LJM telah mencapai pengiktirafan berikut:

- ETAC terlibat dalam Mesyuarat Jawatankuasa Pemerikasaan TVET - Teknikal Bersama Semua Kementerian Penyedia TVET pada 22-24 Mac 2019 yang dianjurkan oleh Politeknik Seberang Perai, Penang.
- Lawatan mesra ke UiTM Shah Alam pada 5 April 2019 bagi menerangkan tentang pembangunan terkini Standard ETAC.

The Department is also supported by a task force and its committees that oversee the development of accreditation, the outcome-based culture change at institutions of higher learning, quality assurance and international affairs.

The ETAC was instrumental in ensuring Malaysia's ETAC accredited engineering technology bachelors' degree, engineering diploma and engineering technology diploma programmes are substantially equivalent to the engineering technology qualifications degrees of the signatories of the Sydney Accord and Dublin Accord.

The ETAC began its accreditation in 2016. The cut-off dates for the transfer of authority from MQA to BEM to conduct accreditation of engineering technology degree programmes was 1st January 2017, while for engineering technician programmes beginning 1st February 2018.

In IEA Meeting held in June 2018 London, BEM marked another major milestone with Malaysia being admitted as Full Signatory in the Sydney Accord (SA) and Dublin Accord (DA). Malaysia was the 11th of SA and the 9th of DA full members of that year.

This contribution serves the national interest of Malaysia, where through enhanced education standard, the country's education system is now at a world class standard on par with many advanced countries in the world. This has attracted many foreign universities in opening up branch campuses in Malaysia with confidence, thus helping to expedite Malaysia in becoming an international hub of engineering education.

BEM's role in the IEA and SA & DA have been significant. BEM has achieved the following recognitions:

- ETAC involved in 'Mesyuarat Jawatankuasa Pemerikasaan TVET - Teknikal Bersama Semua Kementerian Penyedia TVET' held on 22-24 March 2019 organised by Politeknik Seberang Perai, Penang.
- Courtesy Visit to UiTM Shah Alam held on 5 April 2019 to brief on the new approved ETAC Standard.

- Menghadiri Mesyuarat Jawatankuasa Kerja Mengenai Diploma Vokasional Malaysia - Kementerian Pendidikan Malaysia (DVM-KPM), ETAC pada 17 April 2019 yang dianjurkan oleh Universiti Kebangsaan Malaysia (UKM), Bangi.
- ETAC menghadiri mesyuarat IEA 2019 pada 9-14 Jun 2019 yang diadakan di Hong Kong.
- Kunjungan hormat JPPKK ke pejabat ETAC diadakan pada 7 Ogos 2019 di pejabat ETAD bagi membincangkan hal berkaitan program-program yang dijalankan oleh Politeknik.
- ETAC telah terlibat dalam sesi pembentangan laporan akhir kajian hala tuju bidang teknologi kejuruteraan yang dianjurkan oleh Jabatan Pendidikan Tinggi.
- ETAC telah terlibat dalam Bengkel 'Brainstorming' National STEM Agency yang dianjurkan oleh Jabatan Pendidikan Tinggi.
- Attended the Working Group meeting on 'Diploma Vokasional Malaysia - Kementerian Pendidikan Malaysia (DVM-KPM), ETAC' held on 17 April 2019 organised by Universiti Kebangsaan Malaysia (UKM), Bangi.
- ETAC attended IEA 2019 meeting held on 9-14 June 2019 in Hong Kong.
- Courtesy visit by JPPKK to ETAC held on 7 August 2019 at ETAD office to discuss on programmes conducted by Polytechnics.
- ETAC was involved in the presentation of the final report on the study of the direction for engineering technology that was conducted by the Department of Higher Education.
- ETAC was involved in the workshop namely 'Brainstorming' National STEM Agency that was conducted by the Department of Higher Education.

Lembaga Jurutera Malaysia telah meluluskan pindaan terhadap Manual Akreditasi Program Teknologi Kejuruteraan 2015 dan Manual Akreditasi Program Pengajian Juruteknik Kejuruteraan 2016 berkuatkuasa pada 1 Januari 2019. Kedua-dua manual ini kini dikenali sebagai Standard Akreditasi Program Teknologi Kejuruteraan 2019 dan Standard Akreditasi Program Pengajian Juruteknik Kejuruteraan 2019.

Pindaan terhadap kedua-dua standard adalah seperti berikut:

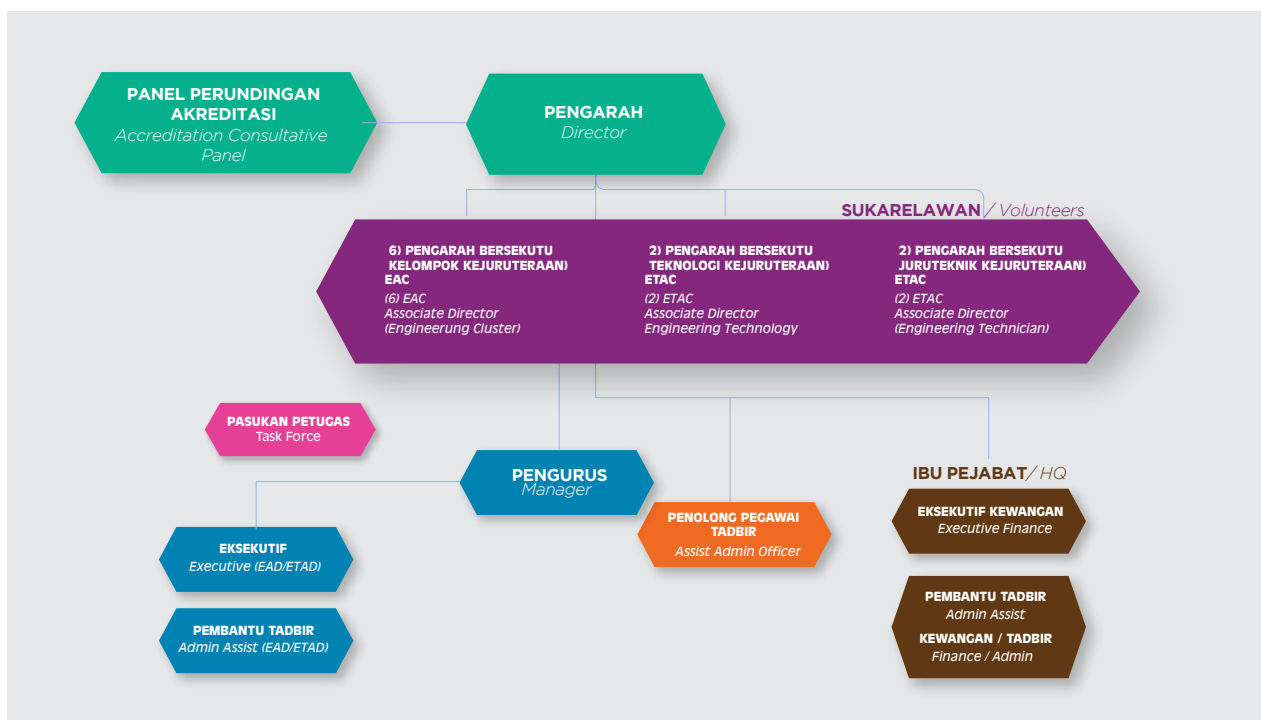
- Memasukkan komponen Pembelajaran Berasaskan Kerja (WBL) dalam kedua-dua Manual seperti yang disarankan oleh pihak Jabatan Pendidikan Politeknik dan Kolej Komuniti (JPPKK).
- Memasukkan komponen APEL A dan APEL C ke dalam kedua-dua Manual seperti yang disarankan oleh pihak Universiti Kuala Lumpur (UniKL).
- Menambahbaik Appendix F (garis panduan kepada IPT untuk penyediaan SAR) dan Appendix G (garis panduan penilaian kepada Panel Penilai) seperti yang disarankan oleh Pasukan Penyemak SA-DA.
- To include the Work Based Learning (WBL) in both Manuals as suggested by the Jabatan Pendidikan Politeknik dan Kolej Komuniti (JPPKK).
- To include the APEL A and APEL C in both Manuals as suggested by the Universiti Kuala Lumpur (UniKL).
- A few enhancements on Appendix F (IHL guidelines to prepare SAR) and Appendix G (EP guidelines on assessment) of both Manuals as commented and suggested by the SA-DA Review Team.

The Board had approved the amendment made to the Engineering Technology Programme Accreditation Manual 2015 and the Engineering Technician Education Programme Accreditation Manual 2016 with effect from 1st January 2019. The Manuals are now known as the Engineering Technology Programme Accreditation Standard 2019 and the Engineering Technician Education Programme Accreditation Standard 2019.

Amendments to the standards are as follows:

CARTA ORGANISASI EAC & ETAC

EAC & ETAC Organisation Chart



Ahli:

LJM

1. Datuk Wira Ir. Md Sidek bin Ahmad (Pengerusi)
2. Prof. Ir. Dr. Norlida binti Buniyamin (Timbalan Pengerusi)
3. Dato' Ir. Abdul Rashid bin Maidin
4. Prof. Ir. Megat Johari bin Megat Mohd Noor
5. YBhg. Dato' Prof. Ir. Dr. Hassan bin Basri
6. Prof. Dr. Wahid bin Razzaly
7. Puan Zainab binti Ahmad

PERSATUAN BERASASKAN PENDIDIKAN

1. Ir. Rocky Wong Hon Thang (MySET)
2. Dato' Prof. Dr. Ts. Abdul Hakim bin Juri (MySET)
3. Ir. Dr. Leong Wai Yie (IEM)
4. Ir. Yam Teong Sian (TAM)
5. En. Wan Hishamrudin bin Wan Ahmad Kaspi (COWAM)

KEMENTERIAN BERKAITAN

1. Dr. Mohd Rashid Buyong Hamzah (MOHR)

Members:

BEM

1. Datuk Wira Ir. Md Sidek bin Ahmad (Chairman)
2. Prof. Ir. Dr. Norlida binti Buniyamin (Deputy Chairman)
3. Dato' Ir. Abdul Rashid bin Maidin
4. Prof. Ir. Megat Johari bin Megat Mohd Noor
5. YBhg. Dato' Prof. Ir. Dr. Hassan bin Basri
6. Prof. Dr. Wahid bin Razzaly
7. Puan Zainab binti Ahmad

LEARNED SOCIETY

1. Ir. Rocky Wong Hon Thang (MySET)
2. Dato' Prof. Dr. Ts. Abdul Hakim bin Juri (MySET)
3. Ir. Dr. Leong Wai Yie (IEM)
4. Ir. Yam Teong Sian (TAM)
5. En. Wan Hishamrudin bin Wan Ahmad Kaspi (COWAM)

RELATED MINISTRY

1. Dr. Mohd Rashid Buyong Hamzah (MOHR)

2. Prof. Madya Dr. Wan Zuhainis Saad (Wakil ganti - MOHE)
3. Puan Durratul Ain binti Hj Yaacob (JPA)

AGENSI KERAJAAN BERKAITAN

1. En. Muhamad Amran Zainal Abidin (MQA)

INDUSTRI

1. Wan Nazmy bin Wan Mahmood (TNB)
2. Tuan Hj. Khairol Anuar bin Shukri (PETRONAS)
3. Ir. Kua Jit How (FMM)
4. En. Fairos bin Idrus (Telekom)

WAKIL AWAM

Dato' Hj. Imran bin Idris

Terma Rujukan:

- Merangka dan mengemaskini polisi dan kriteria akreditasi.
- Meluluskan garis panduan terperinci dan prosedur operasi untuk akreditasi.
- Mengawasi semua penyusunan operasi dan perlantikan ahli Panel Penilai.
- Menerima laporan penilaian program teknologi kejuruteraan dan juruteknik kejuruteraan dan memutuskan sama ada akreditasi perlu diberikan atau sebaliknya.
- Mewujudkan dan menyenggara senarai program teknologi kejuruteraan dan juruteknik kejuruteraan tempatan dan asing yang diiktiraf.
- Memberi maklumbalas terhadap sebarang aduan atau rayuan mengenai proses akreditasi dan sebarang cadangan perubahan.
- Mengawasi pembangunan dan operasi pengakreditasi serta pengiktirafan bersama program kejuruteraan dengan negara lain.
- Memastikan Lembaga dimaklumkan mengenai aktiviti-aktiviti ETAC dan jika perlu, membuat cadangan kepada Ahli Lembaga.

2. Prof. Madya Dr. Wan Zuhainis Saad (Alternate Representative - MOHE)
3. Puan Durratul Ain binti Hj Yaacob (JPA)

RELATED GOVERNMENT AGENCY

1. En. Muhamad Amran Zainal Abidin (MQA)

INDUSTRY

1. Wan Nazmy bin Wan Mahmood (TNB)
2. Tuan Hj. Khairol Anuar bin Shukri (PETRONAS)
3. Ir. Kua Jit How (FMM)
4. En. Fairos bin Idrus (Telekom)

PUBLIC REPRESENTATIVE

Dato' Hj. Imran bin Idris

Terms of Reference:

- Formulate and update the accreditation policies and criteria.
- Approve detailed guidelines and operating procedures for accreditation.
- Oversee all operational arrangements, and appoint members of the Evaluation Panel.
- Receive evaluation report on engineering technology and engineering technician programmes, and decide whether accreditation should be granted or otherwise.
- Establish and maintain a list of local and foreign accredited engineering technology and engineering technician programmes.
- Respond to any complaints or appeals concerning the accreditation process and to any proposals for change.
- Oversee the development and operation of accreditation and mutual recognition of programmes with other countries.
- Keep the Board informed of the activities of ETAC and where necessary make recommendations to the Board.

- Mengukuhkan penyebaran perkembangan dan amalan terbaik dalam bidang teknologi kejuruteraan dan pendidikan juruteknik kejuruteraan.
- Menasihati Lembaga mengenai pernyataan awam atau representasi yang perlu dibuat berhubung pendidikan teknologi kejuruteraan.
- Mengadakan mesyuarat perundingan dengan IPT bila perlu.
- Mengadakan mesyuarat sekurang-kurangnya 6 kali setahun.
- Memperluas Manual ETAC sedia ada untuk meliputi program diploma juruteknik kejuruteraan.
- Mencadangkan ahli ETAC tambahan jika perlu.
- Foster the dissemination of developments and best practices in engineering technology and engineering technician education.
- Advise the Board on public statements or representations that should be made in relation to engineering technology education.
- Hold consultation meetings with IHLs as and when necessary.
- Hold meetings at least 6 times per year.
- Expand the existing ETAC Manual so as to cover diploma programmes for engineering technician.
- Propose additional ETAC members if necessary.

MENGAWALSELIA TATA KELAKUAN ORANG BERDAFTAR

REGULATING CODE OF CONDUCT FOR REGISTERED PERSON

Fungsi-fungsi Lembaga di bawah Seksyen 4 Akta Pendaftaran Jurutera (REA) 1967 antara lain adalah:

(a) untuk mendengar dan menentukan pertikaian yang berkaitan dengan tata kelakuan profesional atau etika orang berdaftar atau melantik suatu jawatankuasa atau penimbang tara atau penimbang tara-penimbang tara untuk mendengar dan menentukan pertikaian tersebut.

Di bawah kuasa itu, Lembaga telah menubuhkan:

- (i) Jawatankuasa Penyiasatan (IC) di bawah Seksyen 24B,
- (ii) Jawatankuasa Tatatertib (DC) di bawah Seksyen 14A dan
- (iii) Sebuah Lembaga Rayuan di bawah Seksyen 20, REA.

Jawatankuasa Penyiasatan (IC)

Bagi setiap kes aduan Prima Facie yang diterima oleh Lembaga, sebuah IC akan ditubuhkan terdiri daripada seorang Pengerusi yang merupakan seorang Jurutera Profesional dengan Perakuan Amalan (PEPC) dan dua orang ahli, seorang daripadanya hendaklah merupakan seorang PEPC.

Setelah selesai penyiasatan, Jawatankuasa Penyiasatan hendaklah mengemukakan suatu laporan bersama-sama dengan cadangan, jika ada, kepada Lembaga atau Jawatankuasa Tatatertib untuk pertimbangan.

Jawatankuasa Tatatertib (DC)

Jawatankuasa Tatatertib hendaklah terdiri daripada anggota yang berikut.

- (a) seorang Pengerusi yang hendaklah merupakan seorang Jurutera Profesional dengan Perakuan Amalan;
- (b) seorang Jurutera Profesional yang berdaftar; dan

The functions of the Board under Section 4 of the Registration of Engineers Act (REA) 1967 among others are :

(a) to hear and determine disputes relating to professional conduct or ethics of registered Persons or to appoint a committee or arbitrator or arbitrators to hear and determine such disputes,

Under such power, the Board has set up:

- (i) Investigating Committee (IC) under Section 24B,
- (ii) Disciplinary Committee (DC) under Section 14A and
- (iii) an Appeal Board under Section 20 of the REA.

The Investigating Committee (IC)

For each Prima Facie complaint received by the Board, an IC shall be formed comprising of a Chairman who shall be a registered Professional Engineer with Practising Certificate (PEPC) and two members, one of whom shall be a PEPC.

Upon completion of its investigation, the Investigating Committee shall submit a report together with its recommendations, if any, to the Board or Disciplinary Committee for its consideration.

The Disciplinary Committee (DC)

The Disciplinary Committee shall consist of the following members:

- (a) a Chairman who shall be a registered Professional Engineer with Practising Certificate;
- (b) a registered Professional Engineer; and

(c) seorang Jurutera Profesional dengan Perakuan Amalan.

Terma Rujukan

(a) hendaklah mengadakan perbicaraan terhadap mana-mana salah laku atau aduan terhadap mana-mana Orang berdaftar yang dirujuk kepadanya oleh Jawatankuasa Penyiasatan;

(b) boleh membuat mana-mana atau apa-apa kombinasi perintah yang dinyatakan dalam seksyen 15 terhadap Orang berdaftar di bawah apa-apa keadaan yang dinyatakan dalam seksyen itu.

Lembaga Rayuan

Mana-mana jurutera yang tidak berpuas hati dengan perintah Jawatankuasa Tatatertib atau Lembaga yang dibuat di bawah subseksyen 15 (1A) atau 7A (5), boleh dalam masa 21 hari selepas diberitahu berkenaan penolakan, syarat, sekatan, pemotongan atau perintah, merayu kepada Lembaga Rayuan yang ditubuhkan di bawah seksyen 20 dan Lembaga Rayuan sesudah itu boleh membuat apa-apa perintah yang difikirkannya adil atau patut.

Lembaga Rayuan hendaklah terdiri daripada seorang Hakim Mahkamah Tinggi sebagai Pengerusi dan dua orang lain yang dilantik oleh Yang di-Pertuan Agong.

Selepas mendengar rayuan itu Lembaga Rayuan boleh mengesahkan atau mengubah keputusan Lembaga atau Jawatankuasa Tatatertib. Keputusan Lembaga Rayuan adalah muktamad.

(c) a registered Professional Engineer with Practising Certificate.

Terms of Reference

(a) shall conduct hearings of any misconduct or complaint against any registered Person referred to it by the Investigating Committee;

(b) may make any or any combination of the orders specified in section 15 against a registered Person under such circumstances as set out in that section.

Appeal Board

Any engineer who is not satisfied with an order of the Disciplinary Committee or Board made under subsection 15(1 A) or 7 A (5), may within twenty-one days of being notified of the refusal, conditions, restrictions, removal or order, appeal to the Appeal Board constituted under section 20 and the Appeal Board may thereupon make such orders as it may deem just or proper.

The Appeal Board shall consist of a Judge of the High Court as Chairman and two other persons appointed by the Yang di-Pertuan Agong.

The Appeal Board after hearing the appeal may confirm or vary the decision of the Board or Disciplinary Committee. The decision of the Appeal Board shall be final.

MEMASTIKAN KOMPETENSI JURUTERA PROFESIONAL

ENSURING THE COMPETENCY OF PROFESSIONAL ENGINEERS

PEPERIKSAAN KECEKAPAN PROFESIONAL (PKP)

PENGENALAN

Antara fungsi LJM melalui Akta Pendaftaran Jurutera (138) (Pindaan 2015) adalah bagi menyenggara suatu Daftar Jurutera Profesional bertanggungjawab bagi menyediakan “perkhidmatan kejuruteraan profesional”.

Rasional utama bagi apa-apa daftar adalah untuk menetapkan dan mengekalkan piawaian yang tinggi dalam amalan kejuruteraan dan untuk mengawal selia dan menguatkuasakan standard tata kelakuan profesional yang boleh diterima. Penetapan, penyelenggaraan dan pengawalseliaan apa-apa standard dan tingkah laku profesional adalah bagi melindungi kepentingan awam dan perlindungan (awam) nyawa dan harta benda.

Selaras dengan prinsip-prinsip yang dinyatakan di atas dan mengikut peruntukan dalam Akta, calon-calon yang layak yang ingin berdaftar dengan Lembaga akan dikehendaki menduduki dan lulus Peperiksaan Kompetensi Profesional.

Format Peperiksaan Kecekapan Profesional

Peperiksaan Kecekapan Profesional (PKP) menguji calon berkenaan perkhidmatan kejuruteraan profesional mengikut definisi Akta dalam disiplin.

Peperiksaan itu juga akan menguji pengetahuan, pengalaman dan aplikasi calon dalam :

- (a) amalan kejuruteraan di Malaysia;
- (b) Kod berkanun, peraturan-peraturan; dan

PROFESSIONAL COMPETENCY EXAMINATION (PCE)

INTRODUCTION

Among BEM’s function under the Registration of Engineers Act (138) (Revised 2015) to maintain a register of professional engineers responsible for the provision of “professional engineering services”.

The principal rationale for such a register is to set and maintain high standards of engineering practice and to regulate and enforce acceptable standards of professional conduct. The setting, maintenance and regulation of such standards and professional behaviour protects the public interest and safeguard (public) life and property.

In keeping with the principles stated above and in accordance with the provision in the Act, eligible candidates who wish to be registered with the Board will be required to sit for and pass the Professional Competency Examination.

Format of Professional Competency Examination

The Professional Competency Examination (PCE) will test candidates within the limits of “professional engineering services” defined by the Act which will be in the engineering disciplines.

The examination will test the candidate’s knowledge, experience and application of:

- (a) engineering practice in Malaysia;
- (b) Statutory codes, regulations; and

(c) standard profesionalisme dan tata kelakuan profesional

Peperiksaan Kecekapan Profesional terbahagi kepada dua bahagian seperti berikut:

- (a) Bahagian 1 – Kertas Am
- (b) Bahagian 2 – Kertas Teknikal

LJM telah berjaya menjalankan Peperiksaan Kecekapan Profesional (PKP) ketiga pada 26 dan 27 November 2018 di Universiti Malaya, Kuala Lumpur. 228 calon telah mendaftar untuk peperiksaan seperti berikut:

- 103 calon (Awam)
- 81 calon (Elektrik)
- 36 calon (Mekanikal)
- 3 calon (Kimia)
- 4 calon (Pelombongan)
- 1 calon (Geoteknik)

Manakala pada tahun 2019, buat pertama kali PKP yang keempat telah berjaya diadakan di tiga lokasi berbeza iaitu di Universiti Malaya, Kuala Lumpur, di Kuching, Sarawak dan di Kota Kinabalu, Sabah pada 25 dan 26 November 2019. Seramai 292 orang calon telah mendaftar bagi peperiksaan tersebut dengan jumlah seperti berikut:

- 133 calon (Awam)
- 86 calon (Elektrik)
- 65 calon (Mekanikal)
- 3 calon (Kimia)
- 1 calon (Geoteknik)
- 3 calon (Pelombongan)
- 1 calon (Alam Sekitar)

(c) standards of professionalism and ethical behaviour.

The Professional Competency Examination shall be in two (2) parts as follows:

- (a) Part 1 – Common Paper
- (b) Part 2 – Technical paper

BEM has successfully conducted the third Professional Competency Examination (PCE) on 26th and 27th November 2018 at University of Malaya. 228 candidates have registered for the examination consists of the following:

- 103 candidates (Civil)
- 81 candidates (Electrical)
- 36 candidates (Mechanical)
- 3 candidates (Chemical)
- 4 candidates (Mining)
- 1 candidate (Geotechnical)

While in 2019, the fourth PCE was successfully held on 25th and 26th November 2019, for the first time at three locations which is University of Malaya in Kuala Lumpur, Kuching in Sarawak and Kota Kinabalu in Sabah. A total of 292 candidates have enrolled for the examination as follows:

- 133 candidates (Civil)
- 86 candidates (Electrical)
- 65 candidates (Mechanical)
- 3 candidates (Chemical)
- 1 candidate (Geotechnical)
- 3 candidates (Mining)
- 1 candidate (Environmental)

Keputusan PKP mengikut Bidang Calon dari Tahun 2017 hingga 2019

*(PCE Result By Disciplines of Candidates from
year 2017 to 2019)*

1. Awam (Civil)

Tahun (Year)	Bilangan Calon (Number of Candidates)	Bilangan Calon yang Lulus (Number of Passed Candidates)
2017	79	19 (24.05%)
2018	103	8 (7.84%)
2019	133	12 (9.1%)

2. Elektrik (Electrical)

Tahun (Year)	Bilangan Calon (Number of Candidates)	Bilangan Calon yang Lulus (Number of Passed Candidates)
2017	69	7 (10.14%)
2018	77	7 (9.09%)
2019	83	6 (7.2%)

3. Mekanikal (Mechanical)

Tahun (Year)	Bilangan Calon (Number of Candidates)	Bilangan Calon yang Lulus (Number of Passed Candidates)
2017	27	7 (25.93%)
2018	36	7 (19.44%)
2019	65	7 (10.8%)

4. Kimia (Chemical)

Tahun (Year)	Bilangan Calon (Number of Candidates)	Bilangan Calon yang Lulus (Number of Passed Candidates)
2017	1	1 (100%)
2018	3	0 (0%)
2019	3	2 (66.7%)

5. Alam Sekitar (Environmental)

Tahun (Year)	Bilangan Calon (Number of Candidates)	Bilangan Calon yang Lulus (Number of Passed Candidates)
2017	1	0 (0%)
2019	1	0 (0%)

6. Geoteknik (Geotechnical)

Tahun (Year)	Bilangan Calon (Number of Candidates)	Bilangan Calon yang Lulus (Number of Passed Candidates)
2018	1	0 (0%)
2019	1	0 (0%)

7. Perlombongan (Mining)

Tahun (Year)	Bilangan Calon (Number of Candidates)	Bilangan Calon yang Lulus (Number of Passed Candidates)
2018	4	0 (0%)
2019	3	0 (0%)

PENILAIAN TATA KELAKUAN PROFESIONAL UNTUK JURUTERA DENGAN KELAYAKAN PROFESIONAL DARI LUAR NEGARA

Code of Professional Conduct Assessment for Engineers with Overseas Professional Qualification

Seksyen 10(2)B Akta Pendaftaran Jurutera 1967 (Pindaan 2015) menyatakan bahawa seseorang yang “mempunyai kelayakan profesional yang dianggap oleh Lembaga setaraf dengan peperiksaan penilaian profesional yang dijalankan oleh Lembaga” dan “yang telah mematuhi kehendak sebagaimana yang ditentukan oleh Lembaga” boleh mengemukakan permohonan untuk didaftarkan sebagai Jurutera Profesional (PE).

Satu Kumpulan Kerja di bawah Jawatankuasa Peperiksaan dan Kelayakan (E&Q) telah menilai polisi semasa dan melaporkan kepada Ahli Lembaga bahawa proses permohonan PE yang mempunyai kelayakan dari luar negara tidak mempunyai penilaian Tata Kelakuan Profesional. Terdapat cadangan supaya pemohon yang layak diwajibkan menduduki penilaian Tata Kelakuan Profesional dan calon yang lulus boleh didaftarkan sebagai PE.

Mesyuarat Ahli Lembaga yang ke-334 pada 16 Ogos 2018 telah memutuskan bahawa semua pemohon yang berkelayakan wajib menduduki Penilaian Tata Kelakuan Profesional seperti yang termaktub di bawah seksyen 10(2)(B) Akta Pendaftaran Jurutera 1967 (Pindaan 2015).

Seramai 111 orang calon telah menduduki Penilaian Tata Kelakuan Profesional sepanjang tahun 2019.

Keputusan Penilaian yang dibandingkan dengan keputusan penilaian tahun 2018 adalah seperti berikut:

Tahun	Lulus (Pass)	Gagal (Fail)	Jumlah Calon (Total Candidate)
2018	23	8	31
2019	93	18	111
Total	116	26	142

Section 10(2)(B) of the Registration of Engineers Act 1967 (Revised 2015) states that any person who “hold a professional qualification which the Board considers to be equivalent to the professional assessment examination conducted by the Board” and “who has complied with the requirements as determined by the Board” shall be entitled on application to be registered as Professional Engineers.

The Working Group under Examination & Qualification (E&Q) Committee reported to the Board that after reviewing the policy for application of Professional Engineer with overseas qualification, it was determined that the process lacks of Code of Professional Conduct assessment. It was recommended to introduce the assessment on ‘Code of Professional Conduct’ to eligible applicant. Upon passing the assessment, the applicant can be registered as Professional Engineer (PE).

334th Board meeting held on 16.8.2018 decided to impose assessment on ‘Code of Professional Conduct’ for all eligible PE applications in accordance to section (10) (B) of the Registration of Engineers Act 1967 (Revised 2015).

31 applicants sat for the 1st assessment on ‘Code of Professional Conduct’ held on 23.10.2018 at Engineering Accreditation Council (EAC) in Kelana Jaya.

The result for the 1st assessment is as follows:



PENCAPAIAN 2019

ACHIEVEMENTS

PENCAPAIAN 2019

ACHIEVEMENTS 2019

Statistik Utama Main Statistics

Jumlah Pendaftaran Mengikut Kategori sehingga 31.12.2019 Total Registration by Category as at 31.12.2019

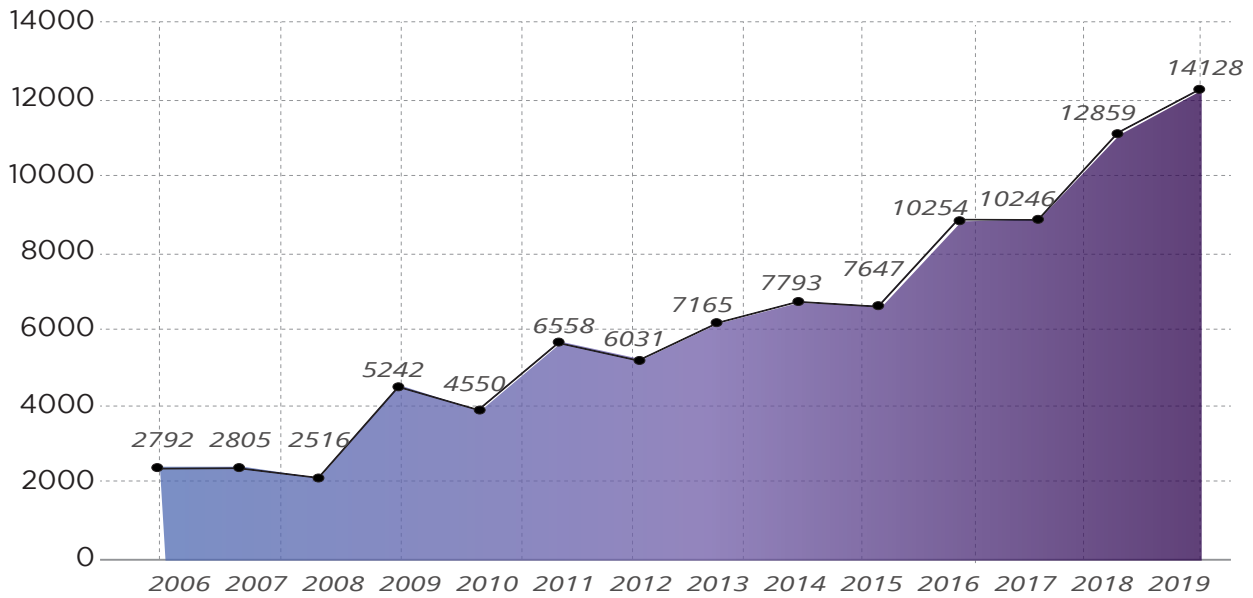
Pendaftaran Individu Registered Person

Kategori	2018	2019
Jurutera Profesional dengan Perakuan Amalan (Professional Engineer with Practising Certificate)	10,461	10,484
Jurutera Profesional Professional Engineer	8,729	9,917
Pemeriksa Bertauliah Accredited Checkers	35	35
Jurutera Siswazah Graduate Engineer	118,452	132,580
Teknologis Kejuruteraan Engineering Technologist	6,050	8,740
Pemeriksa Tapak Inspector of Works	6,001	6,844

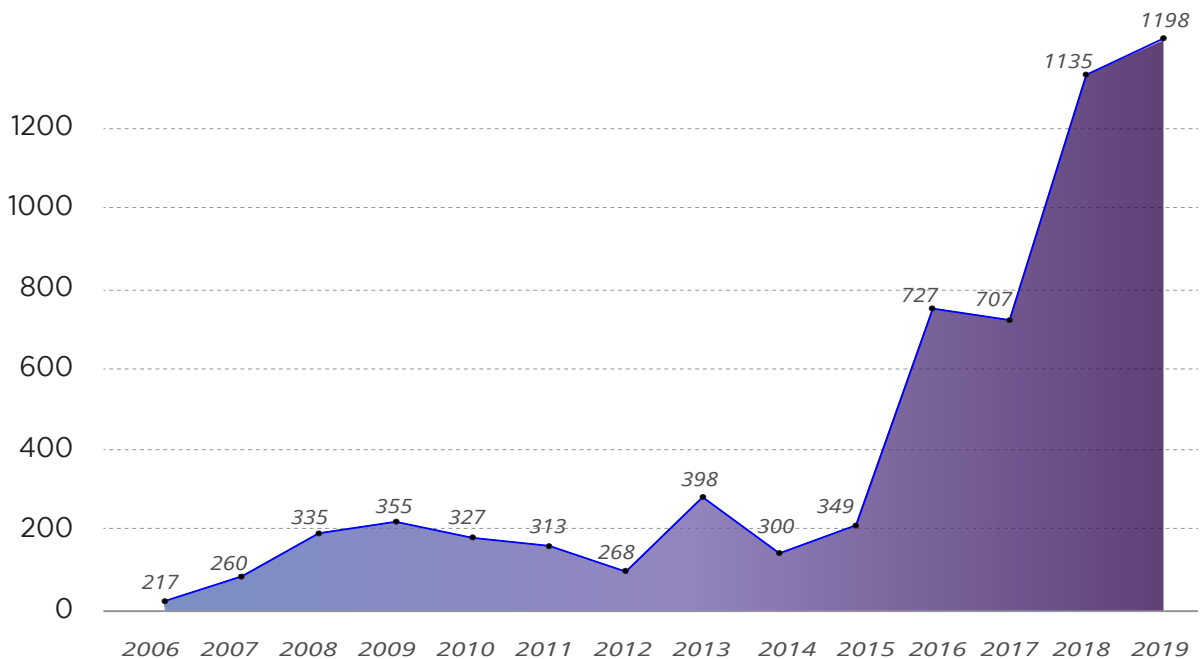
Syarikat Amalan Perunding Kejuruteraan Engineering Consultancy Practices

Kategori	2018	2019
Pertubuhan Perbadanan (Seksyen 7A) Body Corporate	1,533	1,588
Pertubuhan Perbadanan - Amalan Multi Disiplin (seksyen 7B) [Kejuruteraan sahaja] Body Corporate - Multi Disciplinary Practice (section 7B) [Engineering only]	61	67
Perkongsian Partnership	346	352
Pemilik Tunggal Sole Proprietorship	1,777	1,840

Bilangan Jurutera Siswazah Berdaftar Mengikut Tahun (2006-2019)
Number of Registered Graduate Engineer by Year (2006-2019)

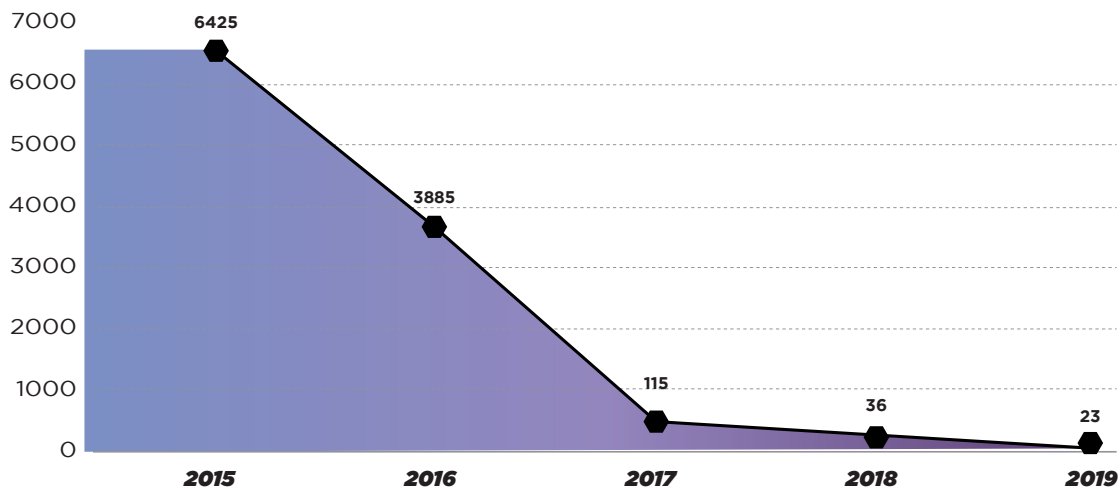


Bilangan Jurutera Profesional Berdaftar Mengikut Tahun (2006-2019)
Number of Registered Professional Engineer by Year (2006-2019)



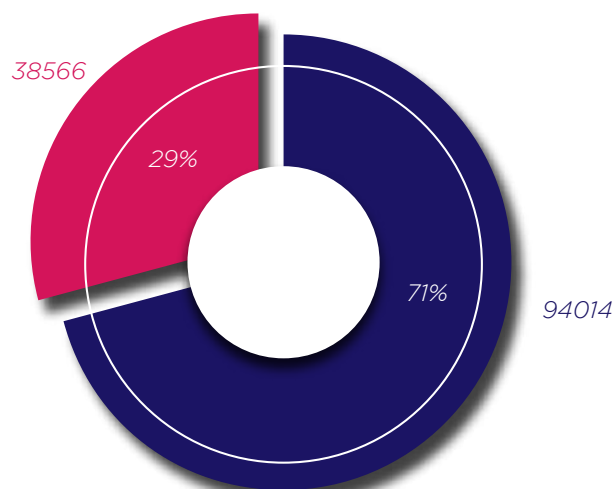
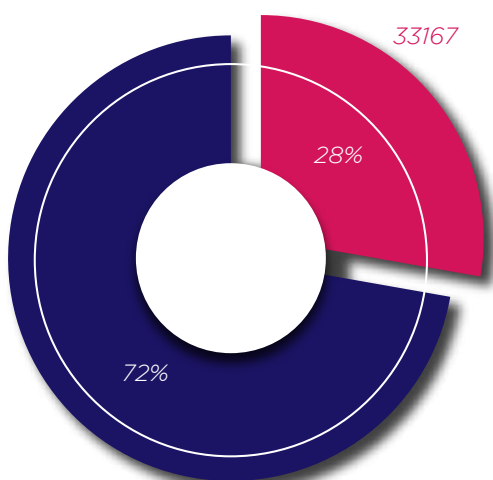
Bilangan Jurutera Profesional Dengan Perakuan Amalan Berdaftar Mengikut Tahun (2006-2019)

Number of Registered Professional Engineer With Practising Certificate by Year (2006-2019)



Bilangan Jurutera Siswazah Berdaftar Mengikut Jantina sehingga 31.12.2018
Number of Registered Graduate Engineer by Gender as at 31.12.2018

Bilangan Jurutera Siswazah Berdaftar Mengikut Jantina sehingga 31.12.2019
Number of Registered Graduate Engineer by Gender as at 31.12.2019

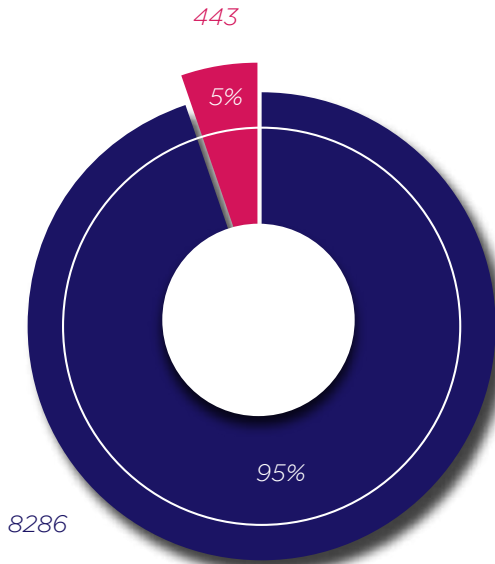


■ Male
 ■ Female

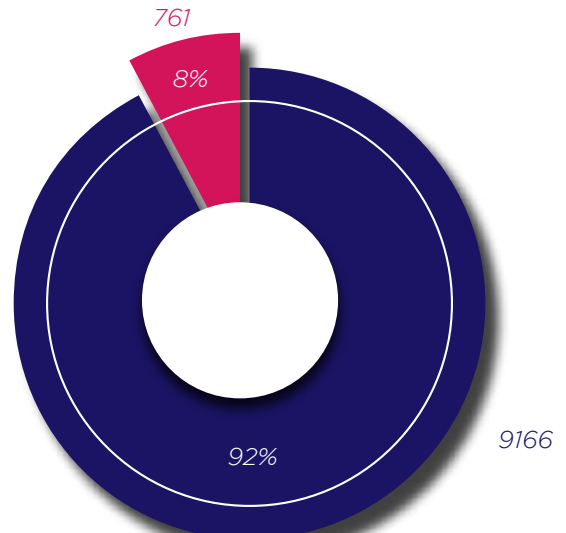
85285

94014

Bilangan Jurutera Profesional Berdaftar Mengikut Jantina sehingga 31.12.2018
Number of Registered Professional Engineer by Gender as at 31.12.2018

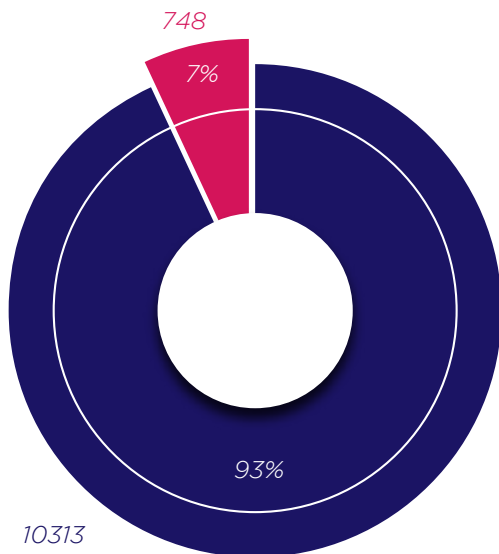


Bilangan Jurutera Profesional Berdaftar Mengikut Jantina sehingga 31.12.2019
Number of Registered Professional Engineer by Gender as at 31.12.2019

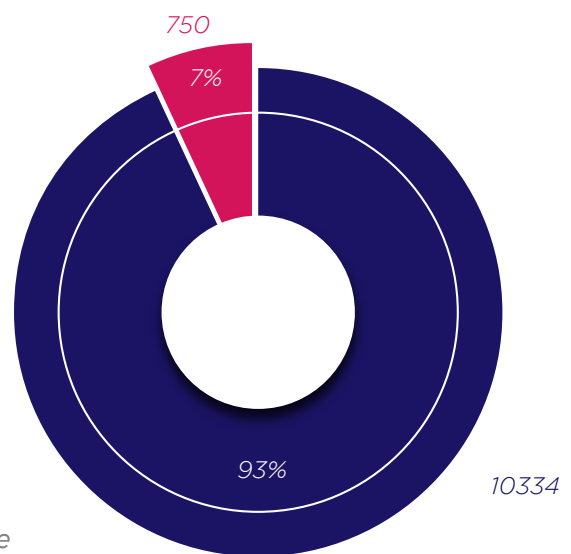


■ Male
 ■ Female

Bilangan Jurutera Profesional dengan Perakuan Amalan Berdaftar Mengikut Jantina sehingga 31.12.2018
Number of Registered Professional Engineer with Practising Certificate by Gender as at 31.12.2018



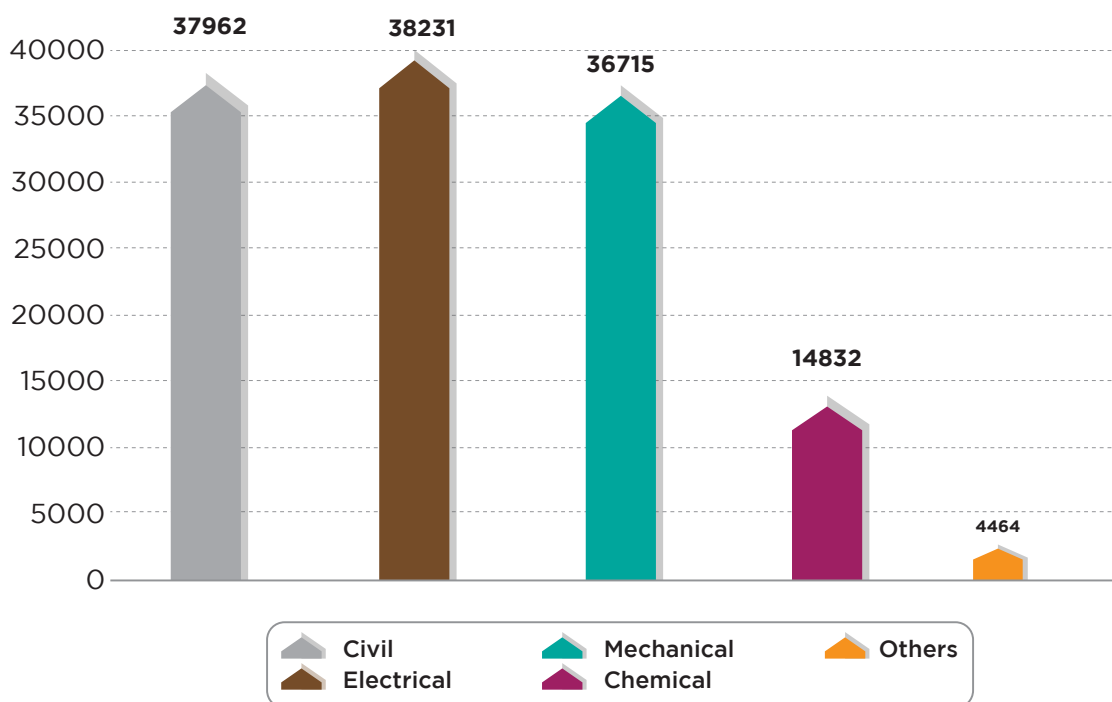
Bilangan Jurutera Profesional dengan Perakuan Amalan Berdaftar Mengikut Jantina sehingga 31.12.2019
Number of Registered Professional Engineer with Practising Certificate by Gender as at 31.12.2019



■ Male
 ■ Female

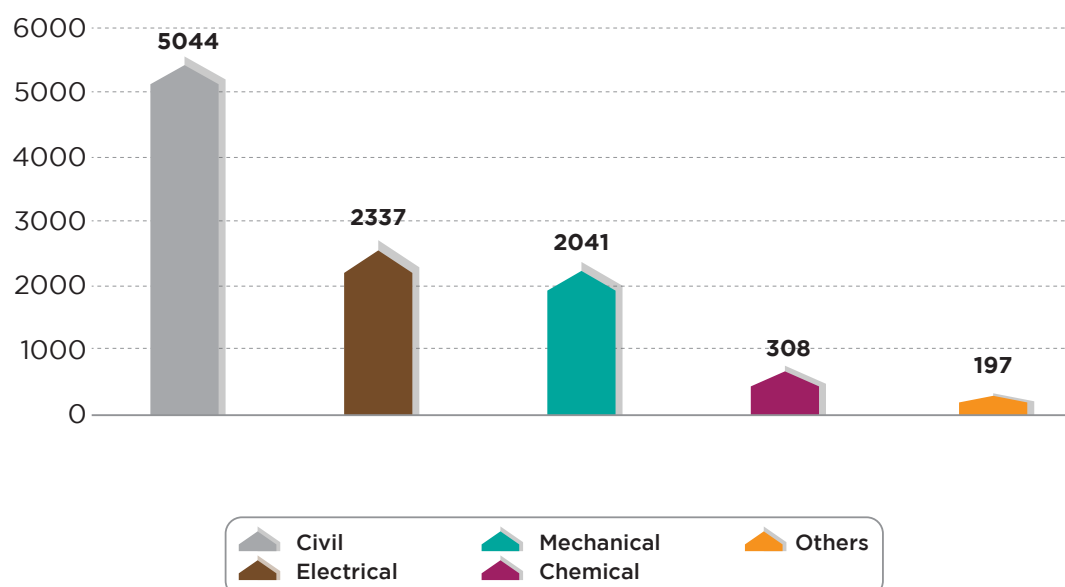
BILANGAN JURUTERA SISWAZAH BERDAFTAR MENGIKUT DISIPLIN SEHINGGA 31.12.2019

Number of Registered Graduate Engineer by Discipline as at 31.12.2019



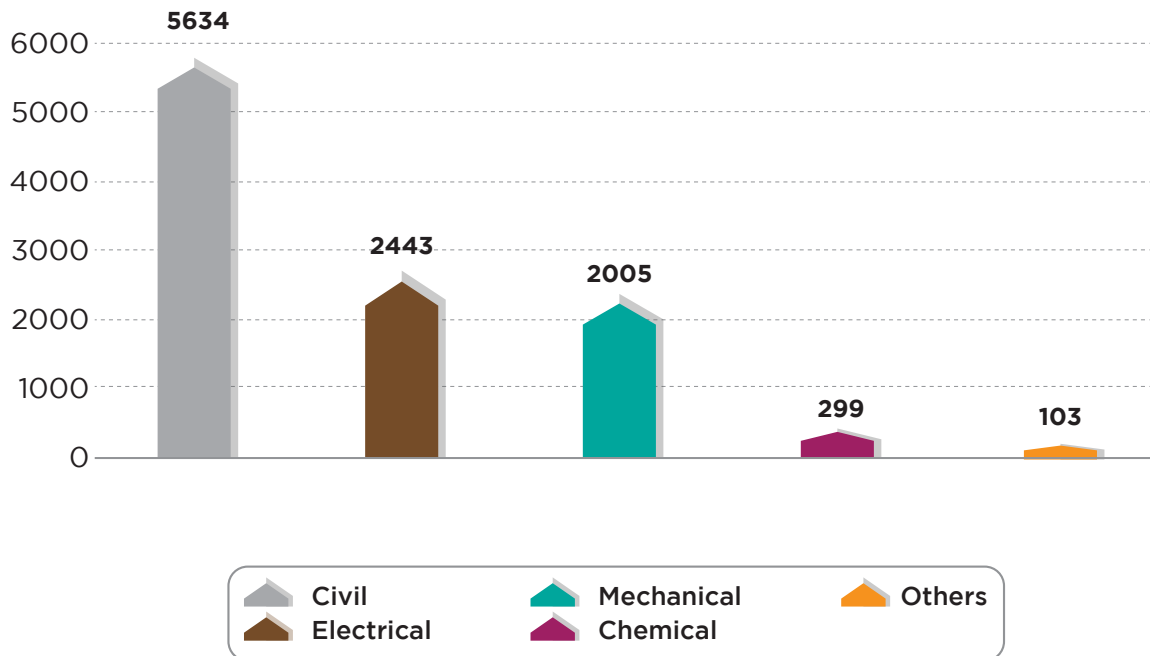
BILANGAN JURUTERA PROFESIONAL BERDAFTAR MENGIKUT DISIPLIN SEHINGGA 31.12.2019

Number of Registered Professional Engineer by Discipline as at 31.12.2019



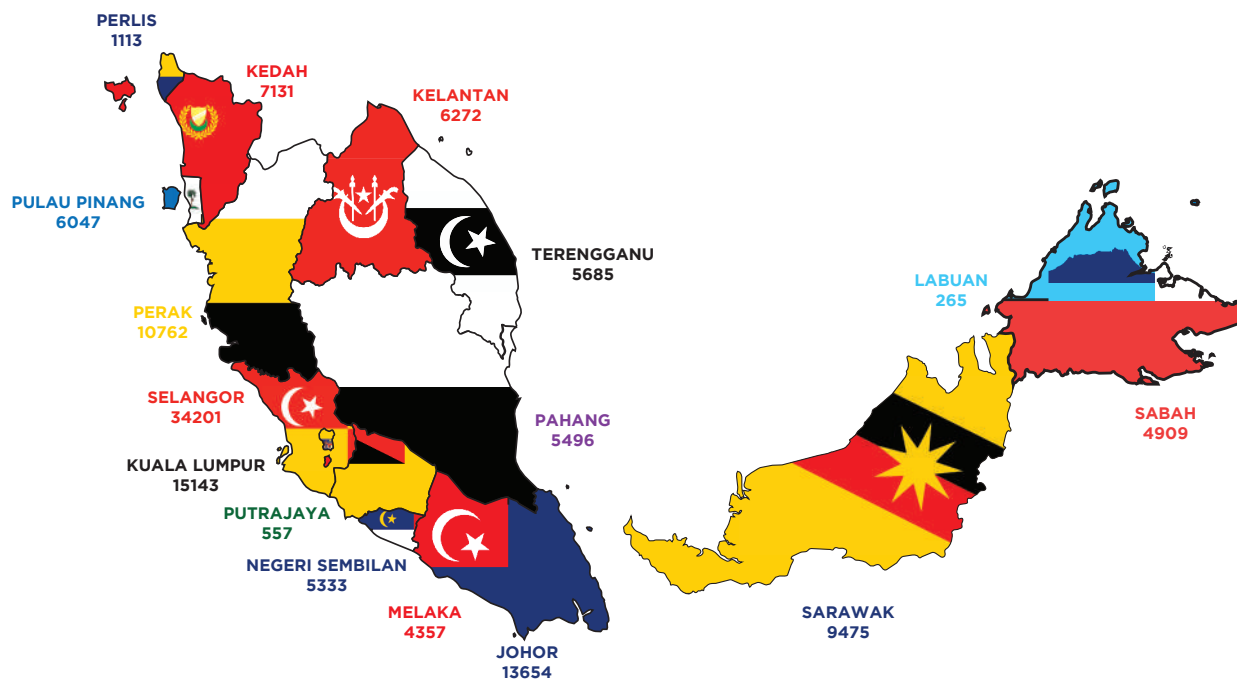
BILANGAN JURUTERA PROFESIONAL DENGAN PERAKUAN AMALAN BERDAFTAR MENGIKUT DISIPLIN SEHINGGA 31.12.2019

Number of Registered Professional Engineer with Practising Certificate by Discipline as at 31.12.2019



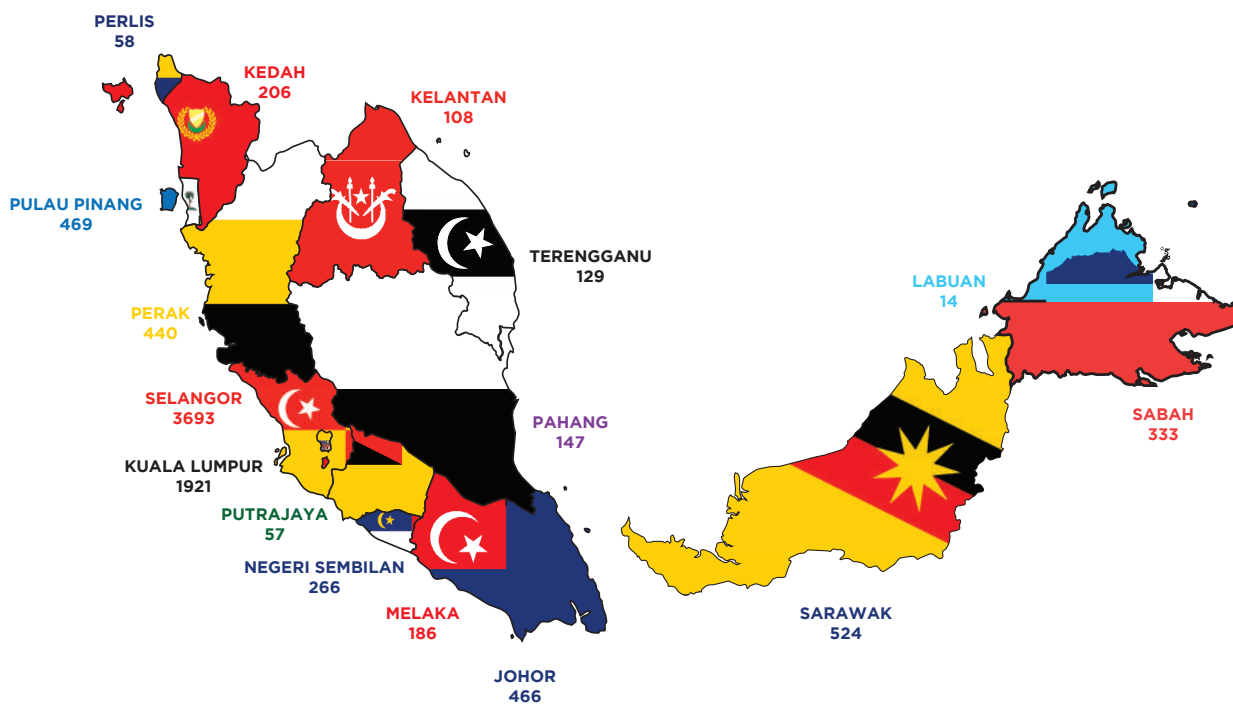
Bilangan Jurutera Siswazah Berdaftar Mengikut Negeri sehingga 31.12.2019

Number of Registered Graduate Engineer by States as at 31.12.2019



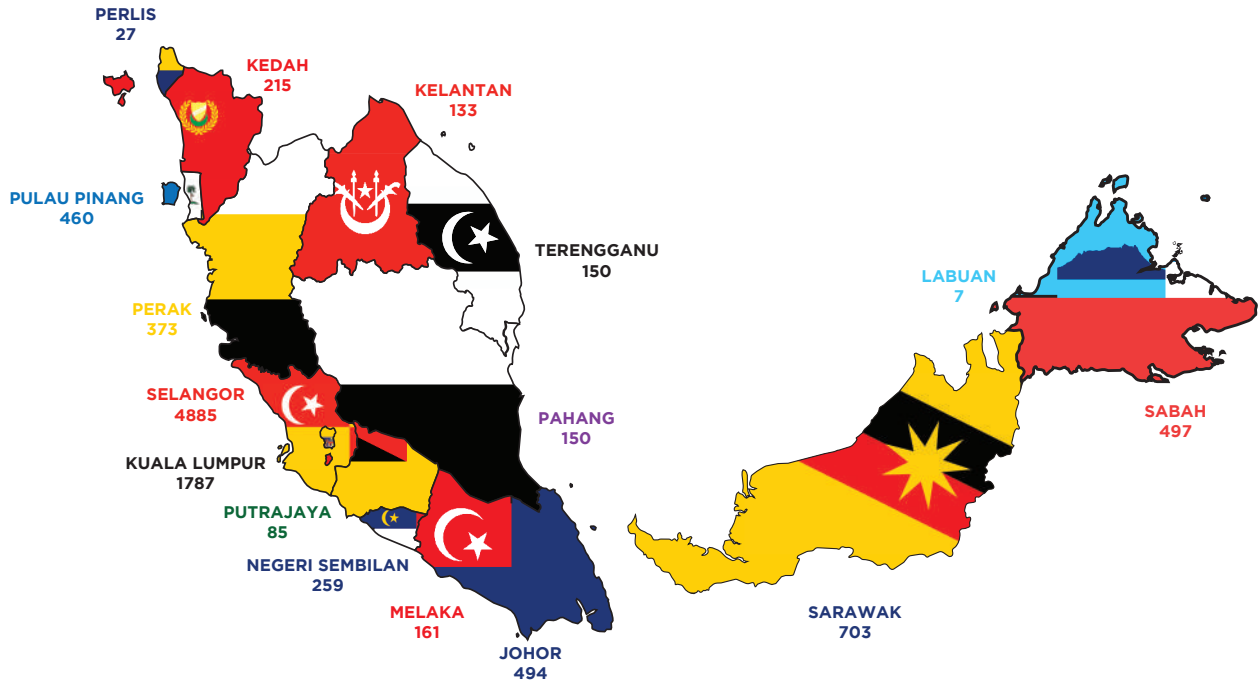
Bilangan Jurutera Profesional Berdaftar Mengikut Negeri sehingga 31.12.2019

Number of Registered Professional Engineer by States as at 31.12.2019



Bilangan Jurutera Profesional dengan Perakuan Amalan Berdaftar Mengikut Negeri sehingga 31.12.2019

Number of Registered Professional Engineer with Practising Certificate by States as at 31.12.2019

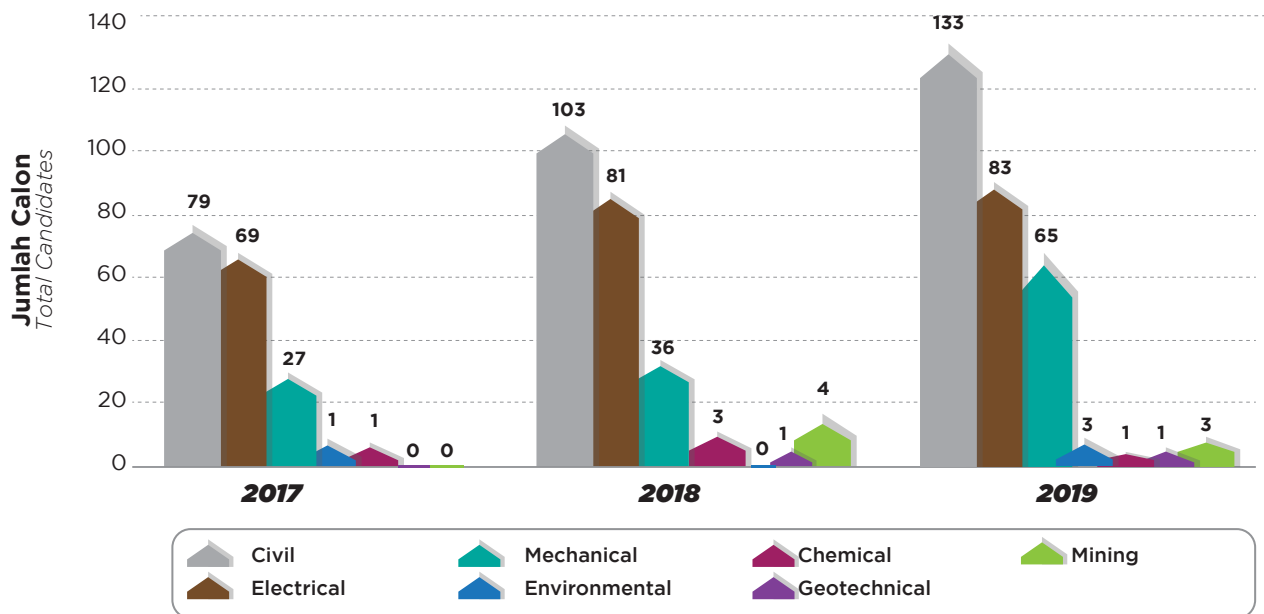


PEPERIKSAAN KOMPETENSI PROFESIONAL

Professional Competency Examination

Bilangan Calon Berdaftar Untuk PKP Mengikut Tahun & Disiplin

No. of PCE Candidates by Year & Discipline



Nota / Notes:

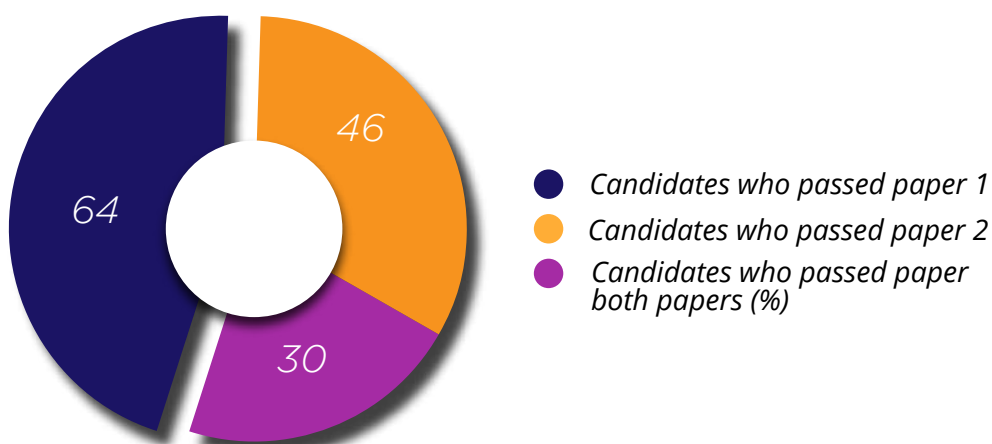
PKP - Peperiksaan Kompetensi Profesional

PCE - Professional Competency Examination

Kertas Am (186 Calon)

Common Paper (186 Candidates)

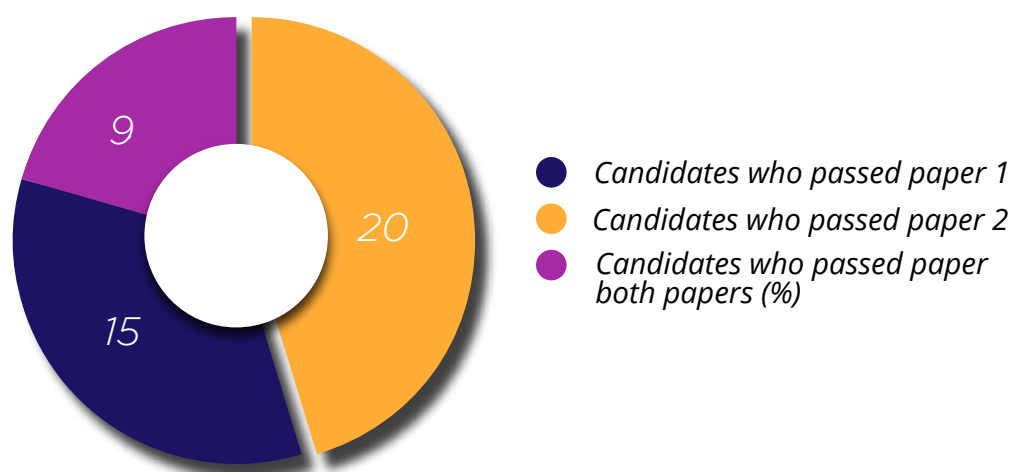
Calon yang Lulus Kertas 1 <i>Candidates who passed Paper 1</i>	Calon yang Lulus Kertas 2 <i>Candidates who passed Paper 2</i>	Calon yang Lulus Semua Kertas <i>Candidates who passed both Papers</i>	% Calon yang Lulus Kertas Am <i>% Candidates who pass Common Paper</i>
64	46	30	16.61%



Kertas Teknikal (Awam) (98 Calon)

Technical Paper (Civil) (98 Candidates)

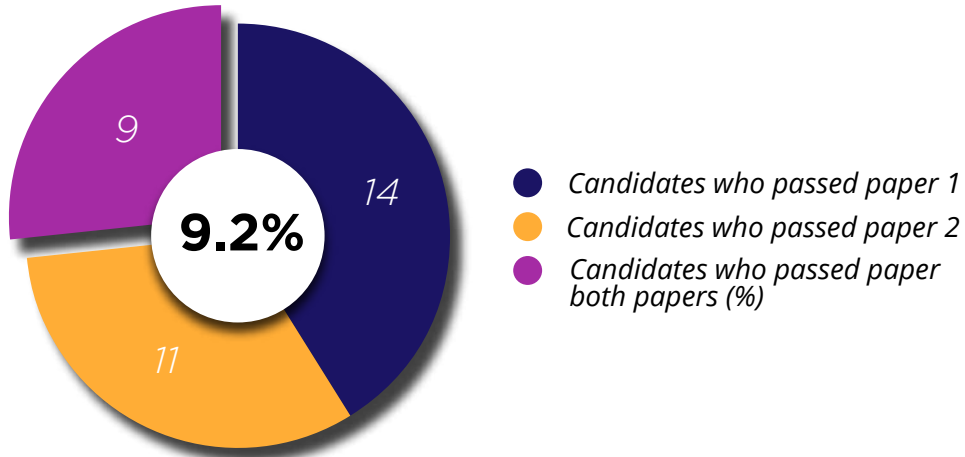
Calon yang Lulus Kertas 1 <i>Candidates who passed Paper 1</i>	Calon yang Lulus Kertas 2 <i>Candidates who passed Paper 2</i>	Calon yang Lulus Semua Kertas <i>Candidates who passed both Papers</i>	Calon yang Lulus Kertas Teknikal (Awam) <i>Candidates who pass Technical Paper (Civil)</i>
15	20	9	9.2%



Kertas Teknikal (Mekanikal) (34 Calon)

Technical Paper (Mechanical) (34 Candidates)

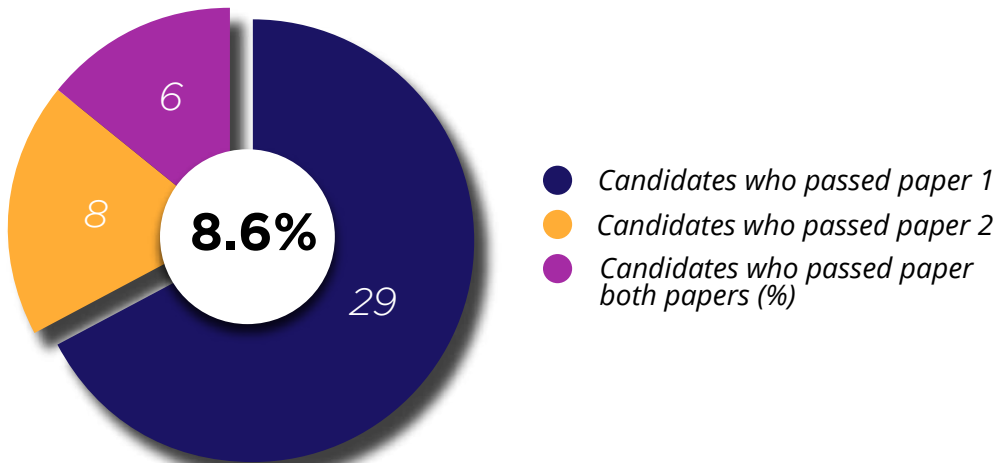
Calon yang Lulus Kertas 1 Candidates who passed Paper 1	Calon yang Lulus Kertas 2 Candidates who passed Paper 2	Calon yang Lulus Semua Kertas Candidates who passed both Papers	Calon yang Lulus Kertas Teknikal (Mekanikal) Candidates who pass Technical Paper (Mechanical)
14	11	9	26.5%



Kertas Teknikal (Elektrikal) (70 Calon)

Technical Paper (Electrical) (70 Candidates)

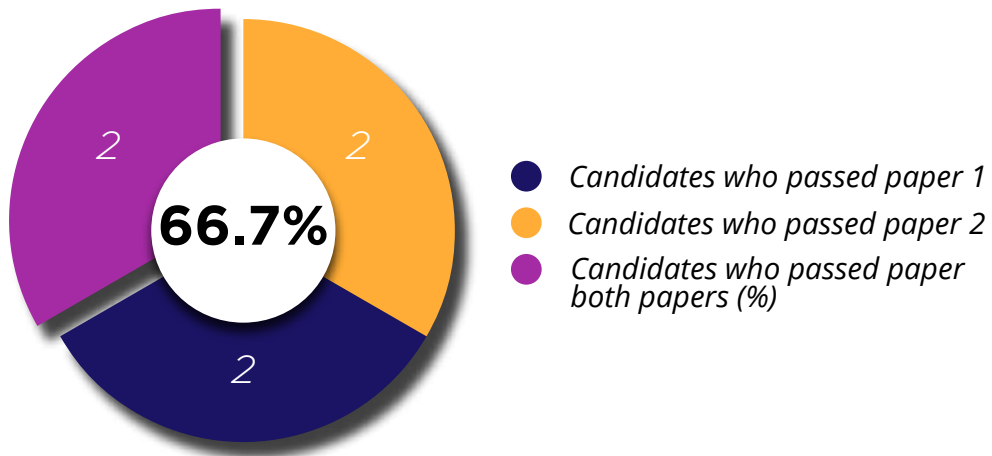
Calon yang Lulus Kertas 1 Candidates who passed Paper 1	Calon yang Lulus Kertas 2 Candidates who passed Paper 2	Calon yang Lulus Semua Kertas Candidates who passed both Papers	Calon yang Lulus Kertas Teknikal (Elektrikal) Candidates who pass Technical Paper (Electrical)
29	8	6	8.6%



Kertas Teknikal (Kimia) (3 Calon)

Technical Paper (Civil) (3 Candidates)

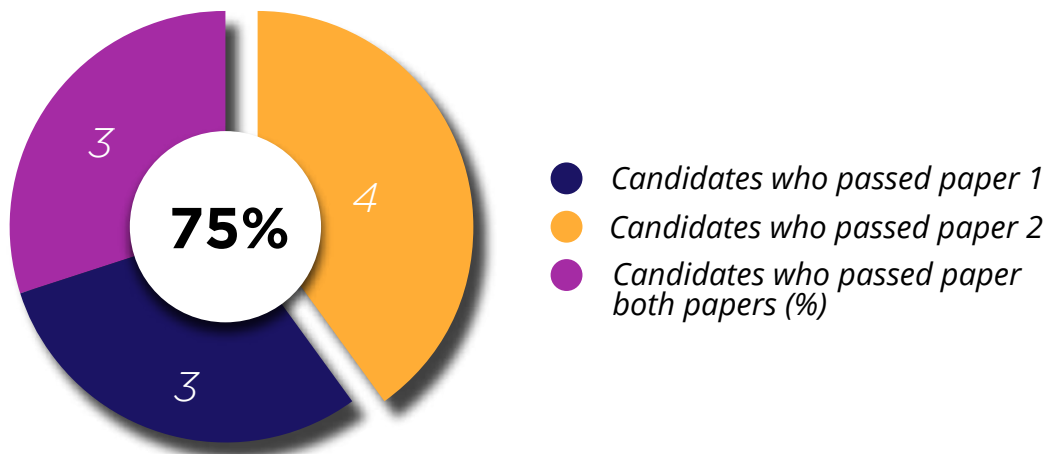
Calon yang Lulus Kertas 1 Candidates who passed Paper 1	Calon yang Lulus Kertas 2 Candidates who passed Paper 2	Calon yang Lulus Semua Kertas Candidates who passed both Papers	Calon yang Lulus Kertas Teknikal (Awam) Candidates who pass Technical Paper (Civil)
2	2	2	66.7%



Kertas Teknikal (Pelombongan) (4 Calon)

Technical Paper (Mining) (4 Candidates)

Calon yang Lulus Kertas 1 Candidates who passed Paper 1	Calon yang Lulus Kertas 2 Candidates who passed Paper 2	Calon yang Lulus Semua Kertas Candidates who passed both Papers	Calon yang Lulus Kertas Teknikal (Mekanikal) Candidates who pass Technical Paper (Mechanical)
3	4	3	75.0%



KES TATALAKU

CODE OF CONDUCT CASES

PERBANDINGAN ADUAN DITERIMA DALAM TAHUN 2018 & 2019

COMPARISON OF COMPLAINTS RECEIVED IN YEAR 2018 & 2019

Year	Kes Baru New Cases	Prima Facts	
		Tidak No	Ya Yes
2018	66	43	23
2019	59	21	38

Status/Keputusan Jawatankuasa Penyiasatan Tahun 2019 <i>Status/Decision of Investigating Committee in 2019</i>			Perbicaraan oleh Jawatankuasa Disiplin Tahun 2019 <i>Hearing by Disciplinary Committee in 2019</i>		Rayuan kepada Lembaga Rayuan Tahun 2018 <i>Appeal to Appeal Board in 2019</i>	
Tiada Kes <i>No Case</i>	Dicadangkan untuk Perbicaraan <i>Recommend for Hearing</i>	Dalam Proses <i>Under Process</i>	Bersalah <i>Guilty</i>	Tidak Bersalah <i>Not Guilty</i>	Keputusan Disahkan <i>Decision Confirmed</i>	Keputusan Dipinda <i>Decision Varied</i>
14	36	10	17	5	-	-

Angka di atas termasuk kes yang dibawa ke hadapan dari tahun-tahun sebelumnya dan tidak semestinya termasuk semua kes prima facie yang disimpulkan oleh PPC tetapi tidak disahkan oleh Lembaga pada tahun berakhir.

The above figure includes cases brought forward from prima facie cases concluded by PPC but not endorsed by the Board by year end.

PENGIKTIRAFAN PROGRAM KEJURUTERAAN

ACCREDITATION OF ENGINEERING PROGRAMMES

Untuk rekod, LJM / EAC telah mengakreditasi 353 program kejuruteraan yang dijalankan oleh 56 institusi pengajian tinggi di Malaysia: -

On record, the BEM/EAC has awarded accreditation to 353 engineering programmes conducted by 56 institutions of higher learning in Malaysia:-

No. Bil.	Public University/ Universiti Awam	No of Programme Bil Program
1	University Islam Antarabangsa Malaysia (UIAM - IIUM)	9
2	Universiti Teknologi MARA (UiTM), Penang	6
3	Universiti Teknologi MARA (UiTM), Shah Alam	18
4	Universiti Kebangsaan Malaysia (UKM)	11
5	Universiti Malaya (UM)	12
6	Universiti Malaysia Pahang (UMP)	15
7	Universiti Malaysia Sabah (UMS)	5
8	Universiti Malaysia Perlis (UNIMAP)	21
9	Universiti Malaysia Sarawak (UNIMAS)	6
10	Universiti Putra Malaysia (UPM)	8
11	Universiti Pertahanan Nasional Malaysia (UPNM)	12
12	Univesiti Sains Malaysia (USM, Penang)	11
13	Universiti Sains Islam Malaysia (USIM)	1
14	Universiti Teknikal Malaysia Melaka (UTEM)	22
15	Universiti Tun Hussein Onn Malaysia (UTHM)	9
16	Universiti Teknologi Malaysia (UTM)	38
17	Malaysia-Japan International Institute of Technology (MJIT) - UTM	3
18	AIMST University	1
19	Al-Madinah International University (MEDIU)	2
20	Asia Pacific University of Technology & Innovation (APU)	5
21	Curtin University Malaysia	8
22	Heriot-Watt University Malaysia Campus	5
23	INTI International University	3
24	Infrastructure University Kuala Lumpur	3
25	Kolej Bandar Utama	2
26	UOW Malaysia KDU Penang University College	1

No. Bil.	Public University/ Universiti Awam	No of Programme Bil Program
27	UOW Malaysia KDU University College,Utropolis Glenmarie	2
28	KOLEJ UNITI	2
29	Kolej Universiti INSANIAH (KUIN)	3
30	MAHSA University	1
31	Manipal International University (MIU)	6
32	Multimedia University (MMU), Cyberjaya	8
33	Multimedia University (MMU), Melaka	6
34	Monash University Malaysia	5
35	NILAI University	2
36	PRIME/UPM	4
37	SEGi University	4
38	Southern University College	1
39	Swinburne University of Technology	7
40	University College TATI (UC TATI)/UTM	1
41	Tunku Abdul Rahman University College (TARC)	5
42	Taylor's University	3
43	Twintech International University College of Technology (Twintech)	2
44	UCSI University	7
45	University College of Technology Sarawak (UCTS)	3
46	University of Nottingham Malaysia (UNMC)	10
47	Universiti Selangor (UNISEL)	5
48	Universiti Tenaga Nasional (UNITEN)	5
49	Universiti Tunku Abdul Rahman (UTAR), Sg. Long	10
50	Universiti Tunku Abdul Rahman (UTAR), Kampar, Perak	4
51	Universiti Teknologi Petronas (UTP)	5
52	Universiti Kuala Lumpur British Malaysian Institute (UNIKL- BMI)	1
53	Universiti Kuala Lumpur Malaysian Institute of Chemical and Bio-Engineering Technology- (UNIKL MICET)	1
54	Universiti Kuala Lumpur Malaysia France Institute (UNIKL MFI)	1
55	Quest International University Perak (QIUP)	1
56	LIMKOKWING University of Creative Technology (LUCT)	1
	Jumlah Keseluruhan Grand Total	353

Pada tahun 2019, EAC telah mengadakan lawatan akreditasi di 43 institusi pengajian tinggi yang melibatkan 83 program kejuruteraan.

LJM/EAC juga memastikan para penilai dilengkapi dengan pengetahuan yang tepat mengenai tingkah laku terbaik supaya penilai boleh mempamerkan kualiti yang terbaik apabila menyampaikan penilaian mereka.

Bertekad untuk meningkatkan kualiti pendidikan kejuruteraan di Malaysia dan memastikan para penilai dilengkapi dengan pengetahuan yang betul mengenai tingkah laku, EAC telah mengadakan beberapa bengkel pada tahun 2019 untuk institusi pengajian tinggi dan juga para penilai.

In 2019, EAC has conducted accreditation visits to 43 IHLs involving 83 engineering programmes.

The BEM/EAC also ensure the evaluators equipped with the right knowledge on best behaviour or conduct, evaluators can soar to exhibit excellent qualities when delivering their evaluation.

Committed to enhancing the quality of engineering education in Malaysia and in ensuring the evaluators equipped with the right knowledge on best behaviour or conduct, EAC have conducted several workshops in 2019 for IHLs and evaluators

No.	Tajuk (Title)	Date (Tarikh)
1.	EAC OBE Workshop	26 February 2019
2.	EAC New Panel Evaluators Workshop	<ul style="list-style-type: none"> • 12 - 14 March 2019 • 16 - 18 April 2019 • 16 - 18 July 2019
3.	EAC New Panel Evaluators Workshop (Industry)	9 April 2019
4.	EAC/ETAC Training for IHL	27 - 29 August 2019
5.	EAC SLT Workshop	2 May 2019
6.	EAC Complex Problem-Solving Workshop	1 August 2019
7.	EAC Refresher for Panel Evaluator	<ul style="list-style-type: none"> • 2 April 2019 • 2 July 2019 • 19 September 2019 • 22 October 2019
8.	Accreditation Awareness Session in Conjunction with BEM Training & Education Roadshow 2019	<ul style="list-style-type: none"> • 31 July 2019 (Kuching) • 2 August 2019 (Kota Kinabalu) • 3 September 2019 (Johor Bahru) • 24 September 2019 (P.Pinang) • 15 October 2019 (K. Lumpur)

NO. BIL.	BRANCH BIDANG	ACADEMIC AKADEMIK	INDUSTRY INDUSTRI	GRAND TOTAL JUMLAH BESAR
1	Civil Awam	80	44	124
2	Chemical Kimia	58	13	71
3	Electrical & Electronic Elektrikal & Elektronik	140	33	173
4	Mechanical Mekanikal	151	41	192
5	Others Lain-lain	18	0	18
Total		447	131	<u>578</u>

PENGIKTIRAFAN PROGRAM TEKNOLOGI KEJURUTERAAN & JURUTEKNIK KEJURUTERAAN

*ACCREDITATION OF ENGINEERING TECHNOLOGY
PROGRAMMES & ENGINEERING TECHNICIAN PROGRAMMES*

Untuk rekod, sehingga Disember 2019, ETAC telah mengakreditasi 44 program teknologi kejuruteraan yang dijalankan oleh 12 institusi pengajian tinggi di Malaysia: -

On record, as of December 2019, the ETAC has awarded accreditation to 44 engineering technology degree programmes conducted by 12 IHLs in Malaysia:-

No.	Institusi Pengajian Tinggi (IPT) Institution of Higher Learning (IHL)	Jumlah Program Total Programmes
1.	Politeknik Sultan Salahuddin Abdul Aziz Shah (PSA)	1
2.	Politeknik Sultan Azlan Shah (PSAS)	1
3.	Politeknik Ungku Omar (PUO)	2
4.	University Tun Hussein Onn Malaysia (UTHM)	12
5.	Universiti Kuala Lumpur Kampus Cawangan Malaysia France Institute (UniKL MFI)	6
6.	Universiti Kuala Lumpur Kampus Cawangan Malaysian Spanish Institute (UniKL MSI)	3
7.	Universiti Kuala Lumpur Kampus Cawangan Malaysian Institute of Marine Engineering Technology (UniKL MIMET)	3
8.	Universiti Kuala Lumpur Malaysian Institute of Information Technology (UniKL MIIT)	2
9.	Universiti Kuala Lumpur Kampus Cawangan Malaysian Institute of Industrial Technology (UniKL MITEC)	1
10.	Universiti Kuala Lumpur Kampus Cawangan British Malaysian Institute (UniKL BMI)	4
11.	Universiti Kuala Lumpur Kampus Cawangan Malaysia Italy Design Institute (UniKL MIDI)	3
12.	Universiti Kuala Lumpur Kampus Cawangan Malaysian Institute of Chemical and Bioengineering Technology (UniKL MICET)	6

Sehingga Disember 2019, ETAC juga telah mengakreditasi 82 program diploma kejuruteraan yang dijalankan oleh 36 institusi pengajian tinggi di Malaysia.

The ETAC has awarded accreditation to 82 diploma programmes conducted by 36 IHLs in Malaysia as of December 2019:-

No.	Institusi Pengajian Tinggi (IPT) Institution of Higher Learning (IHL)	Jumlah Program Total Programmes
1.	Institut Kemahiran Mara (IKM) Bintulu	2
2.	Kolej Yayasan Pelajaran Johor (KYPJ)	1
3.	Kolej Kemahiran Tinggi Mara (KKTM) Sri Gading	2
4.	Kolej Kemahiran Tinggi Mara (KKTM) Kemaman	2
5.	Kolej Kemahiran Tinggi Mara (KKTM) Lenggong	1
6.	Politeknik Banting Selangor (PBS)	1
7.	Politeknik Kota Kinabalu (PKK)	2
8.	Politeknik Kuala Terengganu (PKT)	1
9.	Politeknik Muadzam Shah (PMS)	1
10.	Politeknik Port Dickson	1
11.	Politeknik Sultan Salahuddin Abdul Aziz Shah (PSA)	4
12.	Politeknik Sultan Azlan Shah (PSAS)	5
13.	Politeknik Ungku Omar (PUO)	4
14.	Politeknik Melaka (PMK)	2
15.	Politeknik Tuanku Sultanah Bahiyah (PTSB)	3
16.	Politeknik Seberang Perai (PSP)	4
17.	Politeknik Sultan Abdul Halim Mu'adzam Shah (POLIMAS)	4
18.	Politeknik Sultan Idris Shah (PSIS)	3
19.	Politeknik Tuanku Syed Sirajuddin (PTSS)	3
20.	Politeknik Sultan Mizan Zainal Abidin (PSMZA)	3
21.	Politeknik Kota Bharu (PKB)	4
22.	Politeknik Merlimau (PMM)	3
23.	Politeknik Sultan Haji Ahmad Shah (POLISAS)	3
24.	Politeknik Mukah (PMU)	3
25.	Politeknik Kuching Sarawak (PKS)	5
26.	Universiti Tun Hussein Onn Malaysia (UTHM)	2
27.	City University (City U)	1
28.	INTI International College Penang (IICP)	1
29.	INTI International University (INTI IU)	2
30.	Manipal International University (MIU)	2
31.	Multimedia University (MMU) Malacca	1
32.	Universiti Kuala Lumpur Kampus Cawangan Malaysian Spanish Institute (UniKL MSI)	2
33.	Universiti Teknologi Mara (UiTM) Pasir Gudang	1
34.	Universiti Teknologi Mara (UiTM) Permatang Pauh	1
35.	Universiti Teknologi Mara (UiTM) Jengka	1
36.	Universiti Teknologi Mara (UiTM) Samarahan 2	1

Selain daripada sokongan sekretariat, ETAC mempunyai kumpulan Penilai Program yang terlatih dari kalangan akademik dan industry.

Dalam menyediakan institusi pengajian tinggi dan panel penilaian dalam peningkatan proses akreditasi, ETAC akan terus menjalankan beberapa bengkel untuk panel dan wakil terpilih dari institusi pengajian tinggi

Bengkel dijalankan dengan objektif berikut:

- Untuk membiasakan institusi pengajian tinggi dan panel penilai dengan Manual Akreditasi Program Teknologi Kejuruteraan dan Manual Akreditasi Program Pendidikan Juruteknik Kejuruteraan
- Membantu institusi pengajian tinggi dalam menyediakan Laporan Penilaian bagi lawatan tersebut

Apart from the support of the secretariat, the ETAC has a group of trained Programme Evaluators from among the academia and industry.

In preparing the IHLs and the evaluation panels for the increased accreditation process, the ETAC has been, and will continually be conducting several workshops for selected panel and representatives from IHLs.

The workshops are conducted with the following objectives:

- To get IHLs and the evaluation panel familiarized with the Engineering Technology Programme Accreditation Manual and Engineering Technician Education Programme Accreditation Manual.
- To assist the IHLs in preparing the Self-Assessment Report for the visit.

STATISTIK AHLI PANEL PENILAI EAC BAGI TAHUN 2019

STATISTICS OF ETAC EVALUATION PANEL MEMBERS FOR 2019

NO. BIL	BRANCH BIDANG	ACADEMIC AKADEMIK	INDUSTRY INDUSTRI	GRAND TOTAL JUMLAH BESAR
1	Chemical Kimia	36	3	39
2	Civil Awam	66	11	77
3	Electrical Elektrikal	66	9	75
4	Electronic Elektronik	46	0	46
5	Mechanical Mekanikal	110	13	123
6	OTHERS: Lain - lain	12	3	15
	Details -			
	• Building	1		1
	• Communication		1	1
	• Manufacturing	5	1	6
	• Material	4		4
	• Petroleum	1		1
	• Telecommunication	1	1	2
	TOTAL Jumlah	336	39	375

No.	Tajuk (Tittle)	Date (Tarikh)
1.	ETAC New Panel Evaluators Workshop	19-21 February 2019 18-20 June 2019 16-18 October 2019
2.	ETAC Panel Training (Conversion)	6 March 2019 13 June 2020
3.	ETAC Training for IHL	23-25 April 2019 20-22 August 2019
4.	SLT - EAC/ETAC Standard Expectations	2 May 2019
5.	Accreditation Awareness Session in Conjunction with BEM Training & Education Roadshow 2019	31 July 2019 2 August 2019 3 September 2019 24 September 2019 15 October 2019
6.	ETAC OBE Workshop	5 September 2019



**PERISTIWA
PENTING
2019**
HIGHLIGHTS

PERISTIWA PENTING 2019

HIGHLIGHTS OF 2019

MESYUARAT PERIKATAN KEJURUTERAAN ANTARABANGSA 9-14 Jun 2019 Hong Kong

Mesyuarat Perikatan Kejuruteraan Antarabangsa (IEA) menjadi penangung kepada 4 Perjanjian dan 3 Persefahaman sebagaimana berikut:

- Perjanjian Jurutera APEC
- Perjanjian Jurutera Profesional Antarabangsa
- Perjanjian Teknologis Kejuruteraan Antarabangsa
- Perjanjian Juruteknik Kejuruteraan Antarabangsa
- Permuafakatan Washington
- Permuafakatan Sydney
- Permuafakatan Dublin

Malaysia telah melibatkan diri dalam Mesyuarat Perikatan Kejuruteraan Antarabangsa sejak tahun 1999 dengan menandatangani Perjanjian Jurutera Profesional Antarabangsa pada tahun tersebut, Jurutera APEC pada tahun 2000 dan Permuafakatan Washington (Washington Accord) pada 2009.

Mesyuarat Perikatan Kejuruteraan Antarabangsa 2019 telah diadakan di Crowne Plaza Hong Kong Kowloon East dari 9 - 14 Jun 2019. Dalam mesyuarat kali ini Malaysia telah menghantar 9 orang wakil termasuk 2 dari IEM untuk menghadiri mesyuarat tersebut.

Sebagai anggota penuh penandatanganan, Malaysia telah menyertai semua mesyuarat-mesyuarat berkaitan iaitu Mesyuarat Permuafakatan Washington, Permuafakatan Sydney dan Permuafakatan Dublin. Malaysia juga telah turut serta dalam mesyuarat Permuafakatan Seoul sebagai Pemerhati.

Untuk rekod, Permuafakatan Washington adalah perjanjian antarabangsa antara badan-badan yang bertanggungjawab untuk menilai program akademik Kejuruteraan, Permuafakatan Sydney adalah perjanjian antarabangsa antara badan-badan yang bertanggungjawab untuk menilai program

INTERNATIONAL ENGINEERING ALLIANCE MEETING 9-14 June 2019 Hong Kong

Under the auspices of International Engineering Alliance (IEA) Meeting there are 4 Agreements and 3 Accords as follows:

- APEC Engineer Agreement
- International Professional Engineer Agreement
- International Engineering Technologist Agreement (IETA)
- Agreement for International Engineering Technicians (AIET)
- Washington Accord
- Sydney Accord
- Dublin Accord

Malaysia has been involved in the International Engineering Alliance Meeting since 1999 by signing the International Professional Engineer Agreement, APEC Engineer Agreement in year 2000 and be a signatory of Washington Accords in the year 2009.

IEA 2019 was held at the Crowne Plaza Hong Kong Kowloon East from 9 - 14 June 2019. In this meeting, Malaysia sent 9 representatives including 2 from Institution of Engineers Malaysia (IEM) to the meeting.

As a full signatory, Malaysia has participated in Washington Accord, Sydney Accord and Dublin Accord Meetings. Malaysia also participated in Seoul Accord Meeting as Observer.

For the record, Washington Accord is an international agreement between bodies responsible for accrediting engineering academic programmes; Sydney Accord is an international agreement between bodies responsible for accrediting engineering technology academic programmes and

akademik kejuruteraan teknologi dan Permuafakatan Dublin pula adalah Perjanjian Antarabangsa yang mewujudkan dasar pendidikan yang dikehendaki untuk juruteknik Kejuruteraan.

Dublin Accord is an international agreement establishing the required educational base for engineering technicians

Mesyuarat IEA tahun hadapan (2020) dijadualkan berlangsung di Afrika Selatan dan tahun berikutnya (2021) di Ireland.

The next IEAM 2020 will be held in South Africa in June 2020 and to be followed by IEAM 2021 in Ireland.



Para peserta Mesyuarat Permuafakatan Antarabangsa 2019
Participants of the International Engineering Alliance Meeting 2019



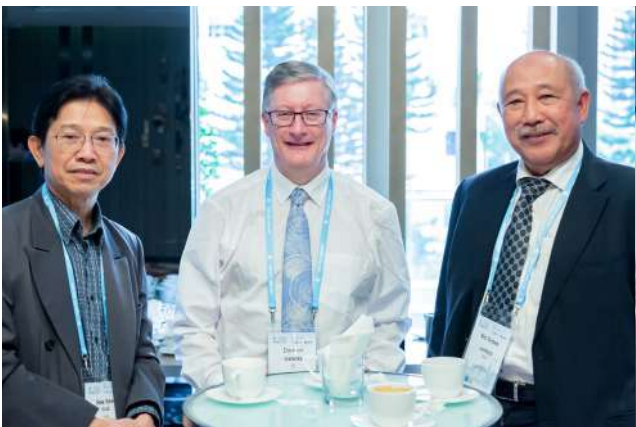


Prof. Ir. Megat Johari Megat Mohd Noor yang dicalonkan bagi jawatan Naib Pengerusi Washington Accord, menyampaikan ucapannya di Mesyuarat Penutup IEA 2019, Hong Kong.

Prof. Ir. Megat Johari Megat Mohd Noor who was nominated as Deputy Chair of Washington Accord, delivering his speech at IEA Closing Meeting 2019, Hong Kong.



Sekitar Mesyuarat Permuafakatan Antarabangsa 2019
IEA Meeting in progress



RANGKAIAN BADAN-BADAN AKREDITASI UNTUK PENDIDIKAN KEJURUTERAAN DI ASIA (NABEEA) 10 Jun 2019 Hong Kong

Malaysia adalah Anggota Majlis Rangkaian Badan-Badan Akreditasi untuk Pendidikan Kejuruteraan di Asia (NABEEA). NABEEA ditubuhkan pada 2006 di Tokyo sempena symposium JABEE (Lembaga Pentauliahkan Pendidikan Kejuruteraan Jepun). NABEEA adalah satu rangkaian badan akreditasi untuk pendidikan kejuruteraan antara negara-negara Asian.

Tahun ini Perhimpunan Agung NABEEA telah diadakan pada 10.6.2019 di Crowne Plaza Hong Kong Kowloon East. Ia kebiasaannya diadakan semasa Mesyuarat Perikatan Kejuruteraan Antarabangsa.

Malaysia telah diberi kepercayaan untuk mempengerusikan NABEEA untuk tempoh 2 tahun (2018-2019). Malaysia melalui BEM juga telah dicalonkan oleh Singapura untuk terus memegang jawatan Sekretariat NABEEA selama 2 tahun lagi (sesi 2019-2021) dan pencalonan ini telah disokong oleh Pakistan.

Dalam mesyuarat ini, Institusi Jurutera Hong Kong telah diterima masuk sebagai Anggota Majlis NABEEA memandangkan ia telah diterima masuk sebagai Anggota Penuh Permuafakatan Washington pada 2017.

PERSIDANGAN DAN BENGKEL NABEEA PERTAMA 19-20 Februari 2020 Myanmar

Persidangan dan Bengkel NABEEA pertama diadakan di Yangon, Myanmar yang dianjurkan oleh Lembaga Jurutera Malaysia dan dihoskan oleh Majlis Kejuruteraan Myanmar (MEngC) pada 19-20 Februari 2019. Objektifnya adalah bagi berkongsi pengalaman penandatanganan Washington Accord (WA) dari NABEEA dengan para peserta terutamanya wakil dari institusi pengajian tinggi Myanmar.

LJM dan Institusi Jurutera Singapura (IES) dijemput untuk berkongsi pengalaman mereka dengan lebih kurang 60 orang peserta.

NETWORK OF ACCREDITATION BODIES FOR ENGINEERING EDUCATION IN ASIA (NABEEA) 10 June 2019 Hong Kong

Malaysia is a Council Member of the Network of Accreditation Bodies for Engineering Education in Asia (NABEEA). NABEEA was formed in 2006 during Japan Accreditation Board for Engineering Education (JABEE) Symposium. NABEEA should be a loose network of accreditation bodies for engineering education among the ASIAN Countries.

This year NABEEA General Assembly was conducted on 10.6.2019 at Crowne Plaza Hong Kong Kowloon East. It was held back to back with the International Engineering Alliance Meeting.

Malaysia was entrusted as Chairman to NABEEA for the next 2 years (2019 - 2021). Malaysia through BEM is also nominated by Singapore to continue holding the Secretariat to NABEEA post for another 2 years (session 2019-2021) and seconded by Pakistan.

In this meeting Hong Kong Institution of Engineers (HKIE) was accepted as the Council Member since she has been admitted as Full Member of the Washington Accord in 2017.

1ST NABEEA CONFERENCE AND WORKSHOP 19-20 February 2020 Myanmar

The 1st NABEEA Conference and Workshop was held in Yangon, Myanmar organised by Board of Engineers Malaysia and hosted by Myanmar Engineering Council (MEngC) on 19-20 February 2019. Its objective was the sharing of experience by Washington Accord (WA) signatories from NABEEA with the participants mainly representatives from Myanmar's institutions of higher learning (IHL).

The Board of Engineers Malaysia (BEM) and Institution of Engineers Singapore (IES) were invited to share their experiences. There were approximately 60 participants.

Hari pertama, 19 Februari 2019, adalah Persidangan yang dirasmikan oleh Prof Dato Ir. Dr Hassan Basri yang mewakili Pengerusi NABEEA, Dato Sri Ir. Dr Roslan Mohd Taha.

Tiga kertas kerja dibentangkan pada sesi pagi. Pengalaman IES di WA oleh Prof Lock Kai Sang, Pengalaman LJM di WA oleh Prof Ir Megat Johari dan Akreditasi Berasaskan Hasil oleh Ir. Abdul Aziz Omar. Pada sebelah petang, sesi dialog diadakan dengan keempat-empat penyampai dan peserta.

Bengkel telah diadakan pada hari kedua, 20 Februari 2019. Prof Ir Megat Johari dan Ir Abdul Aziz memudahcara bengkel yang berkaitan dengan pendidikan dan akreditasi berdasarkan hasil. Antara isi kandungannya adalah pengenalan untuk mempersiapkan IPT Myanmar mematuhi garis panduan berdasarkan hasil WA agar dapat diterima sebagai penandatanganan penuh untuk WA. Untuk rekod, MEngC telah memohon Keanggotaan Sementara WA di mana LJM adalah salah satu pencalonannya.

The first day, 19 February 2019, was the Conference which was officiated by Y.Bhg. Prof Dato Ir. Dr Hassan Basri representing the Chairman of NABEEA, Y.Bhg. Dato Sri Ir. Dr Roslan Mohd Taha.

During the Conference, three papers were presented in the morning. IES experience in WA by Prof Lock Kai Sang, BEM experience in WA by Prof Ir Megat Johari and Outcome Based Accreditation by Ir. Abdul Aziz Omar. In the afternoon, a dialog session was held with the four presenters and participants.

The workshop was held on the second day, 20 February 2019. Prof Ir Megat Johari and Ir Abdul Aziz facilitated the workshop which was on the outcome-based education and accreditation. The content was basically an introduction to prepare the Myanmar IHL for their conformance to WA outcome-based guidelines in order to be admitted as full signatory to WA. For the record, MEngC has applied for Provisional Membership of WA of which BEM is one of her nominators.

MESYUARAT JAWATANKUASA PENYELARAS PERKHIDMATAN ASEAN

1. Mesyuarat ke-92, Bandar Seri Begawan, Brunei Darussalam, 11 - 15 Februari 2019
2. Mesyuarat ke-93, Kuala Lumpur, 17-21 Jun 2019
3. Mesyuarat ke-94, Philippines, 21-25 Oktober 2019

LJM selaku badan yang mengawal selia profesion kejuruteraan di Malaysia telah menghantar wakil menghadiri mesyuarat di atas dan mesyuarat-mesyuarat lain yang diadakan sempena Mesyuarat Jawatankuasa Penyelaras Perkhidmatan. Di bawah naungan Jawatankuasa Penyelaras Perkhidmatan, terdapat beberapa mesyuarat berdasarkan Perkhidmatan contohnya Perkhidmatan Kejuruteraan, Arkitek, Surveying dan lain-lain.

Untuk bidang perkhidmatan kejuruteraan, Malaysia (melalui LJM) menghadiri Mesyuarat Jawatankuasa Penyelaras Jurutera Profesional ASEAN yang dianggotai oleh kesemua 10 Negara ASEAN. Mesyuarat ini dipengerusikan oleh Singapura. Pengerusi dilantik secara giliran setiap 2 tahun.

Sepanjang tahun 2019 mesyuarat tersebut telah meluluskan Jurutera Profesional ASEAN seperti di Jadual 1 dan telah mendaftarkan 10 orang Jurutera Profesional Asing Berdaftar sebagaimana Jadual 2:

Jadual 1 / Table 1

AMS	39th ACPECC	40th ACPECC	41st ACPECC		Cumulative Approved Application	Cumulative De-registered and Deceased ACPEs	ACPEs Balance
	Cumulative Approved Application	Cumulative Approved Application	Applications Received	Approved Application			
Brunei Darussalam	23	24	4	4	28	-	28
Cambodia	70	75	6	6	81	-	81
Indonesia	1100	1103	68	68	1171	18	1153
Lao PDR	12	14	-	-	14	-	14
Malaysia	640	711	67	67	778	10	768
Myanmar	562	602	16	16	618	2	616
Philippines	438	498	96	96	594	-	594
Singapore	281	284	5	5	289	-	289
Thailand	217	220	3	3	223	-	223
Viet Nam	204	204	58	58	262	-	262
Total	3547	3735	323	323	4058	30	4028

ASEAN COORDINATING COMMITTEE MEETING ON SERVICES:

1. 92nd Meeting, Bandar Seri Begawan, Brunei Darussalam, 11 - 15 February 2019
2. 93rd Meeting, , Kuala Lumpur, 17-21 June 2019
3. 94th Meeting Philippines, 21-25 October 2019

BEM as the body regulating engineering profession in Malaysia has sent representatives to attend all meetings of the above. Under the auspices of the CCS Meeting, there are a number of meeting based services such as Engineering services, Architectural, Surveying and others.

For engineering services, Malaysia (Board of Engineers Malaysia) attended the ASEAN Chartered Professional Engineer Coordinating Committee Meeting which comprises of all 10 ASEAN Countries. The meeting is currently chaired by Singapore. The Chairman is appointed by rotation every 2 years.

Throughout 2019, the meeting has approved ASEAN Chartered Professional Engineer as in Table 1 and has registered 10 Registered Foreign Professional Engineer as in Table 2:

Jadual 2 / Table 2

Professional Regulatory Authority (PRA)											
	BN	CA	ID	LA	MY	MM	PH	SG	TH	VN	Total
BN	-										0
KH		-									0
ID			-								0
LA				-							0
MY					-	3	0	1			4
MM					0	-		1	0		1
PH					2		-				2
SG					4	2		-			6
TH					1	2			-		3
VN										-	0
Total	0	0	0	0	7	7	0	2	0	0	16

Malaysia Sebagai Tuan Rumah Mesyuarat Meja Bulat Jurutera Profesional ASEAN 18 Jun 2019 JW Marriott Kuala Lumpur

Bersempena dengan Mesyuarat Jawatankuasa Penyelaras Perkhidmatan yang dianjurkan oleh Kementerian Perdagangan Antarabangsa dan Industri, LJM telah menganjurkan Mesyuarat Meja Bulat ACPECC ke-40 dengan tema "Beyond MRA". Mesyuarat ini telah dihadiri lebih 100 orang penggiat industri dari seluruh ASEAN.

Enam Kertas Kerja telah dibentangkan seperti berikut.

Mesyuarat mengiktiraf AEC sebagai "Pasaran Bersama dan Pangkalan Pengeluaran tanpa sempadan" ASEAN untuk mencapai 5 ciri yang saling berkaitan dan saling memperkuat iaitu:

1. Ekonomi yang sangat bersepadu dan padu;
2. ASEAN yang berdaya saing, inovatif dan dinamik;
3. Peningkatan hubungan dan kerjasama sektoral;
4. ASEAN yang berdaya tahan, inklusif, berorientasi orang dan berpusatkan orang; dan
5. ASEAN global.

Delegasi ASEAN telah dibawa melawat Menara Kerja Raya bagi Lawatan Teknikal.

Malaysia Hosting the Roundtable Meeting for ASEAN Chartered Professional Engineer 18 June 2019 JW Marriott Kuala Lumpur

In conjunction with the Coordinating Committee on Services Meeting organised by Ministry of International Trade and Industry, Board of Engineers Malaysia has organised the 40th ACPECC Roundtable Meeting with theme Beyond MRA. More than 100 industry players from all over ASEAN Countries attended the meeting.

Six working papers have been presented as follows.

The meeting recognised the AEC as ASEAN's "Common Market and a borderless Production Base" to attain 5 interrelated and mutually reinforcing characteristics that are:

1. A highly integrated and cohesive Economy;
2. A competitive, innovative and dynamic ASEAN;
3. Enhanced connectivity and sectoral cooperation;
4. A resilient, inclusive, people oriented and people centred ASEAN; and
5. A global ASEAN.

ASEAN delegation was brought to Menara Kerja Raya for technical visit.

Sekitar Mesyuarat Meja Bulat ACPECC

ACPECC Roundtable Meeting

18 Jun 2019





Lawatan Teknikal ke Menara Kerja Raya

Technical Visit to Menara Kerja Raya

18 Jun 2019



MESYUARAT ACPECC KE-40

40th ACPECC Meeting

19 Jun 2019



MAJLIS PENYAMPAIAN SIJIL JURUTERA PROFESIONAL BERTAULIAH ASEAN

*ASEAN Chartered Professional Engineer
Certificate Presentation Ceremony*

4 Januari 2019



MAJLIS PENYAMPAIAN SIJIL JURUTERA PROFESIONAL BERTAULIAH ASEAN

*ASEAN Chartered Professional Engineer
Certificate Presentation Ceremony*

6 Mac 2019



SIRI JERAYAWARA LJM 2019

LJM telah mengadakan Siri Jerayawara Pendidikan & Latihan LJM 2019 di seluruh Malaysia, merangkumi pembentangan topik-topik berikut;

Kertas 1 :	The Role and Responsibility of PE for Temporary Works during Construction Stage
Kertas 2 :	Safety under REA
Kertas 3 :	OSHM Guideline for Engineers
Kertas 4 :	CIDB's Role in Promoting Safe Construction Work & Culture in Construction Industry
Kertas 5 :	BEM Registration of Engineering Technologist (ET) & Inspector of Works (IOW)
Kertas 6 :	Safety in Supervision Works at Construction Site
Kertas 7 :	Route to PE and PAE
Kertas 8 :	Safety Compliance in Tender
Kertas 9 :	BEM Registration of Accredited Checker in Geotechnical and Structural
Kertas 10 :	Benefits and Values of MyBEM to BEM Registered Persons

Siri Jerayawara Pendidikan & Latihan LJM 2019 ini telah dijalankan dengan jayanya di beberapa tempat seperti di bawah:

BEM ROADSHOW SERIES 2019

BEM has conducted BEM Training & Education Roadshow 2019 nationwide with the theme "Safety Awareness", which covers the following presentation topics;

Paper 1 :	The Role and Responsibility of PE for Temporary Works during Construction Stage
Paper 2 :	Safety under REA
Paper 3 :	OSHM Guideline for Engineers
Paper 4 :	CIDB's Role in Promoting Safe Construction Work & Culture in Construction Industry
Paper 5 :	BEM Registration of Engineering Technologist (ET) & Inspector of Works (IOW)
Paper 6 :	Safety in Supervision Works at Construction Site
Paper 7 :	Route to PE and PAE
Paper 8 :	Safety Compliance in Tender
Paper 9 :	BEM Registration of Accredited Checker in Geotechnical and Structural
Paper 10 :	Benefits and Values of MyBEM to BEM Registered Persons

The roadshows 2019 was successfully conducted at the following venues:

No.	Negeri (State)	Tarikh (Date)	Tempat (Venue)	Peserta* (Participants)
1	Sarawak	31st July 2019	Pullman Hotel Kuching, Sarawak	411
2	Sabah	2nd August 2019	Promenade Hotel Kota Kinabalu, Sabah	163
3	Johor	3rd September 2019	Berjaya Waterfront Hotel Johor Bahru, Johor	138
4	Terengganu	10th September 2019	Duyong Marina & Resort Kuala Terengganu, Terengganu	49
5	Pulau Pinang	24th September 2019	Ixora Hotel Seberang Perai, Pulau Pinang	98
6	Kuala Lumpur	15th October 2019	The Royale Chulan Kuala Lumpur	302

No.	Organisasi (Organisation)	Tarikh (Date)	Tajuk (Title)
1	Jabatan Pengairan Dan Saliran Malaysia (JPS)	15th January 2019	Taklimat Pendaftaran Sebagai Jurutera Professional bagi Tahun 2019
2	Jabatan Perkhidmatan Pembentukan (JPP)	31st January 2019	Taklimat Berkaitan Prosedur Pendaftaran Sebagai PE dan GE Untuk Kakitangan JPP
3	Northport (Malaysia) Berhad	18th February 2019	Route to PE
4	Perbadanan Putrajaya (PPj)	20th February 2019	Introduction to BEM
5	Universiti Teknologi MARA (UiTM) Shah Alam	22nd February 2019	Discussion with BEM
6	Universiti Putra Malaysia (UPM) 25th February 2019	Route to PEPC	
7	Tenaga Nasional Berhad (TNB)	13th March 2019	Route to PE
8	Politeknik Melaka	14th March 2019	Introduction to BEM
9	Alumni Fakulti Kejuruteraan Elektrik Universiti Teknologi MARA (UiTM)	5th April 2019	Value of Becoming Professional Engineer
10	Jawatankuasa CPD Elektrik, Kementerian Kesihatan Malaysia (KKM)	17th April 2019	Permohonan dan Pendaftaran Jurutera Professional dan Inspector of Works
11	JKR Terengganu	29th April 2019	Route to PE
12	JKR Cawangan Cerun	25th June 2019	Career Talk
13	Association of Malaysia Airlines License Aircraft Engineer (AMALAE)	19th July 2019	Value of Becoming Professional Engineer
14	TechnipFMC	24th July 2019	Route to PE
15	Jabatan Mineral & Geosains Kedah/Perlis/ Pulau Pinang	27th August 2019	Introduction to REA
16	Mega Jati Consult Sdn. Bhd.	21st September 2019	Route to PEPC
17	JKR Pulau Pinang	25th September 2019	Route to PE
18	Kementerian Kesihatan Malaysia (KKM)	16th October 2019	Route to PE
19	Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP)	4th November 2019	Route to PE
20	Akademi Pengangkutan Awam Malaysia. Jabatan Pengangkutan Jalan (JPJ)	4th November 2019	Route to PE
21	PETRONAS (Penapisan) Terengganu Sdn. Bhd.	19th November 2019	PAE & PCE



Route to PE @ NorthPort (M) Sdn Bhd



Route to PE @ Jabatan Perkhidmatan Pembentukan



Sesi Perbincangan dengan Perbadanan Putrajaya Dialogue session with Perbadanan Putrajaya



HARI PROFESION TEKNIKAL NEGARA 2019 (HPTN 2019)

HPTN 2019 telah berlangsung pada 3hb - 4hb Disemberr 2019 di TM Convention Centre, Kuala Lumpur. HPTN 2019 yang bertemakan "Profesion Teknikal Teras Kemakmukan Bersama" telah dirasmikan oleh Tun Mahathir Mohamed.

LJM dalam memberikan sokongan penuh kepada HPTN 2019, telah menyertai beberapa aktiviti berikut:

- 1) Ceramah teknikal bertajuk "Teknologis Kejuruteraan dan Keperluan Pendaftaran Mandatori" (oleh Ir. Abdul Aziz bin Omar)
- 2) Pertandingan STEM
- 3) Kaunter Pertanyaan & Perkhidmatan
 - a) Pendaftaran
 - b) Pembaharuan Pendaftaran
 - c) Peperiksaan & Kualifikasi

HARI PROFESION TEKNIKAL NEGARA 2019 (HPTN 2019)

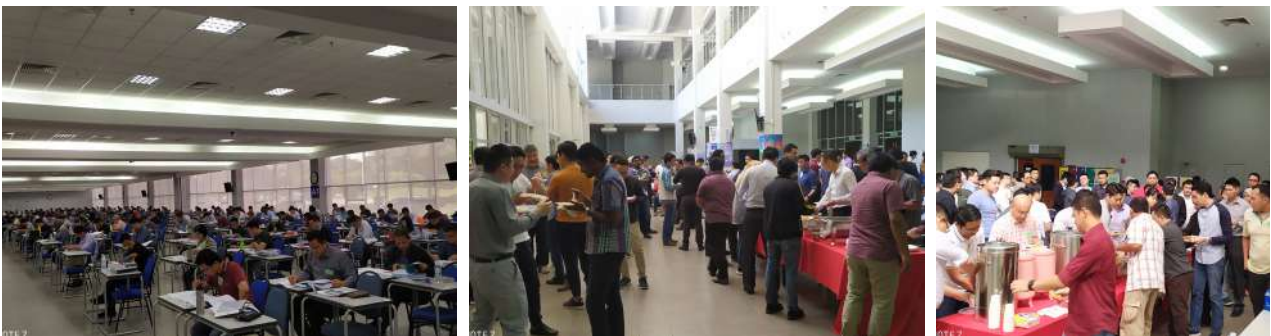
HPTN 2019 was conducted on 3rd - 4th December 2019 at TM Convention Centre, Kuala Lumpur. HPTN 2019 with theme "Profesion Teknikal Teras Kemakmukan Bersama" was officiated by Tun Mahathir Mohamed.

BEM had provided full support to HPTN 2019, by participating in the following activities:

- 4) Technical talk on Engineering Technologist and Requirement for Mandatory Registration (by Ir. Abdul Aziz bin Omar)
- 5) STEM Competition
- 6) Help Desk & Counter
 - a) Registration
 - b) Registration Renewal
 - c) Examination & Qualification



PEPERIKSAAN PENILAIAN KOMPETENSI 2019
Professional Competency Examination 2019
25 - 26 November 2019



Kunjungan Hormat / Courtesy Visit
Center for Professional Training and Services,
CAST & Chinese Mechanical Engineering Society
18 Oktober 2019



EAC ACCREDITATION VISITS, PANEL EVALUATORS WORKSHOPS & TRAININGS 2019



ETAC ACCREDITATION VISITS, PANEL EVALUATORS WORKSHOPS & TRAININGS 2019





LEMBAGA JURUTERA MALAYSIA

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