

IEM

THE INSTITUTION OF ENGINEERS, MALAYSIA

THE INSTITUTION OF ENGINEERS, MALAYSIA
INSTITUSI JURUTERA MALAYSIA

2020 IEM

61st Annual Report
Laporan Tahunan Ke-61





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**Sessions Past Presidents**

1959/62	Allahyarham Tan Sri Ir. (Dr) Haji Yusoff bin Haji Ibrahim
1962/64	Allahyarham Raja Tan Sri Ir. Zainal bin Raja Sulaiman
1964/66	Late Ir. Thean Lip Thong
1966/68	Late Tan Sri Datuk Ir. Prof. Dr. Chin Fung Kee
1968/69	Late Ir. Ow Yang Hong Chiew
1969/70	Late Ir. Chan Peng Khuen
1970/72	Allahyarham Tan Sri Dato' (Dr) Ir. Haji Abu Zarim bin Haji Omar
1972/74	Late Academician Tan Sri Ir. (Dr) J. G. Daniel
1974/75	Allahyarham Tan Sri Datuk Ir. Haji Halaluddin bin Mohd. Ishak
1975/1977	Late Ir. Chan Khee Pok
Apr-Dec 1977	Allahyarham Tan Sri Datuk Ir. Mahfoz bin Khalid
1977/79	Allahyarham Ir. Tuan Haji Mohd. Razali bin Bidin
1979/81	Late Ir. Wong Kin Hong
1981/82	Late Ir. Chiam Teong Tee
1982/84	Allahyarham Tan Sri Datuk Ir. Haji Mohd. Hassan bin Abdul Wahab
1984/86	Y.Bhg. Dato' Ir. Pang Leong Hoon

FELLOW KEHORMAT TERTINGGI, IEM

Year	Name of Recipients
2003	Y.A.Bhg. Tun Dr Mahathir bin Mohamed

FELLOW KEHORMAT, IEM

Year	Name of Recipients
1981	Allahyarham Tan Sri Ir. (Dr) Haji Yusoff bin Haji Ibrahim
1981	Allahyarham Raja Tan Sri Ir. Zainal bin Raja Sulaiman
1981	Late Ir. Thean Lip Thong
1981	Late Tan Sri Datuk Ir. Prof. Dr. Chin Fung Kee
1982	Allahyarham Tan Sri Dato' (Dr) Ir. Haji Abu Zarim bin Haji Omar
1982	Late Academician Tan Sri Ir. (Dr) J. G. Daniel
1984	Y.A.Bhg. Tun Dr Mahathir bin Mohamed (<i>transferred to Grade of Distinguished Hon Fellow in 2004</i>)
1986	Late Ir. Chiam Teong Tee
1986	Allahyarham Tan Sri Datuk Ir. Haji Mohd. Hassan bin Abdul Wahab
1988	Allahyarham Tun Hussein Onn
1989	Al-Marhum Paduka Seri Sultan Azlan Muhibbuddin Shah Ibni al-Marhum Sultan Yussuf Izzuddin Shah Ghafarullahu-Lah
1991	Y.Bhg. Dato' Ir. Pang Leong Hoon
1991	Prof. Dr. Ing. B. J. Habiebie
1993	Allahyarham Dato' Ir. Mustafa bin Ahmad (<i>posthumous</i>)
1993	Y.Bhg. Tan Sri Dato' Ir. (Dr) Shamsuddin bin Abdul Kadir
1993	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong (<i>transferred to Grade of Distinguished Hon Fellow in 2010</i>)
1994	Al-Marhum Tuanku Ja'afar Ibni al-Marhum Tuanku Abdul Rahman
1995	Y.Bhg. Datuk Amar (Dr) Leo Moggie
1998	Y.A.Bhg. Tun Daim Zainuddin
2001	Y.A.B. Dato' Seri Abdullah bin Haji Ahmad Badawi
2003	Y.Bhg. Dato' Seri Law Hieng Ding
2004	Y.Bhg. Datuk Tham Nyip Shen
2006	Late Ir. Teoh Cheng Hock (Ir. C.H. Teoh) (<i>posthumous</i>)
2007	Y.Bhg. Tan Sri Dato' Ir. Haji Zaini bin Omar
2008	YAB Pehin Seri Tan Sri Dr Haji Abdul Taib bin Mahmud
2008	YAB Datuk Seri Panglima Musa bin Haji Aman
2008	YAB Dato' Seri Ir. Hj Mohammad Nizar bin Jamaluddin
2009	Y.Bhg. Dato' Sri Ir. Mohd Zin bin Mohamed

AHLI KEHORMAT, IEM

Year	Name of Recipients
2009	Late Master Yeoh Tong Eng
2012	En. Mohd. Annuar bin Taib
2012	Y. Bhg. Dato' Hj. Abd. Halim bin Hj. Abd Latif
2012	Y. Bhg. Dato' Baharudin bin Sariman
2012	Y. Bhg. Dato' Gan Boon Khuay
2012	Puan Salmah binti Mohd Taufik
2013	Y.Bhg. Dato' Prof. Dr Mohd Noh bin Dalimin
2013	Y.Bhg. Dato' Dr Mohamad bin Hashim

AHLI TERTINGGI, IEM

Year	Name of Recipient
2013	YBhg. Tan Sri Dato' Ir. Teo Chiang Kok

Sessions Past Presidents

1986/88	Allahyarham Ir. Tuan Haji Abdul Rahman bin Yaacob
1988/90	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong
1990/92	Allahyarham Dato' Ir. Mustafa bin Ahmad
1992/93	Ir. Chong Pick Eng (P.E. Chong)
1993/95	Y.Bhg. Dato' Ir. Abdul Rashid bin Ahmad
1995/97	Ir. Dr Ting Wen Hui
1997/99	Ir. Tuan Haji Mohd. Mazlan bin Md. Ismail Merican
1999/01	Y.Bhg. Academician Tan Sri Datuk Ir. (Dr) Haji Ahmad Zaidee bin Laidin
2001/03	Y.Bhg. Dato' Ir. Dr Gue See Sew
2003/05	Y.Bhg. Dato' Ir. Prof. Abang Abdullah bin Abang Ali
2005/07	Y.Bhg. Datuk Ir. Prof. Dr Ow Chee Sheng
2007/09	Y.Bhg. Dato' Paduka Ir. Prof (Dr) Haji Keizrul bin Abdullah
2009/11	Y.Bhg. Academician Dato' Ir. Prof. Dr Chuah Hean Teik
2011/13	Ir. Vincent Chen Kim Kieong
2013/14	Ir. Choo Kok Beng
2014/16	Y.Bhg. Dato' Ir. Lim Chow Hock

IEM DISTINGUISHED HONORARY FELLOW

2010	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong
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IEM HONORARY FELLOW

Year	Name of Recipients
2012	Y.Bhg Dato' Ir. Donald Lim Siang Chai
2012	Ir. Dr Ooi Teik Aun
2012	Late Ir. Ow Yang Hong Chiew (<i>posthumous</i>)
2012	Late Ir. Chan Peng Khuen (<i>posthumous</i>)
2012	Allahyarham Tan Sri Datuk Ir. Haji Halaluddin bin Mohd. Ishak (<i>posthumous</i>)
2012	Late Ir. Chan Khee Pok (<i>posthumous</i>)
2012	Allahyarham Tan Sri Datuk Ir. Mahfoz bin Khalid (<i>posthumous</i>)
2012	Allahyarham Ir. Haji Mohd. Razali bin Bidin (<i>posthumous</i>)
2012	Late Ir. Wong Kin Hong (<i>posthumous</i>)
2012	Allahyarham Ir. Haji Abdul Rahman bin Yaacob
2012	Ir. Chong Pick Eng (P.E. Chong)
2012	Y.Bhg. Dato' Ir. Abdul Rashid bin Ahmad
2012	Ir. Dr Ting Wen Hui
2012	Ir. Haji Mohd. Mazlan bin Md. Ismail Merican
2012	Y.Bhg. Academician Tan Sri Datuk Ir. (Dr) Haji Ahmad Zaidee bin Laidin
2012	Y.Bhg. Dato' Ir. Dr Gue See Sew
2012	Y.Bhg. Dato' Ir. Prof. Abang Abdullah bin Abang Ali
2012	Y.Bhg. Datuk Ir. Prof. Dr Ow Chee Sheng
2012	Y.Bhg. Dato' Paduka Ir. Prof. (Dr) Haji Keizrul bin Abdullah
2013	Y.Bhg. Academician Dato' Ir. Prof. Dr Chuah Hean Teik
2014	Ir. Vincent Chen Kim Kieong
2014	Y. Bhg. Dato' Sri Ir. Dr. Judin bin Abdul Karim
2014	Y. Bhg. Tan Sri Dato' Ir. Dr. Gan Thian Leong
2014	Allahyarham Dato' Ir. Prof. Dr. Radin Umar bin Radin Sohadi (<i>posthumous</i>)
2015	Y. Bhg. Tan Sri Dato' Seri Jeffrey Cheah Fook Ling AO
2016	Ir. Choo Kok Beng
2017	Mr. Antonio Guterres
2017	Professor Dr. Shahbaz Khan
2018	Ir. Khoo Choong Keow
2019	Ir. M C Hee (<i>posthumous</i>)

IEM HONORARY MEMBER

Year	Name of Recipients
2014	Y.Bhg. Dato' Lau Siu Wai
2014	Y.B. Datuk Dr. Abu Bakar bin Mohamad Diah
2015	Y.Bhg. Datuk Professor Dr. Shahrin Bin Sahib @ Sahibuddin
2017	YBhg. Dato' Emeritus Professor Dr Hassan Said
2019	YBhg. Dato' Abdul Karim bin Mohd Tahir
2019	Mr. Lim Swee Ee

IEM DISTINGUISHED MEMBER



IEM'S VISION

The Institution of Engineers, Malaysia aims to be the premier learned engineering society championing the adoption of ethics and professional best practices in all sectors of the industry.

IEM'S MISSION

IEM shall promote sound professional engineering practice in support of the socio-economic development objectives of the nation.

IEM shall service the needs and interests of its members and the public and uphold the social standing and image of the engineering profession.

IEM shall contribute towards nation building and shall strive to enhance society's consciousness of science, engineering and technology.

IEM'S FUNCTIONS

IEM is a society established to promote and advance the Science and Profession of Engineering in any or all its disciplines and to facilitate the exchange of information and ideas related to Engineering.

IEM'S OBJECTIVES

The objectives of The Institution as set out in the Constitution shall include the following:-

- (a) to hold meetings, exhibitions and visits, and such other activities as The Institution may deem incidental or conducive to the promotion or attainment of the profession of engineering;
- (b) to raise the character and status and advance the interests of the profession of engineering and those engaged therein;
- (c) to communicate to members information on all matters affecting the profession of engineering and to print, publish, issue and circulate such publications as may seem conducive to any of the objectives of The Institution; and
- (d) to do such other things as the Institution may think incidental or conducive to the attainment of the objectives of The Institution.



Position	Name	
President	Ir. David Lai Kong Phooi	
Deputy President	Ir. Ong Ching Loon	
Vice Presidents	Ir. Prof. Dr. Norlida bt Buniyamin	
	Ir. Prof. Dr. Jeffrey Chiang Choong Luin	
	Ir. Ellias bin Saidin	
	Y. Bhg. Dato' Ir. Ahmad Murad bin Omar	
	Ir. Dr Tan Chee Fai	
	Ir. Mohd Aman bin Hj. Idris	
	Ir. Dr. Wang Hong Kok	
Honorary Secretary	Ir. Mohd Khir bin Muhammad	
Honorary Treasurer	Ir. Chen Harn Shean	
Immediate Past President	Ir. Dr Tan Yean Chin	
Past Presidents	Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee bin Laidin	
	Y.Bhg. Dato' Ir. Dr Gue See Sew	
	Y.Bhg. Dato' Paduka Ir. (Dr) Hj Keizrul bin Abdullah	
	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik	
	Ir. Choo Kok Beng	
	Y. Bhg. Dato' Ir. Lim Chow Hock	
Council Member - Civil Rep	Ir. Dr. Lee Yun Fook	
Council Member - Mechanical Rep	Ir. Fam Yew Hin	
Council Member - Electrical Rep	Ir. Lim Kim Ten	
Council Member - Structural Rep	Ir. Dr. Ng Soon Ching	
Council Member - Chemical Rep	Ir. Prof. Dr. Lee Tin Sin	
Council Member - Other Disciplines Rep	Ir. Dr Bhuvendhara Rudrusamy	
Council Member - Multimedia Rep	Ir. Dr David Chuah Joon Huang	
Council Members - Ordinary Rep	Ir. Prof Dr. Leong Wai Yie	
	Ir. Razmahwata Mohd Razalli	
	Ir. Abdul Razak Yakob	
	Ir. Yau Chau Fong	
	Y. Bhg. Dato' Ir. Foong Choy Chye	
	Y. Bhg. Dato' Ir. Kisai bin Rahmat	
	Y. Bhg. Dato' Ir. Nor Hisham Mohd Ghazali	
	Ir. Toh Chin Kok	
	Ir. Dr Jeyanthi Ramasamy	
	Ir. Yim Hon Wa	
	Ir. Yam Teong Sian	
	Y. Bhg. Dato' Ir. Fakharazi bin Wahijan	
	Ir. Yasotha Ramachandran Chetty	
	Ir. Mohmad Asari bin Daud	
	Ir. Ng Beng Hooi	
	Ir. Dr. Lai Khin Wee	
	Ir. Prof Dr Ruslan bin Hassan	
	Ir. Mah Siew Kien	
	Y. Bhg. Dato' Ir. Mohd Azmi bin Ismail	
	Ir. Ng Yong Kong	
	Ir. Dr Mui Kai Yin	
	Y. Bhg. Dato' Ir. Noor Azmi bin Jaafar	
	Ir. Ting Chek Choon	
	Ir. Sukhairul Nizam bin Abd Razak	
	Ir. Lai Sze Ching	
Council Member by Invitation	Y. Bhg. Dato' Ir. Dr Ahmad Anuar bin Othman	
	Y. Bhg. Dato' Ir. (Dr) Andy Seo Kian Hwa	
	Ir. Hj Omar bin Mat Piah	
	Y.Bhg. Dato' Seri Ir. Dr Zaini bin Ujang	
Women Engineers Representative	Ir. Rusnida bt Talib	
Young Engineers Representatives	Dr. Yew Weng Kean	
	Ms. Tiang Kor Lin	
	Mr. Kuugan Thangarajoo	
	Mr. Tan Teck Ying	
	Mr. Lim Yiren	
Branch Representatives	Ir. Yau Ann Nian	<i>Penang Branch</i>
	Ir. Teo Ki Yuee	<i>Southern Branch</i>
	Ir. Simon Yeong Chin Chow	<i>Perak Branch</i>
	Ir. Ahmad Kamal bin Kunji	<i>Pahang Branch</i>
	Ir. Abdullah Zawawi bin Mohamad Noor	<i>Terengganu Branch</i>
	Ir. Dr Oh Seong Por	<i>Negeri Sembilan Branch</i>
	Ir. Puvanasvaran a/l Perumal	<i>Melaka Branch</i>
	Ir. Haidel Heli	<i>Sarawak Branch</i>
	Ir. Jeffrey Ng Yun Ping	<i>Sabah Branch</i>
	Ir. Wong Siong Ung	<i>Miri Branch</i>
	Ir. Abdullah bin Othman	<i>Kedah-Perlis Branch</i>
	Ir. Abrizan bin Abd Kadir	<i>Kelantan Branch</i>



1 March 2020

Ref. No: IEM20/HQ/081/AGM– 4 CPD hours

To all members of
The Institution of Engineers, Malaysia

NOTICE OF 61st ANNUAL GENERAL MEETING
Saturday, 18 April 2020, 9.00 am at Wisma IEM

In accordance with Section 7.5 of the Bylaws, notice is hereby given that the 61st Annual General Meeting of The Institution of Engineers, Malaysia shall be held at Malakoff Auditorium, 1st Floor, Wisma IEM, 21 Jalan Selangor, Petaling Jaya on **Saturday, 18 April 2020 at 9.00 am.**

The Agenda for the Annual General Meeting is as follows:-

1. Welcoming Address by the President for Session 2019/2020.
2. Confirmation of Minutes of the 60th Annual General Meeting held on 20 April 2019.
3. Matters Arising.
4. Annual Report / Financial Statements for Session 2019/2020.
5. Discussion on written issues from members of which written notice is submitted to reach IEM Secretariat by 1 April 2020. *Please note that no matters under this item shall be discussed, unless prior written notice is received by 1 April 2020.*
6. Amendments to the IEM Constitution.
7. Announcement of Results of Election for Council Session 2020/2021.
8. Awards Presentation
9. Presentation of Certificates – Members Transferred to the grade of Fellow in 2019.
10. Change of Office Bearers
11. Election of Honorary Internal Auditors.
12. Appointment of External Auditors.
13. Any Other Business
14. Presidential Address 2020/2021

Ir. Mohd Khir bin Muhammad FIEM, PEng
Hon. Secretary

NOTES:

- 1) As this is a Saturday, parking around the IEM premises (Wisma IEM and Bangunan Ingenieur) is free.
- 2) Parking facilities have also been arranged for members at the Kompleks A Menara MBPJ Car Park (behind Bangunan Ingenieur). IEM will bear the parking fees for those who park inside the Kompleks A Car park Menara MBPJ. Parking is from 8.30 am to 1.30 pm. All members parking there are therefore to produce the parking ticket for verification by the IEM Secretariat at the AGM venue. The parking ticket would be collected by the Parking Attendant at Menara MBPJ Car park upon exit.
- 3) Light breakfast will be served from 8.00 am.
- 4) To assist in our planning and arrangement to ensure there are sufficient seats, members are requested to return the reply slip to the Secretariat not later than **1 April 2020.**



PROPOSED AMENDMENTS TO THE IEM CONSTITUTION FOR DISCUSSION AT 61st ANNUAL GENERAL MEETING
SCHEDULED ON 18 APRIL 2020

EXISTING CONSTITUTION	PROPOSED AMENDMENT
ARTICLE II MEMBERSHIP	
<p><u>Article 2.2</u> Non-corporate Members shall comprise nine grades, namely (a) Distinguished Honorary Fellows (b) Honorary Fellows (c) Honorary Members (d) Companion (e) Graduate Members (f) Incorporated Members</p>	<p>Non-corporate Members shall comprise nine thirteen grades, namely (a) to (c) no change (d) Companion Senior Graduate Members (e) Graduate Members To add: (ea) Engineering Technologists Members (eb) Engineering Technologist Graduate Members (ec) Engineering Technician Members (ed) Engineering Technician Graduate Members (f) Incorporated Members</p>
<p><u>Article 2.5</u> Senior Member S.M.I.E.M. Member M.I.E.M. Companion C.I.E.M. Graduate Member Grad. I.E.M. Incorporated Member Inc. I.E.M.</p>	<p>Senior Member S.M.I.E.M. Member M.I.E.M. Companion C.I.E.M. Senior Graduate Member S.Grad.I.E.M. Graduate Member Grad. I.E.M. Engineering Technologist Member E.T.I.E.M. Engineering Technologist Graduate Member Grad. E.T.I.E.M. Engineering Technician Member E.Tn.I.E.M. Engineering Technician Graduate Member Grad. E.Tn.I.E.M. Incorporated Member Inc. I.E.M.</p>
<p><u>Article 2.14</u> Companion: A Companion shall be a person who is academically qualified, has the necessary training and experience or wide exposure to the engineering profession and that he is worthy for admission in accordance with the relevant Bylaws and Regulations.</p>	<p>Companion Senior Graduate Member: A Companion Senior Graduate Member shall be a person who is academically qualified, has the necessary training and experience or wide exposure to the engineering profession and that he is worthy for admission in accordance with the relevant Bylaws and Regulations.</p>
	<p>To insert 4 new Articles after 2.15: 2.15A Engineering Technologist Member: An Engineering Technologist Member shall be a person who in respect to his educational attainments and his practical training, complies with the relevant Bylaws and Regulations. 2.15B Engineering Technologist Graduate Member: An Engineering Technologist Graduate Member shall be a person who in respect to his age, his educational attainments and his practical training, complies with the relevant Bylaws and Regulations. 2.15C Engineering Technician Member: An Engineering Technician Member shall be a person who in respect to his educational attainments and his practical training, complies with the relevant Bylaws and Regulations. 2.15D Engineering Technician Graduate Member: An Engineering Technician Graduate Member shall be a person who in respect to his age, his educational attainments and his practical training, complies with the relevant Bylaws and Regulations.</p>



ARTICLE IV SOURCES OF INCOME													
<p><u>Article 4.1 Entrance and Transfer Fees</u> (b) Companion</p> <p>(i) who has been a Non-corporate Member in any grade for at least one (1) year, and who applies for transfer to this grade of membership within one (1) year after obtaining the required qualifications for admission to this grade.</p> <p>(ii) who does not fulfil the requirements in (b)(i) Above.</p>	<p>(b) Companion Senior Graduate Member</p> <p>(i) who has been an Non-corporate Member in any grade for at least one year, and who applies for transfer to this grade of membership within one (1) year after obtaining the required qualifications for admission to this grade.</p> <p>(ii) who does not fulfil the requirements in (b)(i) Above. (i) who has been an Associate Member for RM50.00 at least one (1) year, and who applies for transfer to this grade of membership within one (1) year after obtaining the required qualifications for admission to this grade.</p> <p>(ii) who does not fulfil the requirements in (cd)(i) Above. RM80.00</p>												
<p><u>Article 4.2 Annual Subscription</u> <u>Article 4.2.1</u></p>	<p>To insert 4 new sub-sections after Graduate Member</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Engineering Technologist Member</td> <td style="text-align: right; padding: 2px;">RM210.00</td> </tr> <tr> <td style="padding: 2px;">Engineering Technologist Graduate Member, who in the year, has attained the age of 30</td> <td style="text-align: right; padding: 2px;">RM210.00</td> </tr> <tr> <td style="padding: 2px;">has not attained the age of 30</td> <td style="text-align: right; padding: 2px;">RM110.00</td> </tr> <tr> <td style="padding: 2px;">Engineering Technician Member</td> <td style="text-align: right; padding: 2px;">RM110.00</td> </tr> <tr> <td style="padding: 2px;">Engineering Technician Graduate Member, who in the year, has attained the age of 30</td> <td style="text-align: right; padding: 2px;">RM110.00</td> </tr> <tr> <td style="padding: 2px;">has not attained the age of 30</td> <td style="text-align: right; padding: 2px;">RM80.00</td> </tr> </table>	Engineering Technologist Member	RM210.00	Engineering Technologist Graduate Member, who in the year, has attained the age of 30	RM210.00	has not attained the age of 30	RM110.00	Engineering Technician Member	RM110.00	Engineering Technician Graduate Member, who in the year, has attained the age of 30	RM110.00	has not attained the age of 30	RM80.00
Engineering Technologist Member	RM210.00												
Engineering Technologist Graduate Member, who in the year, has attained the age of 30	RM210.00												
has not attained the age of 30	RM110.00												
Engineering Technician Member	RM110.00												
Engineering Technician Graduate Member, who in the year, has attained the age of 30	RM110.00												
has not attained the age of 30	RM80.00												
<p><u>Article 4.4 Economic Activities</u> The Institution is allowed to engage in economic activities such as sell, purchase, invest, rent, own movable or immovable assets as well as other economic activities such as setting up companies under Companies Act 2016.</p>	<p>The Institution is allowed to engage in economic activities such as sell, purchase, invest, rent, own movable or immovable assets as well as other economic activities such as setting up companies under Companies Act 2016, conduct or co-organise training activities as training provider, exhibitions, conferences etc.</p>												
<p><u>Article 5.1</u> The Members of the Council shall, subject to Article 5.2, be chosen from amongst Corporate Members of The Institution, and shall comprise :-</p> <p>(a) The President, (b) The Deputy President, (c) The Immediate Past President, (d) All Past Presidents who are invited by the Council and have expressed their willingness to serve, (e) The Vice Presidents of whom there shall be not less than two (2) nor more than ten (10), as prescribed in the Bylaws, (f) The Honorary Secretary, (g) The Honorary Treasurer, (h) Ordinary Council Members of whom there shall be not less than twenty (20) nor more than fifty (50), as prescribed in the Bylaws, (i) One (1) representative from each Branch of The Institution. (j) Not more than three (3) Corporate Members appointed by the Council on the nomination of the President for a term of one (1) session. An appointed member may be re-appointed, but shall not serve in this capacity for more than two (2) consecutive sessions. (k) Five (5) Companion or Graduate Members, as prescribed in the Bylaws, (l) One (1) woman Member as prescribed in the Bylaws.</p>	<p>The Members of the Council shall, subject to Article 5.2, be chosen from amongst Corporate Members of The Institution, and shall comprise :-</p> <p>(a) The President, (b) The Deputy President, (c) The Immediate Past President, (d) All Past Presidents who are invited by the Council and have expressed their willingness to serve, (e) The Vice Presidents of whom there shall be not less than two (2) nor more than ten (10), as prescribed in the Bylaws, (f) The Honorary Secretary, (g) The Honorary Treasurer, (h) Ordinary Council Members of whom there shall be not less than twenty (20) nor more than fifty (50), as prescribed in the Bylaws, (i) One (1) representative from each Branch of The Institution. (j) Not more than three (3) Corporate Members appointed by the Council on the nomination of the President for a term of one (1) session. An appointed member may be re-appointed, but shall not serve in this capacity for more than two (2) consecutive sessions. (k) Five (5) Companion Senior Graduate Members or Graduate Members, as prescribed in the Bylaws, (l) One (1) woman Member as prescribed in the Bylaws, (m) One (1) Engineering Technologist Member, as prescribed in the Bylaws, (n) One (1) Engineering Technician Member, as prescribed in the Bylaws.</p>												



<p><u>Article 5.2</u> (b) A Vice President shall hold office for a term of two (2) sessions and may be re-elected but may not hold office for more than two (2) consecutive terms. (b) (a) The Honorary Secretary and Honorary Treasurer shall hold office for a term of one (1) session. They may be re-elected, but may not hold office for more than two (2) consecutive terms.</p>	<p>(b) A Vice President shall hold office for a term of two (2) sessions and may be re-elected but may not hold office for more than two (2) consecutive terms. (b) (a) The Honorary Secretary and Honorary Treasurer shall hold office for a term of one (1) session. They may be re-elected, but may not hold office for more than two (2) consecutive terms. (e) (b) A Council Member shall hold office.... (c) The Chairman of each Branch of the Institution.... (d) (Note – spacing and alignment)</p>
<p><u>Article 5.4</u> The Vice Presidents, the Honorary Secretary and the Honorary Treasurer and Council Members except those under Article 5.1 (k) and 5.1(l), shall be elected from amongst the Corporate Members by secret ballot in the manner as prescribed in this Constitution and the Bylaws and Regulations made thereunder. The Members of the Council under Article 5.1 (k) and 5.1(l), shall be appointed in the manner as prescribed in the Bylaws.</p>	<p>The Vice Presidents, the Honorary Secretary and the Honorary Treasurer and Council Members except those under Article 5.1 (k), and 5.1(l), 5.1(m) and 5.1(n), shall be elected from amongst the Corporate Members by secret ballot in the manner as prescribed in this Constitution and the Bylaws and Regulations made thereunder. The Members of the Council under Article 5.1 (k), and 5.1(l), 5.1(m) and 5.1(n), shall be appointed in the manner as prescribed in the Bylaws.</p>
<p><u>Article 5.7</u> Deputy President: The Deputy President shall be elected by the Council from amongst the Corporate Members of the Council.</p>	<p>The Deputy President shall be elected by only the Corporate Members of the Council from amongst the Corporate Members of the Council who are or had served as Vice President.</p>
<p><u>Article 5.11</u></p>	<p><u>To insert a new paragraph after the first paragraph</u> For the purpose of this Article, “Officer” means a member of the Council or Executive Committee or the Standing Committee.</p>
<p><u>Article 5.14</u> Branch Committee (i) The Committee of a Branch shall comprise of: (a) The Chairman (b) Two (2) Vice Chairmen (c) The Honorary Secretary (d) The Honorary Treasurer (e) The Immediate Past Chairman (f) Not less than Four (4) and not more than eight (8) Ordinary Committee Members (g) One (1) Representative of the Graduate and Student Section of the Branch (h) One (1) Companion or Graduate Member appointed by the Branch Committee</p>	<p>Branch Committee (i) The Committee of a Branch shall comprise of: (a) The Chairman (b) Two (2) Vice Chairmen (c) The Honorary Secretary (d) The Honorary Treasurer (e) The Immediate Past Chairman (f) Not less than Four (4) and not more than eight (8) Ordinary Committee Members (g) One (1) Representative of the Graduate and Student Section of the Branch (h) One (1) Companion Senior Graduate Member or Graduate Member appointed by the Branch Committee (i) One (1) Engineering Technologist Member appointed by the Branch Committee (j) One (1) Engineering Technician Member appointed by the Branch Committee</p>
ARTICLE X INTERPRETATION	
<p><u>Article 10.9</u> “Non-corporate Members” means Distinguished Honorary Fellows, Honorary Fellows and Honorary Members who are not engineers and Graduate Members, Companions, Incorporated Members, Affiliate Members, Associate Members or Student Members.</p>	<p>“Non-corporate Members” means Distinguished Honorary Fellows, Honorary Fellows and Honorary Members who are not engineers and Graduate Members, Companions Senior Graduate Member, Engineering Technologist Member, Engineering Technologist Graduate Member, Engineering Technician Member, Engineering Technician Graduate Member, Incorporated Members, Affiliate Members, Associate Members or Student Members.</p>

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Timbalan Yang Dipertua

Ir. Ong Ching Loon

Naib Yang Dipertua

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Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ir. Ellias bin Saidin

YBhg. Dato' Ir. Ahmad Murad bin Omar

Ir. Dr. Tan Chee Fai

Ir. Mohd. Aman bin Hj. Idris

Ir. Dr. Wang Hong Kok



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Setiausaha Kehormat

Ir. Mohd Khir bin Muhammad

Bendahari Kehormat

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Ahli-Ahli

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Ir. Fam Yew Hin

Ir. Dr. Ng Soon Ching

Ir. Dr. David Chuah Joon Huang

Ir. Dr. Leong Wai Yie

Ir. Yau Chau Fong

Ir. Yam Teong Sian

Ir. Lai Sze Ching

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Setiausaha Kehormat

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Bendahari Kehormat

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LEMBAGA TABUNG BENEVOLENT

Tidak dilantik (No appointment)

BOARD OF MANAGEMENT - IEM BENEVOLENT FUND

Ex-Officio

Timbalan Yang Dipertua, IEM

Pengerusi, Jawantakuasa Tetap Kebajikan dan Hal Ehwal
Perkhidmatan

Setiausaha Kehormat, IEM

Bendahari Kehormat, IEM

JURUAUDIT LUAR DAN JURUAUDIT DALAM KEHORMAT

Juruaudit Luar

PKF Malaysia

EXTERNAL AUDITORS AND HONORARY INTERNAL AUDITORS

Juruaudit Dalam Kehormat

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Ir. Tiong Ngo Pu



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Ir. Yap Lee Chor
Ir. Tiong Ngo Pu
Ir. Ng Yong Kong
Ir. Teh Piaw Ng
Ir. Yam Teong Sian
Ir. Dr. Aidil Chee Tahir
Ir. Gunasagaran a/l Kristnan
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Ir. Li Thang Fai
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Ir. Lim Kim Ten
Ir. Abdul Razak bin Yakob
Ir. K. Sundaraj a/l Krishnasamy
Ir. Dr. Lai Khin Wee
Ir. Dr. Lee Tin Sin
Ir. Dr. Aidil bin Chee Tahir
Ir. Dr. Mui Kai Yin
Ir. Ng Beng Hooi
Ir. Prof. Dr. Ruslan bin Hassan
Ir. Toh Chin Kok
Ir. Yam Teong Sian
Ir. Yim Hon Wa
Ir. Yap Soon Hoe (*resigned*)
Mr. Tan Teck Ying Grad. IEM (*Wakil YES*)

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Setiausaha

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Ex-Officio

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Ir. Ng Yong Kong
Ir. Dr. Mui Kai Yin
Ir. Sundraraj a/l A. Krishnasamy
Ir. Gunasagaran a/l Kristnan
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Ir. Dr. Jayaseelan Nadarajah
Ir. Chen Harn Shean
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Ir. Dr Tan Chee Fai
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Ir. Vincent Chen Kim Kieong
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(*Standing Committee on Professional Practice*)

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Ahli-Ahli

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Ir. Ng Yong Kong
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 Ir. Frankie Cheah Peng Leong
 (*Wakil Terowong dan Ruang Bawah Tanah*)
 Ir. M. Ravindra (*Wakil Jurutera Perunding*)
 Dr. Yew Weng Kean Grad. IEM (*Wakil YES*)
 Ir. Assoc. Prof. Dr. Khoo Hooi Ling
 (*Wakil Lebuhraya dan Pengangkutan*)
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 Ir. Syed Neguib bin Syed Mohamed (*Wakil Mekanik*)
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 Ir. Roznan bin Abdul Rashid
 Ir. Yap Lee Chor
 Mr Kuugan a/l Thangarajoo (*Wakil YES*)

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 Ir. Syed Neguib bin Syed Mohamed
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 Sdri. Lew Tse Hwei (*Wakil YES*)

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Setiausaha

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Pengarang Buletin

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 Ir. Dr. Bhuvendhraa Rudrusamy (*w e f January 2020*)

Pengarang Jurnal

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Pengerusi Laman Web

Ir. Yasothea Ramachandran Chetty

Pengerusi Perpustakaan

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 Ir. Hasril bin Hasini
 Mr. Muhd Ashiq Marecan bin Hamd Marecan (*Wakil YES*)



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Ir. Mah Siew Kien

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YBhg. Dato' Ir. Foong Choy Chye

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Ir. Hasrin bin Hashim

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(*Review Committee on IPEA/APEC Audit 2020*)

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(*IEM Accreditation Board*)

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YBhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik

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Kejuruteraan

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Pengerusi

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Peristiwa IEM
(Sub Committee on Documentation and Recording of
Historical IEM Events)

Pengerusi

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Jawatankuasa Kecil Hal Perpustakaan
(Sub Committee on Library Matters)

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Penganugerahan Tahunan 2019
(Sub Committee on IEM 60th Annual Dinner and Awards
Night 2019)

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Ir. Cheah Siew Wai
Ir. Chong Chew Fan
Mr. Cheok Hou Seng Grad. IEM
Mr. Yew Weng Kean Grad. IEM

AKTIVITI
Jawatankuasa Kecil "Pertandingan Golf 2019"
(Sub Committee on Golf Competition 2019)

Pengerusi

Ir. Fam Yew Hin

Ahli-Ahli

Ir. Gopal Narian Kutty
Ir. Noor Hisham Yahaya
Ir. Dr. Cheong Thiam Fook
Ir. Ong Hoo Teong
Ir. Loo Chee Kin
Ir. Syed Neguib bin Syed Mohamed
Ir. Dr. Aidil bin Chee Tahir



AMALAN PROFESIONAL

Lembaga Penasihat Kebakaran
(*The Fire Advisory Board on Fire Protection Services*)

Pengerusi

Ir. Thin Choon Chai

Timbalan Pengerusi

Ir. Chong Chew Fan

Setiausaha

Ir. Tan Chew

Penasihat

Ir. Wong See Foong

Ahli-Ahli

Ir. Lim Kim Ten
Ir. Leong Siew Meng
Ir. Vasan a/l Mariappan
Ir. Lim Kim Chuan, Daniel
Mr. Andy Goh Chia Liang
Ir. Yim Hon Wa
Ir. Dr. Hee Choi
Ir. Chong Pen Kwong
Ir. Chan Teck Wai, Alan
Ir. Selvakumar a/l Krishnan
Ir. Cha Hoong Kum (*Wakil Bahagian Bangunan*)
Ir. Gary Lim Eng Hwa (*Wakil Bahagian Bangunan*)
Ir. Loo Chee Kin (*Wakil Bahagian Mekanikal*)
Ir. Low Kai Wah (*Wakil Bahagian Sivil*)
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AMALAN PROFESIONAL

Lembaga Penasihat Pengurusan Bencana
(*Disaster Risk Reduction Advisory Board*)

Pengerusi

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Naib Pengerusi

YBhg. Dato' Ir. Nor Hisham bin Mohd. Ghazali

Setiausaha

Ir. Kim Kek Seong

Penasihat

YBhg. Dato' Paduka Ir. Prof Dr. Keizrul bin Abdullah

Ahli-Ahli

Ir. Prof. Datin. Hjh. Zainab binti Mohamed
Ir. Hjh. Raftah binti Mahfar
Dr. Wan Nurul Mardiah binti Wan Mohd Rani
YBhg. Dato' Ir. Lim Chow Hock
Ir. Gunasagaran a/l Kristnan
Mr. Steven Toh Chin Kok
Ir. Look Keman bin Hj. Sahari
Prof. Dr. Fakhru Razi bin Ahmadun
Ir. Kok Hee Poh
En. Azahari bin Md. Rejab Grad. IEM
Ir. Mohamad Asari bin Daud
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AMALAN PROFESIONAL

Jawatankuasa Kecil Wakil Luar Badan
(*Sub Committee on Representation to Outside Bodies*)

Pengerusi

Ir. Hj. Mohd. Radzi bin Mohd. Salleh

AMALAN PROFESIONAL

**Jawatankuasa Kecil bagi Perundangan yang Melibatkan
Profesion Kejuruteraan**
(*Sub Committee on Legislation Affecting Engineering
Profession*)

Pengerusi

Ir. Lai Sze Ching

AMALAN PROFESIONAL

**Jawatankuasa Kecil Undang –Undang Kecil Bangunan
Seragam**
(*Sub Committee on "Street, Drainage And Building Act 1974
(Act 133) and Uniform Building Bylaws (Revised) 1984*)

Pengerusi

Ir. Yasotha Ramachandran Chetty

AMALAN PROFESIONAL

Jawatankuasa Kecil Penulisan Standard
(*Sub Committee on Standards Writing*)

Pengerusi

Ir. Mohd Radzi bin Salleh

AMALAN PROFESIONAL

Jawatankuasa Kecil Kontrak-Kontrak Kejuruteraan
(*Sub Committee on Engineering Contracts*)

Pengerusi

Ir. Gunasagaran a/l Kristnan

Setiausaha

Ir. CMM Aboobucker

Penasihat

Ir. Wong See Foong

Ahli-Ahli

Ir. Hj. Shahul Ikram bin Hj. Adnan
Ir. Ho Kin Wing
Ir. Lim Eng Cheong
Ir. Chong Chew Fan
Ir. Assoc. Prof. Dr. Low Kaw Sai
Mr. Ang Seah Heng
Ir. Jeffrey Lee Sheu Tiong

AMALAN PROFESIONAL

**Jawatankuasa Kecil Perlantikan Penimbangtaraan/
Lembaga Penasihat ADR.**
(*Sub Committee on IEM Arbitrator Appointment/ ADR.
Advisory Board*)

Pengerusi

Ir. Ellias bin Saidin

AMALAN PROFESIONAL

Jawatankuasa Kecil Pengurusan Pemasalahan
(*Sub Committee on Dispute Resolution Practice*)

Pengerusi

Ir. Khoo Choong Keow

Ahli-Ahli

Ir. Dr. Ooi Teik Aun
Ir. Gong Ngie Dee
Ir. Shanmugaraj a/l CT Pillai
Ir. Leon Weng Seng
Ir. Zafrul bin Mahmood
Ir. Ho Kin Wing



AMALAN PROFESIONAL

Jawatankuasa Kecil Penilaian Aduan
(*Sub Committee on Screening of Complaints*)

Pengerusi

Ir. Khoo Choong Keow

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil “Minggu Kejuruteraan 2019”
(*Sub Committee on Engineering Week 2019*)

Pengerusi

Dr. Yew Weng Kean Grad. IEM

Ahli-Ahli

Ms. Tiang Kor Lin Grad. IEM
Mr. Tan Teck Ying Grad. IEM
Mr. Kuugan a/l Thangarajoo Grad. IEM
Mr. Muhammad Ashiq Marecan bin Hamid Marecan Grad. IEM
Mr. Wong Chuen Yan Grad. IEM
Mr. Ling Teck Ping Grad. IEM
Sdr. Darshan Balasubramaniam

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil Larian Jurutera IEM 2019
(*Sub Committee on IEM Engineers Run 2019*)

Pengerusi

Dr. Yew Weng Kean Grad. IEM

Ahli-Ahli

Ms. Tiang Kor Lin Grad. IEM
Mr. Tan Teck Ying Grad. IEM
Mr. Kuugan a/l Thangarajoo Grad. IEM
Mr. Muhammad Ashiq Marecan bin Hamid Marecan Grad. IEM
Mr. Wong Chuen Yan Grad. IEM
Mr. Ling Teck Ping Grad. IEM
Mr. Lim Yiren Grad. IEM
Ms. Cheng Li Min Grad. IEM
Ms. Lee Sim Yee Grad. IEM
Sdr. Darshan Balasubramaniam

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil “Minggu Kejuruteraan 2020”
(*Sub Committee on Engineering Week 2020*)

Pengerusi

Dr. Yew Weng Kean Grad. IEM

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil Pertandingan STEM 2019
(*Sub Committee on STEM Competition 2019*)

Pengerusi

Mr. Tan Teck Ying Grad. IEM

Ahli-Ahli

Dr. Yew Weng Kean Grad. IEM
Ms. Tiang Kor Lin Grad. IEM
Mr. Kuugan a/l Thangarajoo Grad. IEM
Mr. Muhammad Ashiq Marecan bin Hamid Marecan Grad. IEM
Mr. Ling Teck Ping Grad. IEM
Ms. Jacquelyne Anne Boudeville
Mr. Aaron Mok Ji Yiong Grad. IEM
Ms. Cheng Li Min Grad. IEM
Sdr. Darshan Balasubramaniam

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil “Hari Keluarga IEM 2019”
(*Sub Committee on IEM Family Day 2019*)

Pengerusi

Ir. Vivekasugha Alif bin Gunaanlan

Ahli-Ahli

Ir. Siew Yaw Jen (*Advisor*)
Ir. Mah Way Sheng (*Advisor*)
Ir. Samantha Lau Zhiling
Ir. Vasan Mariappan
Ir. Khor Hock Keat
Ir. Gunasagaran a/l Kristnan
Ir. Lee Cheng Pay
Mr. Kuugan Thangrajoo Grad. IEM
Mr. Naveen Kumar a/l Apparoo Grad. IEM
Sdr. Darshan a/l Balasubramaniam

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil Faedah Perkhidmatan (Skim Insurans)

(*Sub Committee on Service Benefits*)
(*Insurance Scheme*)

Pengerusi

Ir. Sukhairul Nizam bin Abdul Razak

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil “Pengurusan Dana Kebajikan”
(*Sub Committee on Benevolent Fund Management*)

Pengerusi

YBhg. Dato’ Ir. Noor Azmi bin Jaafar

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil “Tinjauan Pekerjaan”
(*Sub Committee on Employment Survey*)

Pengerusi

Ir. Dr. Tan Chee Fai

Ahli-Ahli

Ir. Sukhairul Nizam bin Abdul Razak
Dr. Yew Weng Kean Grad. IEM
Dr. Yong Chen Chen
Sdri. Lew Tse Hwei

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil Kelab Berbasikal IEM
(*Sub Committee on IEM Cycling Club*)

Pengerusi

Ir. Awangku Hidup bin Awangku Hosain

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Kecil Skim “Jurutera Wargamas”
(*Sub Committee on “Jurutera Wargamas Scheme*)

Pengerusi

YBhg. Dato’ Ir. Noor Azmi bin Jaafar

KEBAJIKAN DAN PERKHIDMATAN

Jawatankuasa Khas “Kelab Perniagaan IEM”
(*Special Committee on IEM Business Club*)

Pengerusi

Ir. P. Jaya Chandar



HAL HAL KORPORAT/CORPORATE AFFAIRS
Jawatankuasa Kecil Perhubungan Awam
(*Sub-committee on Public Relations*)

Wakil

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

HAL HAL KORPORAT/CORPORATE AFFAIRS
Jawatankuasa Kecil Kajian MOU/MOA
(*Sub-committee on MOU/MOA review*)

Wakil

Ir. Hj. Mohamed Ali bin Yusof
Ir. Chong Chew Fan

HAL HAL KORPORAT/CORPORATE AFFAIRS
Jawatankuasa Kecil Pemantauan MOU/MOA
(*Sub-committee on MOU/MOA monitoring*)

Wakil

Ir. Yam Teong Sian

HAL HAL KORPORAT/CORPORATE AFFAIRS
Jawatankuasa Kecil Kenyataan Akhbar
(*Sub-committee on Press Statements*)

IEM Media Task Force: Honorary Secretary

HAL HAL KORPORAT/CORPORATE AFFAIRS
Jawatankuasa Kecil Pengantarabangsaan Mobiliti
Jurutera
(*Sub-committee on Internationalism of Engineers' Mobility*)

Wakil

Ir. Chong Chew Fan

HAL HAL KORPORAT/CORPORATE AFFAIRS
Jawatankuasa Pengawasan dan Ko-ordinasi Hal-Hal
AFEO
(*IEM – AFEO Local Co-ordinating Committee*)

Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ahli-Ahli

Ir. Mohd Aman bin Idris
Ir. Mohd Khir bin Muhammad
Ir. Chen Harn Shean
Ir. Tuan Hj. Mohamed Ali bin Yusoff
Ir. Yau Chau Fong
Ir. Dr. Lee Yun Fook
Ir. David Lai Kong Phooi
Ir. Ong Ching Loon

HAL HAL KORPORAT/CORPORATE AFFAIRS
Jawatankuasa AFEO Pengurusan Urusetia
(*AFEO Secretariat Management Committee*)

Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ahli-Ahli

Ir. Mohd Khir bin Muhammad
Ir. Chen Harn Shean

HAL HAL KORPORAT/CORPORATE AFFAIRS
Wakil Penghubung IEM untuk Pengawasan Nasional
APEC
(*IEM Contact Point for APEC National Monitoring Committee*)

Wakil

YBhg. Dato' Ir. Dr Gue See Sew
Ir. Mohd Khir bin Muhammad

HAL HAL KORPORAT/CORPORATE AFFAIRS
Wakil Pemerhati IEM untuk Jawatankuasa Pengawasan
Nasional APEC
(*IEM Reviewers for APEC National Monitoring Committee*)

Wakil Industri

Pengerusi
Ir. Chen Harn Shean

Naib Pengerusi

Ir. Hoo Choon Sean

Ahli-Ahli

Ir. Low Kai Wah
Ir. Benny Lau Eng Kee
Ir. Tiong Choong Han
Ir. Dr. Bhuvendhraa Rudrusamy
Ir. Dr. Tan Chee Fai
Ir. Mohd Azha bin Abu Samah
Ms. Ong Shiou Ting Grad. IEM

HAL HAL KORPORAT/CORPORATE AFFAIRS
Wakil Pemerhati IEM di IEA
(*IEM Reviewer to IEA*)

Wakil Industri

Ir. Lee Boon Chong
Ir. Chen Harn Shean

HAL HAL KORPORAT/CORPORATE AFFAIRS
IEM-WFEO/CEC Local Co-ordinating Committee
JawatankuasaTempatanPengawasan dan Ko-ordinasi
Hal-Ehwal WFEO dan CEC
(*IEM-WFEO/CEC Local Co-ordinating Committee*)

Pengerusi

Ir. David Lai Kong Phooi

Ahli-Ahli

Ir. Mohd Khir bin Muhammad
Ir. Ong Ching Loon

HAL HAL KORPORAT/CORPORATE AFFAIRS
Wakil Luar Negeri / Overseas Representation
Wakil IEM ke WFEO/CEC
(*IEM representation on WFEO/CEC*)

Yang Dipertua sebagai Wakil IEM

Ir. David Lai Kong Phooi

Setiausaha Kehormat Wakil IEM

Ir. Mohd Khir bin Muhammad

Wakil IEM Pengganti

Ir. Ong Ching Loon

Wakil IEM di APCCHE

(*IEM Overseas Representative in APCCHE*)
Ir. Prof. Dr. Dominic Foo Chwan Yee



Bekas Yang Dipertua FEIAP

YBhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik

Setiausaha Agung FEIAP

Ir. Dr. Tan Yean Chin

Wakil IEM

Ir. David Lai Kong Phooi
Ir. Mohd Khir bin Muhammad

HAL HAL KORPORAT/CORPORATE AFFAIRS

Wakil Luar Negeri / Overseas Representation

Wakil IEM Ke AFEO

(IEM representation on AFEO)

Wakil IEM

Ir. David Lai Kong Phooi *(Yang Di pertua)*
Ir. Mohd Khir bin Muhammad *(Setiausaha Kehormat)*
Ir. Ong Ching Loon *(Wakil Pengganti Yang Dipertua)*

Wakil IEM di Jawatan AFEO

Ir. Prof. Dr. Jeffrey Chiang Choong Luin
(Setiausaha Agung AFEO)
Ir. Mohd Khir bin Muhammad *(Bendahari Kehormat AFEO)*
Ir. Mohd Aman bin Idris *(Ketua Suruhanjaya Pendaftaran AER)*
YBhg. Dato' Ir. Lim Chow Hock *(Penasihat AFEO)*

Wakil IEM di Jawatan YEAFEO

Dr. Yew Weng Kean Grad. IEM *(Setiausaha Agung YEAFEO)*
Ms. Tiang Kor Lin

HAL HAL KORPORAT/CORPORATE AFFAIRS

Jawatankuasa Pendaftaran Jurutera ASEAN

(ASEAN Engineers Register Executive Committee)

Pengerusi

YBhg. Dato' Ir. Dr. Andy Seo Kian Haw

Ex- Officio

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Setiausaha

Ir. Yau Chau Fong
Bendahari
Ir. Hj. Mohamed Ali bin Yusoff

Ahli-Ahli

Ir. Mohd Aman bin Idris *(Wakil Pendaftar Malaysia)*
Ir. Dr. Lee Yun Fook *(Wakil Pengganti Pendaftar Malaysia)*
Ir. Ooi Kah Huat
Ir. Ishak bin Abdul Rahman
Ir. Yam Teong Sian
Ir. Dr. Leong Wai Yie
Dr. Ong Chong Yong
Mr. Alex Looi Tink Huey Grad. IEM
Ir. Mah Siew Kien *(Wakil Bahagian Wanita IEM)*
until 25.7.2019
Ir. Rusnida binti Talib *(Wakil Bahagian Wanita IEM)*
w.e.f. 26.7.2019
Ir. Tung Chee Kuan *(Wakil TAM)*
Dr. Yew Weng Kean Grad. IEM *(Wakil S/S)*
Ms. Tiang Kor Lin Grad. IEM *(Wakil S/S)*

HAL HAL KORPORAT/CORPORATE AFFAIRS

Jawatankuasa Pengawalan Pendaftaran Nasional

Jurutera ASEAN

(ASEAN Engineers Register National Monitoring Committee)

Pengerusi

Ir. Mohd Aman bin Idris

Ahli-ahli

Ir. Emeritus Prof. Ishak bin Abdul Rahman
Ir. Hj. Mohamed Ali bin Yusoff
Ir. Mohd Khir bin Muhammad
Ir. Gunasagaran a/l Kristnan
Ir. Yim Hon Wa
Ir. Yau Chau Fong
Ir. Prof. Dr. Norlida binti Buniyamin *(Ex-Officio)*

HAL HAL KORPORAT/CORPORATE AFFAIRS

Jawatankuasa Tempatan Pengawasan dan Ko-ordinasi

FEIC

(IEM-FEIC Local Co-ordinating Committee)

Pengerusi

Ir. Mohd Aman bin Idris

Ahli-Ahli

Ir. Hj Mohamed Ali bin Yusoff
Ir. Ellias bin Saidin
Ir. Mohd Khir bin Mohammad
Ir. Prof. Megat Johari Megat Mohd Nor
YBhg. Dato' Lt. Gen (B) Ir. Ismail bin Samion
Ir. Roznan bin Abdul Rashid
Ir. Prof. Dr. Ruslan bin Hassan

HAL HAL KORPORAT/CORPORATE AFFAIRS

Wakil Luar Negeri/Overseas Representation

Wakil IEM ke FEIC

(IEM representation on FEIC)

Wakil IEM

Ir. Mohd Aman bin Idris
Ir. Prof Dr Ruslan bin Hassan
Ir. Mohd Khir bin Muhammad

HAL HAL KORPORAT/CORPORATE AFFAIRS

Jawatankuasa Pendaftaran bagi APEC/Jurutera

Profesional Antarabangsa

(APEC/IPE Registration and Administration Committee)

Pengerusi

YBhg. Dato' Ir. Dr. Gue See Sew

Ahli-Ahli

Ir. Lee Boon Chong
Ir. Yau Chau Fong
Ir. Ang Choong Hug
Ir. Dr. Bhuvendhraa Rudrusamy
Ir. Cheong Chee Kwong
Ir. Prof. Dr. Norlida binti Buniyamin
Ir. Dr. David Lai Kong Phooi
Ir. Ong Ching Loon
Ir. Yam Teong Sian
Ir. Fam Yew Hin
Ir. Chen Harn Shean
Mr. Alex Looi Tink Huey Grad. IEM
Ir. Dr. Lee Yun Fook
YBhg. Datuk Ir. Mohd Adnan bin Mohd Nor *(Wakil ACEM)*
YBhg. Dato' Ir. Prof. Dr. Hassan bin Basri *(Wakil BEM)*
Ir. Hizamul-din bin Ab. Rahman *(Alt)*



JAWATANKUASA ADHOC

Wakil IEM ke Lembaga Jurutera Malaysia

(IEM Representatives on the Board of Engineers Malaysia)

Wakil

Ir. David Lai Kong Phooi
Ir. Lai Sze Ching
Ir. Ishak bin Abdul Rahman
Ir. Dr. Ahmad Anuar bin Othman
Ir. Fam Yew Hin

JAWATANKUASA ADHOC

Jawatankuasa Penganugerahan IEM

(IEM Awards Committee)

Pengerusi

Ir. Dr. Tan Yean Chin

Ahli-Ahli

Ir. Dr. Tan Yean Chin
Ir. David Lai Kong Phooi
Ir. Lai Sze Ching
Ir. Lee Boon Chong
Ir. Prof. Dr. Jeffrey Chiang Choong Luin
Ir. Prof. Dr. Ruslan bin Hassan
Ir. Prof. Dr. Norlida binti Bunyamin
Ir. Ong Ching Loon
Ir. Ellias bin Saidin
Ir. Yap Soon Hoe
Ir. Dr. Wang Hong Kok

JAWATANKUASA KHAS

Jawatankuasa Pindaan Perlembagaan dan Undang-Undang Kecil IEM

(Special Committee on Amendments to the IEM Constitution and Bylaws)

Pengerusi

Ir. Lai Sze Ching



BAHAGIAN TEKNIK KEJURUTERAAN GEOTEKNIK

(Geotechnical Engineering Technical Division)

Pengerusi

Ir. Sin Peng Tean

Timbalan Pengerusi

Ir. Dr Chan Swee Huat

Setiausaha / Bendahari

Ir. Dr. Gue Chang Shin

Penasihat

Ir. Lee Peir Tien

Ahli-Ahli

Ir. Yee Thien Seng

Ir. Dr. Ooi Teik Aun

Ir. Kenny Yee Kwong Sing

Dr. Boon Chia Weng Grad. IEM

Dr. Ng Soon Min Grad. IEM

Mr. Loh Wooi Chuan Grad. IEM

Ir. Balakrishnan s/o EttyGauder *(Co-opted)*

Ir. Mak Wai Kin *(Co-opted)*

Ir. Dr. Mohd Farid bin Hj. Ahmad @ Majid *(Co-opted)*

Mr. Richard Ong Tiam Hwa, Grad. IEM *(Co-opted)*

Ir. Allan Chwee Yew Lun *(Co-opted)*

BAHAGIAN TEKNIK KEJURUTERAAN ELEKTRIK

(Electrical Engineering Technical Division)

Pengerusi

Ir. Francis Xavier Jacob

Timbalan Pengerusi

Ir. Lee Cheng Pay

Setiausaha / Bendahari

Ir. Dr Siow Chun Lim

Penasihat

Ir. Chong Chew Fan

Ahli-Ahli

Alex Looi Tink Huey

Ir. Amir Hussein Bin Jaafar

Ir. Tejinder Singh

Ir. Ng Win Siau

Mr. Low Pek Jun Grad. IEM

Ms. Cynthia Choo Yern Syn Grad. IEM

Ir. Roger Wong Chin Weng *(Co-opted)*

Dr. Lau Chee Yong Grad. IEM *(Co-opted)*

Ir. Shamila Ariaratnam *(Co-opted)*

Ir. Gan Tian Eng *(Co-opted)*

Tay Eng Chong Grad. IEM *(Co-opted)*

BAHAGIAN TEKNIK KEJURUTERAAN KIMIA

(Chemical Engineering Technical Division)

Pengerusi

Ir. Dr. Chong Chien Hwa

Timbalan Pengerusi

Ir. Lee Teck Lii

Setiausaha / Bendahari

Ir. Chew Gim Cheng

Penasihat

Ir. Dr. Lee Tin Sin

Ahli-Ahli

Ir. Prof. Dr. Dominic Foo Chwan Yee

Ir. Prof. Dr. Tee Tiam Ting

Ir. Thayananthan Balakrishnan

Ms. Eunice Phang Siew Wei

Dr. Noor Yusmiza Yusoff

Dr. Hazlina Husin

Dr. Teow Yeit Haan *(Co-opted)*

Mr. Vincent Khaw Wei Chuen *(Co-opted)*

Dr. Ang Wei Lun *(Co-opted)*

Ir. Prof. Dr. Thomas Choong Shean Yaw *(Co-opted)*

Mr. Ho Kah Chun Grad. IEM *(Co-opted)*

Mr. Mohamad Anwar Ahmad *(Observer)*

Ms. Lim May Teng *(Observer)*

BAHAGIAN TEKNIK KEJURUTERAAN PERTANIAN DAN MAKANAN

(Agricultural and Food Engineering Technical Division)

Pengerusi

Ir. Vasan Mariappan

Timbalan Pengerusi

Ir. Hor Kok Luen

Setiausaha / Bendahari

Ir. Dr. Chew Chong Key

Penasihat

Ir. Yong Hong Liang

Ahli-Ahli

Ir. Wendy Ooi Mong Lee

Ir. Ooi Ho Seng

Ir. Goh Su Kin

Ir. Ayob bin Sukra

Ir. Surayya binti Ahmad Sofian

Ir. Mohd Fazly bin Mail

Ir. Eddie Cheah Chee Kian *(Co-opted)*

En. Mohd Shafiq bin Idris *(Co-opted)*

Assoc. Prof. Dr. Yus Aniza binti Yusof *(Co-opted)*

BAHAGIAN TEKNIK KEJURUTERAAN SUMBER AIR

(Water Resources Technical Division)

Pengerusi

YBhg. Dato' Ir. Hj Mohd. Azmi bin Ismail

Timbalan Pengerusi

Ir. C. Kamalesen a/l Chandrasekaran

Setiausaha / Bendahari

Ir. Low Sheue Lih (Shirley)

Penasihat

Ir. Dr. Wong Wai Sam

Ahli-Ahli

YBhg. Dato' Ir. Haji Hanapi bin Mohamad Noor

YBhg. Dato' Kapt. (B) Ir. Hj. Anuar Bin Hj. Yahya

Ir. Dr. Tony Chan Tuck Leong

Ir. Dr. Safari M. Desa

Ir. John Lim Chee Kiang

Ir. Hidayah binti Basri

Ir. Ellias bin Saidin *(Co-opted)*

Assoc. Prof. Ir. Dr. Lariyah Binti Mohd Sidek *(Co-opted)*

Ir. Sazali Bin Osman *(Co-opted)*

Yuhainis Kamardin *(Co-opted)*

Ir. Noor Aishah Binti Zaharin *(Co-opted)*

Dr. Lau Kok-Tsen, James Grad. IEM *(Co-opted)*



BAHAGIAN TEKNIK KEJURUTERAAN ELETRONIK
(*Electronic Engineering Technical Division*)

Pengerusi

Ir. Dr. Khor Jeen Ghee

Timbalan Pengerusi

Ir. Dr. Lee Choo Yong

Setiausaha / Bendahari

Ir. Dr. Mui Kai Yin

Penasihat

Ir. Bhuvendhraa Rudrusamy

Ahli-Ahli

Ir. Lim Kee Weng, Bernard
Dr. Huzein Fahmi Bin Hawari
Mr. Lau Heng Kar Grad. IEM
Dr. Leow Cheah Wei Grad. IEM
Mr. Sivaraman a/l Rukumangatharajah Grad. IEM
Dr. Yeap Gik Hong Grad. IEM
Dr. Ooi Beng Lee Grad. IEM
Ir. Wong Jian Choon
Dr. John Tan Teng Hwang (*Co-opted*)
Azwati Binti Azmin Grad. IEM (*Co-opted*)

BAHAGIAN TEKNIK KEJURUTERAAN MEKANIKAL
(*Mechanical Engineering Technical Division*)

Pengerusi

Ir. Syed Neguib bin Syed Mohamed

Timbalan Pengerusi

Ir. Dr. Aidil bin Chee Tahir

Setiausaha / Bendahari

Ir. Dr. Alvin Yap Chee Wei

Penasihat

Ir. Loo Chee Kin

Ahli-Ahli

Ir. Hasril Bin Hasini
Ir. Soh Wee Chong
Ir. Dr. Harris bin Abd Rahman Sabri
Dr. Sara Lee Kit Yee Grad. IEM
Mr. Ricky Liew Chee Leong Grad. IEM
Dr. Lim Chin Seong Grad. IEM
Mr. Nor Azilan b. Jaafar Grad. IEM (*Co-opted*)
Mr. Ramesh Sabapathy (*Co-opted*)
Ir. Luk Chau Beng (*Co-opted*)
Mr. Raghbir Fasih Azmi Grad. IEM (*Co-opted*)
Ir. Tajul Ariffin Bin Mohamed Nori (*Co-opted*)
Ir. Ding Ju Liang

BAHAGIAN TEKNIK KEJURUTERAAN AWAM DAN STRUKTUR
(*Civil and Structural Engineering Technical Division*)

Pengerusi

Ir. Chong Chee Meng

Timbalan Pengerusi

Ir. Low Kai Wah

Setiausaha / Bendahari

Ir. Lo Seng Ling

Penasihat

Ir. Dr. Ng Soon Ching

Ahli-Ahli

Ms. Wong Ai Ming Grad. IEM

Ir. Yasotha Chetty Ramachandran
Ir. Jimmy Wan Yoon Hin
Ir. Dr. Kwong Kok Zee
Dr. Lee Sim Yee Grad. IEM
Mr. Yong Zi Lip Grad. IEM
Dr. Sudharshan Naidu Raman Grad. IEM (*Co-opted*)
Ir. Hooi Wing Chuen (*Co-opted*)
Ir. David Ng Shiu Yuen (*Co-opted*)
Ir. Prof. Dr. Mohd Zamin bin Jumaat (*Co-opted*)
Ir. Ng Beng Hooi (*Co-opted*)
Mr. Hew Choon Sheng Grad. IEM (*Observer*)

BAHAGIAN TEKNIK KEJURUTERAAN KHIDMAT BANGUNAN
(*Building Services Technical Division*)

Pengerusi

Ir. Yap Chee Hong

Timbalan Pengerusi

Ir. Cha Hoong Kum

Setiausaha / Bendahari

Ir. Sofia Johari

Penasihat

Ir. Wong Win Heng

Ahli-Ahli

Ir. Leong Hon Wah
Ir. Al-Khairi Mohd Daud
Ir. Thevarajan G. Shanmugan
Ms Irin Kang Grad. IEM
Ir. Yong Gee Suan
Ir. Loo Wen Siang
Ir. Tan Chew (*Co-opted*)
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Ir. Gary Lim Eng Hwa (*Co-opted*)
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Mr. Poh Kai Sin (*Co-opted*)
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Timbalan Pengerusi

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Timbalan Pengerusi

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Timbalan Pengerusi

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Ir. Hor Kok Luen
Ir. Chee Shai Choon Grad. IEM
Dr. Hoh See Min Grad. IEM
Ir. Peter, Kwok Pin Yook
Ir. Pu Chuan Hsian, Daniel *(Co-opted)*
Ir. Francis Tze Chuan Chee *(Co-opted)*
Ir. Dr. Mohd Azlan Bin Abu *(Co-opted)*
Mr. Lai Hong Yi Grad. IEM *(Co-opted)*
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SENBINA KAPAL**

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Timbalan Pengerusi

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Ir. Ravindra Masilamoney

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Ir. Chin Jik Leong
Ir. Nee Chow Yit
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Ir. Subramaniam a/l K.S. Gopala Iyer *(Co-opted)*
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Ir. Kesavan Jaganathan *(Co-opted)*
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Naib Pengerusi (I)

Mr. Naveen Kumar Grad. IEM

Naib Pengerusi (II)

Mr. Kuugan Thangarajoo Grad. IEM

Setiausaha / Bendahari

Ms. Tiang Kor Lin Grad. IEM

Penasihat

Ir. Dr. Ng Soon Ching

Bekas Pengerusi Terakhir

Mr. Tan Zhi Howe Grad. IEM



Ahli-Ahli

Mr. Wong Chuen Yan Grad. IEM
 Mr. Lim Yiren Grad. IEM
 Mr. Tan Teck Ying Grad. IEM
 Ms. Tan Wen Jia Grad. IEM
 Mr. Muhd Ashiq Marecan Bin Hamid Marecan Grad. IEM
 Sdr. Lew Tse Hwei
 Mr. Teoh Hock Meng (*Co-opted*)
 Mr. Ling Teck Ping (*Co-opted*)
 Mr. Chooi Chee Yoong (*Co-opted*)
 Mr. Wong Shi Wei (*Co-opted*)
 Ms Denise Lim Hoon Hoon (*Co-opted*)
 Sdr. Darshan Balasubramaniam (*Co-opted*)
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Timbalan Pengerusi I

Ir. Noorfaizah Binti Hamzah

Timbalan Pengerusi II

Ir. Yap Wai Leng

Setiausaha

Ir. Sumathi a/p Subramaniam

Bendahari

Ir. Tan Loo Yen

Bekas Pengerusi

Ir. Mah Siew Kien

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 Dr. Zahiraniza bt Mustafa Grad. IEM
 Dr. Habibah Haron Grad. IEM
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 Ms. Lock Sow Mei, Irene Grad. IEM
 Ir. Rafidah binti Mohamed Radzi
 Ms. Michelle Lau Chui Chui Grad. IEM (*Observer*)
 Ms. Najiha binti Nadzru Grad. IEM (*Observer*)
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Timbalan Pengerusi

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Setiausaha

Ir. Yvonne Fernandez

Penasihat

Ir. Khor Hock Keat, Michael

Ahli-Ahli

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 Ir. Lee Sheu Tiong, Jeffrey (*Co-opted*)
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 (*Urban Engineering Development Special Interest Group*)

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Ir. Phillip Wong

Timbalan Pengerusi

Jagjeet Singh Sidhu a/l Charan Singh

Setiausaha

Ir. Ng Sean Lok

Penasihat

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 Ir. Tay Eng Chong
 Ir. Koh Wei Sang
 Mr. Kenny Chia Grad. IEM
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Ir. Tean Sze Nee

Ahli-Ahli

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 Ir. Rajendran a/l P. Anthony
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 Ir. Bernard Lim Kee Weng
 Ir. The Khian Beng
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Ir. Ting Chek Choon

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Ir. Chin Tet Fu @ Willy

Naib Pengerusi (II)

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Ir. Wong Yee Foong

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Bendahari Kehormat

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 Ir. Dr. Noorazizi Bin Mohd Samsuddin
 Ir. Azizi Bin Ahamad
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Bekas Pengerusi Terakhir

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Ir. Lim Su Hian

Bendahari Kehormat

Ir. William Ho Choon Kwang

Ahli-Ahli

Ir. Mohd. Afif bin Kasno
 Ir. Mohd Ariff nin A. Karim
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Bekas Pengerusi

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Naib Pengerusi (I)

Ir. Hj. Shahrom bin Man

Naib Pengerusi (II)

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Setiausaha Kehormat

Ir. Rosafizawati binti Suib

Bendahari Kehormat

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Ahli-Ahli

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Ir. Francis Xavier Jacob - *Elektrik*
Ir. Syed Neguib bin Syed Mohamed - *Mekanik*
Ir. Prof Dr Lee Tin Sin - *Kimia*
Ir. Dr Lee Yun Fook - *Awam*
Ir. Lim Kim Ten - *Elektrik*
Ir. Fam Yew Hin - *Mekanik*
Ir. Dr Chong Chien Hwa - *Kimia*
Ir. Rusnida binti Talib - *Bahagian Wanita*
Dr Yew Weng Kean - *Bahagian Siswa dan Siswaza*



JANUARY - DECEMBER 2019

STANDING COMMITTEE ON PROFESSIONAL PRACTICE

No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
1	ANQAS Certification Sdn. Bhd.					
	Dialogue / Meetings:	Impartiality Review Panel (IRP) 1/2019	Ir. Lai Sze Ching	1/1.	19/6/19	PPC
2	Balai ikhtisas Malaysia (BIM) / Malaysian Professional Centre					
	Dialogue / Meetings:	BOM Meeting (3) 2018/2019	<i>no representative</i>	0/1	28/5/19	CA
		The 46th Annual General Meeting 2018/2019	Ir. Yau Chau Fong Ir. Gunasagaran Kristnan	1/1. 1/1.	31/7/19	CA CA
3	Building Industry Presidents' Council (BIPC)					
	Dialogue / Meetings:	48th BIPC Meeting	Ir. David Lai Kong Phooi	1/1.	27/3/19	Excomm
		49th BIPC Meeting	Ir. David Lai Kong Phooi	1/1.	26/9/19	Excomm
4	Building Management Association of Malaysia (BMAM)					
	Dialogue / Meetings:	27th Meeting of The Executive Committee and 10th Annual General Meeting Of The Building Management Association Of Malaysia (BMAM)	Ir. Lee Weng Onn Ir. Yong Kee Chiang	0/1 1/1.	30/3/19	Excomm CA
		28th Meeting of The Executive Committee Of The Building Management Association Of Malaysia (BMAM)	Ir. Yam Teong Sian Ir. Yap Lee Chor	1/1. 0/1	23/7/19	CA CA
		29th Meeting of The Executive Committee Of The Building Management Association Of Malaysia (BMAM)	Ir. Yam Teong Sian Ir. Yong Kee Chiang	0/1 1/1.	3/12/19	CA CA
5	Construction Industry Development Board [CIDB] Malaysia					
	Dialogue / Meetings:	Jemputan Mesyuarat Penganjuran ICW 2019 Bil. 2/2019	Ir. Fam Yew Hin	1/1.	14/2/19	Excomm
		Mesyuarat Jawatankuasa Teknikal Bahan Binaan (JTBB) CIDB Bil. 1/2019	Ir. Jeffrey Lee Sheu Tiong	0/1	25/3/19	PPC
		Mesyuarat Jawatankuasa Teknikal Bahan Binaan (JTBB) CIDB Bil. 2/2019	Ir. Gunasagaran Kristnan	1/1.	23/9/19	PPC
		Jemputan Mesyuarat Jawatankuasa Teknikal CIDB Construction Law Report 2018-Edisi 2019 Bil. 1/2019	Ir. Lai Sze Ching	1/1.	13/5/19	PPC
		Mesyuarat Jawatankuasa Teknikal Pindaan Uniform Building by Law (UBBL) Bil. 3	Ir. Lai Sze Ching Ir. Gunasagaran Kristnan Ir. Yasotha Ramachandran Chetty	1/1. 1/1. 1/1.	29/5/19	PPC PPC PPC
		Jemputan Mesyuarat Jawatankuasa Kerja - Coffee Table Book Iconic Project 2020	Ir. Gunasagaran Kristnan	1/1.	9/10/19	PPC
		Sponsor Working Group (SWG CITP) on IBS Bil. 2/2019	Ir. Gunasagaran Kristnan	1/1.	28/11/19	PPC
6	Dewan Bandaraya Kuala Lumpur (DBKL)					
	Dialogue / Meetings:	Jemputan Menghadiri Sesi Pra-Rundingan Pelan Pembangunan (Pelan Stuktur Kuala Lumpur 2040 & Pelan Tempatan Kuala Lumpur 2040)	<i>no representative</i>	0/1	28/1/19	
		Jemputan Menghadiri Sesi Pra-Rundingan Pelan Pembangunan (Pelan Stuktur Kuala Lumpur 2040 & Pelan Tempatan Kuala Lumpur 2040)	Ir. Low Kai Wah	1/1.	27/2/19	CSETD
		Focus Group Discussion (FGD) Bersama Badan Professional Bil. 1/2019 - Perbincangan Proses Perubahan Pelan Tempatan Kuala Lumpur	Ir. Low Kai Wah	1/1.	13/5/19	CSETD



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
7	Department of Standards Malaysia (DSM)	Dialogue / Meetings:				
		TC on Energy Efficiency of Buildings (Passive) 1/2019	Ir. Francis Xavier Jacob	1/1.	30/1/19	EETD
		TC on Continuous Mill, Flat, Rolled Products (TC/P/2) Bil. 1/2019	Ir. David Ng Shiu Yuen	0/1	13/3/19	CSETD
		TC on Continuous Mill, Flat, Rolled Products (TC/P/2) Bil. 2/2019	Ir. David Ng Shiu Yuen	0/1	11/7/19	CSETD
		TC on Continuous Mill, Flat, Rolled Products (TC/P/2) Bil. 3/2019	Ir. David Ng Shiu Yuen	0/1	22/8/19	CSETD
		TC on Geotechnical Works (TC-D17) Bil. 01/2019	Ir. Balakrishnan s/o Ety Gaunder Ir. Mun Kwai Peng	1/1. 1/1.	20/3/19	GETD GETD
		Meeting of Working Group 5 NSC M on Portable Fire Extinguisher (WG/M/5-1) No. 1/2019	Ir. Cha Hoong Kum Ir. Gary Lim Eng Hwa Ir. Hee Choi	0/1 1/1. 1/1.	23/4/19	FAB FAB FAB
		Meeting of Working Group 5 NSC M on Portable Fire Extinguisher (WG/M/5-1) No. 2/2019	Ir. Cha Hoong Kum Ir. Gary Lim Eng Hwa Ir. Hee Choi	0/1 1/1. 0/1	26/6/19	FAB FAB FAB
		Meeting of Working Group 5 NSC M on Portable Fire Extinguisher (WG/M/5-1) No. 3/2019	Ir. Cha Hoong Kum Ir. Gary Lim Eng Hwa Ir. Hee Choi	1/1. 0/1 0/1	24/7/19	FAB FAB FAB
		Meeting of Working Group Healthcare & Hospital Lift No. 1/2019 (WG/R/3-6)	Ir. Lim Kim Ten Ir. Wong Win Heng	1/1. 0/1	3/5/19	METD METD
		Mesyuarat TC/W/1 di bawah NSC W Bil. 1/2019	Ir. Lai Ah Ying Ir. Dr. Cheong Thiam Fook	1/1. 0/1	25/7/19	METD METD
		Mesyuarat TC/W/3 di bawah NSC W Bil. 1/2019	Ir. Tan Chee Fai Ir. Nor Azilan bin Jaafar	1/1. 0/1	10/5/19	METD METD
		Mesyuarat TC/W/3 di bawah NSC W Bil. 2/2019	Ir. Tan Chee Fai Ir. Nor Azilan bin Jaafar	1/1. 0/1	17/7/19	METD METD
		Meeting of WG/E/7-5 Bil. 1/2019	Ir. Chong Chew Fan Ir. Lim Kim Ten	1/1. 0/1	29/5/19	EETD EETD
		Meeting of WG/E/7-5 Bil. 2/2019	Ir. Chong Chew Fan Ir. Lim Kim Ten	1/1. 0/1	26/6/19	EETD EETD
		Meeting of WG/E/7-5 Bil. 3/2019	Ir. Chong Chew Fan Ir. Lim Kim Ten	0/1 1/1.	5/8/19	EETD EETD
		Meeting of WG/E/7-5 Bil. 4/2019	Ir. Chong Chew Fan Ir. Lim Kim Ten	1/1. 0/1	29/8/19	EETD EETD
		Meeting of WG/E/7-5 Bil. 5/2019	Ir. Chong Chew Fan Ir. Lim Kim Ten	1/1. 0/1	26/9/19	EETD EETD
		Meeting of WG/E/7-5 Bil. 6/2019	Ir. Chong Chew Fan Ir. Lim Kim Ten	1/1. 0/1	29/10/19	EETD EETD
		Meeting of WG/E/7-5 Bil. 7/2019	Ir. Chong Chew Fan Ir. Lim Kim Ten	1/1. 0/1	27/11/19	EETD EETD
		Meeting of WG/D/9-6 on Code of Practice for Glass	Ir. Tan Chew	0/1	28/5/19	CSETD
		Meeting of TC/D/25 on Cement Bil. 1/2019	Ir. Hooi Wing Chuen	1/1.	16/7/19	CSETD
		Meeting of TC/D/25 on Cement Bil. 2/2019	Ir. Hooi Wing Chuen	1/1.	1/10/19	CSETD
		10th Annual General Meeting of MSPC	Ir. David Lai Kong Phooi Ir. Ellias Saidin Ir. Abdul Razak b. Yaakob	0/1 0/1 0/1	13/6/19	CA CA CA
		Meeting of TC/M/2 No. 1/2019	Ir. Yim Hon Wa	1/1.	17/7/19	FAB
		Meeting of TC/M/2 No. 2/2019	Ir. Yim Hon Wa Ir. Cha Hoong Kum Ir. Thin Choon Chai	0/1 1/1. 1/1.	14/11/19	FAB FAB FAB



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
		Meeting of WG/L/1-7 on Glazing Material Bil. 3/2019	Ir. Nor Azilan bin Jaafar	1/1.	4/7/19	METD
		Jemputan (NSC E, NSC S & Nominated Experts) IEC Training	Dato' Ir. Ibrahim b. Abu Bakar Ir. Yau Chau Fong	1/1. 0/1	24/7/19	EETD EETD
		Meeting of WG on Cold-Formed Steel Structure - Part 2 - WG/P/3-1 Bil. 1/2019	Ir. David Ng Shiu Yuen Ir. Tu Yong Eng	0/1 1/1.	31/7/19	EETD EETD
		Meeting of WG on Cold-Formed Steel Structure - Part 2 - WG/P/3-1 Bil. 2/2019	Ir. David Ng Shiu Yuen Ir. Tu Yong Eng	0/1 0/1	10-11/9/19	EETD EETD
		TC/M/3 No. 1/2019 On Wet Fire Protection System	Ir. Thin Choon Chai Ir. Selvakumar Ir. Alan Chan Teck Wai	1/1. 0/1 0/1	8/8/19	FAB FAB FAB
		Meeting of WG on Extremely Low Frequency for Electromagnetic Field - WG/E/6-1 Bil. 1/2019	Dr. Lim Chin Seong	1/1.	31/7/19	METD
		Meeting of TC/J/2 on Ballot - ISO/TC 138	Ir. Ung Ah Hock Ir. Leong Hon Wah	1/1. 0/1	20/8/19	BSTD BSTD
		Mesyyarat Majlis Standard Dan Akreditasi Malaysia (MSDAM) Bil. 1/2019	Ir. David Lai Kong Phooi	1/1.	11/7/19	Excomm
		Mesyyarat Majlis Standard Dan Akreditasi Malaysia (MSDAM) Bil. 2/2019	Ir. David Lai Kong Phooi	1/1.	12/12/19	Excomm
		Meeting on Aluminium and Aluminium Alloy (WG/P/9-2) Bil. 1/2019	Dr. Lim Chin Seong En. Nor Azilan Jaafar	1/1. 0/1	4/9/19	METD METD
		Meeting on Aluminium and Aluminium Alloy (WG/P/9-2) Bil. 2/2019	Dr. Lim Chin Seong En. Nor Azilan Jaafar	1/1. 0/1	30/10/19	METD METD
		Meeting of TC/M/6-1 On Fire Properties of Building Material	Ir. Tan Chew Ir. Loo Chee Kin	0/1 0/1	23/9/19	FAB FAB
		Meeting of WG/J/2-9 on Multi Layer Pipes 2/2019	Ir. Dr. Tan Chee Fai Ir. Abdul Azim b. Abdul Rahman	0/1 0/1	24/9/19	BSTD
		Meeting of Technical Committee on Pipeline Transportation (TC/H/7) Bil. 2/2019	Ir. Sylvia Presenna Samuel Inbaraj	0/1	3/10/19	CETD
		Meeting of Working Group on Repair and Rehabilitation of Pipeline (WG/H/7-6) Bil. 3/2019	Ir. Sylvia Presenna Samuel Inbaraj	0/1	17/10/19	CETD
		Meeting of Working Group on Repair and Rehabilitation of Pipeline (WG/H/7-6) Bil. 5/2019	Bilbao 4, Hotel Melia, Level M2, 16, Jalan Imbi, Bukit Bintang, 55100 Kuala Lumpur	0/1	12-13/12/19	CETD
		Meeting of NSC G on Sektor Teknologi Maklumat, Komunikasi dan Multimedia Bil. 1/2019	En. Abdul Fattah bin Mohamed Yatim	1/1.	25/10/19	EETD
		Meeting of NSC M on Fire Safety Bil. 1/2019	Ir. Thin Choon Chai Ir. Wong See Foong	1/1. 1/1.	21/11/19	FAB FAB
		Meeting of NSC P on Metallic Materials and Semi-Finished Products Bil. 1/2019	Ir. David Ng Shiu Yuen Ir. Lee Kee Bau	0/1 0/1	8/11/19	CSETD CSETD
		Meeting of TC on Electrical Installation, Protection and Insulation Practice (TC/E/14) Bil. 1/2019	Ir. Lim Kim Ten Ir. Yau Chau Fong	1/1. 0/1	4/11/19	EETD EETD
		Meeting of TC on Steel Bars, Wire Rods and Wire Products (TC/P/6) Bil. 6/2019	Ir. Chong Chee Meng Ir. Siow Yun Tong	0/1 0/1	18/11/19	CSETD CSETD
		Joint Committee Meeting of Working Group on Cold-Formed Steel Structure - Part 2 - (WG/P/3-1) dan (WG/D/22-3 Bil. 2/2019	Ir. David Ng Shiu Yuen	0/1	3-5/11/19	EETD
		Perbincangan Penganjuran Mesyyarat IEC/TC 64	Ir. Yau Chau Fong Ir. Siow Chun Lim	1/1. 1/1.	1/11/19	EETD EETD
		Meeting of TC on Lightning Protection (TC/E/13) Bil. 1/2019	Ir. Lim Kim Ten	1/1.	3/12/19	EETD
		Mesyyarat Jawatankuasa Standard Kebangsaan NSC J - Plastics and Plastics Products Bil. 1/2019	Ir. Dr. Tan Chee Fai	1/1.	28/11/19	METD



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee		
8	Eastern Regional Organization for Planning and Human Settlements (EAROPH)	Dialogue / Meetings: 7th EAROPH Malaysia Council Meeting 2018-2020	Ir. Yam Teong Sian	1/1.	24/1/19	PPC		
		Protem Meeting of EAROPH Malaysia Council 2018-2020	Ir. Tiong Choong Han	1/1.	19/8/19	UEDSIG		
		EAROPH 52nd EXCO Meeting	Ir. Tiong Choong Han	1/1.	14/10/19	UEDSIG		
9	Jabatan Bomba & Penyelamat Malaysia / Fire and Rescue Department Malaysia	Dialogue / Meetings: Courtesy Visit to new DG of Bomba	Ir. Yau Chau Fong Mr. Ng Beng Hooi Ir. Thin Choon Chai Ir. Chong Chew Fan Ir. Yim Hon Wa Ir. Gary Lim Eng Hwa Ir. Cha Hoong Kum Ir. Dr. Hee Choi Ir. Leong Siew Meng Ir. Selvakumar A/L Krishnan Ir. Alan Chan Teck Wai	1/1. 1/1. 1/1. 1/1. 1/1. 1/1. 1/1. 1/1. 1/1. 1/1.	15/1/19	PPC PPC FAB FAB FAB FAB FAB FAB FAB FAB		
		Pembentangan dan Penerangan Berkenaan Water Mist Fire Protection System	Ir. Dr. Hee Choi Ir. Wong See Foong Ir. Loo Chee Kin Ir. Alan Chan Teck Wai	1/1. 1/1. 1/1. 1/1.	28/2/19	FAB FAB FAB FAB		
		Mesuarat Dialog Bersama Professional Bil. 1/2019 Jabatan Bomba dan Penyelamat Malaysia Kuala Lumpur	Ir. Thin Choon Chai Ir. Gary Lim Eng Hwa Ir. Alan Chan Teck Wai	1/1. 1/1. 1/1.	17/4/19	FAB FAB FAB		
		Mesuarat Dialog Bersama Professional Bil. 2/2019 Jabatan Bomba dan Penyelamat Malaysia Kuala Lumpur	Ir. Thin Choon Chai Ir. Loo Chee Kin Ir. Tan Chew Ir. Cha Hoong Kum	1/1. 1/1. 1/1. 1/1.	10/12/19	FAB FAB FAB FAB		
		Mesuarat Kawalan Selia Kontraktor Keselamatan Kebakaran	Ir. Gary Lim Eng Hwa Ir. Thin Choon Chai Ir. Tan Chew	1/1. 1/1. 0/1	7/11/19	FAB FAB FAB		
		Majlis Perundingan Jabatan Bomba dan Penyelamat Malaysia bersama Badan Profesional Bil. 1/2019	Ir. Loo Chee Kin Ir. Thin Choon Chai Ir. Alan Chan Teck Wai	1/1. 1/1. 1/1.	28/11/19	FAB FAB FAB		
		Majlis Perundingan Bersama Professional Peringkat Jabatan Bomba dan Penyelamat Malaysia Negeri Sembilan	Ir. Loo Chee Kin Ir. Dr. Oh Seong Por Ir. Tiong Ngo Pu Ir. Azizi bin Ahamad	1/1. 1/1. 1/1. 1/1.	6/12/19	FAB N9 Branch N9 Branch N9 Branch		
		10	Jabatan Kerja Raya Malaysia (JKR)	Dialogue / Meetings: Mesuarat Penyeragaman Majlis Pelancaran dan Sambutan Hari Profesion Teknikal Negara Tahun 2019 (HPTN 2019) Bil. 3/2019	Ir. Gunasagaran Kristnan	1/1.	11/11/19	PPC
				11	Kementerian Kerja Raya (KKR)	Dialogue / Meetings: Mesuarat Kumpulan Kerja Teknikal (TWG)/IAPG Sektor Perkhidmatan - Industri Pembinaan Bil. 1/2019	Ir. Yasotha Ramachandran Chetty	1/1.
		Mesuarat Kumpulan Kerja Teknikal (TWG)/IAPG Sektor Perkhidmatan - Industri Pembinaan Bil. 2/2019	Ir. Yasotha Ramachandran Chetty Ir. Gunasagaran Kristnan			0/1 1/1.	1/10/19	CSETD PPC
Mesuarat Kumpulan Kerja Teknikal (TWG)/IAPG Sektor Perkhidmatan - Industri Pembinaan Bil. 3/2019	Ir. Yasotha Ramachandran Chetty	1/1.	19/11/19			CSETD		



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
12	Kementerian Perumahan & Kerajaan Tempatan (KPKT)	Dialogue / Meetings:				
		Jemputan Menghadiri Town Hall Ketua Setiausaha Kementerian Perumahan dan Kerajaan Tempatan (KPKT) Bersama-sama Pegawai Agensi Teknikal Dalam (PBT), Pegawai Agensi Teknikal Luaran dan Wakil Submitting Person (SP) Berhubung Isu Kebenaran Merancang (KM) Bagi Negeri Selangor dan Perak	Ir. Gunasagaran Kristnan Ir. Yim Hon Wa	1/1. 0/1	11/1/19	PPC PPC
		Jemputan Menghadiri Town Hall Ketua Setiausaha Kementerian Perumahan dan Kerajaan Tempatan (KPKT) Bersama-sama Pegawai Agensi Teknikal Dalam (PBT), Pegawai Agensi Teknikal Luaran dan Wakil Submitting Person (SP) Berhubung Isu Kebenaran Merancang (KM) Bagi Negeri Pulau Pinang, Kedah dan Perlis	Ir. You Ann Nian Mr. Tiu Jon Hui Ir. Jamaluddin bin Abdullah	1/1. 1/1. 1/1.	15/1/19	Penang Branch Penang Branch Kedah Branch Kedah Branch
		Jemputan Menghadiri Town Hall Ketua Setiausaha Kementerian Perumahan dan Kerajaan Tempatan (KPKT) Bersama-sama Pegawai Agensi Teknikal Dalam (PBT), Pegawai Agensi Teknikal Luaran dan Wakil Submitting Person (SP) Berhubung Isu Kebenaran Merancang (KM) Bagi Negeri Sembilan, Melaka dan Johor	<i>no representative</i> <i>no representative</i> Ir. David Puen Ming Shen	 1/1.	13/2/19	Negeri Sembilan Branch Melaka Branch Johor Branch Johor Branch
		Jemputan Menghadiri Town Hall Ketua Setiausaha Kementerian Perumahan dan Kerajaan Tempatan (KPKT) Bersama-sama Pegawai Agensi Teknikal Dalam (PBT), Pegawai Agensi Teknikal Luaran dan Wakil Submitting Person (SP) Berhubung Isu Kebenaran Merancang (KM) Bagi Negeri Kelantan, Terengganu dan Pahang	Ir. Rosmee b. Abd Rahman Ir. Mohd Zaidi b. Che Mod Ir. Amrulhafiz b. Ashari Ir. Abu Hanifah b. Yusof	1/1. 1/1. 1/1. 1/1.	9/4/19	Kelantan Branch Kelantan Branch Kelantan Branch Kelantan Branch
		Mesyuarat Manual OSC 3 Plus bersama Badan Professional dan Agensi Teknikal Luaran - Memuktamadkan Borang-Borang Pemajuan	Ir. Gunasagaran Kristnan Ir. Yim Hon Wa	1/1. 1/1.	8/5/19	PPC PPC
		Perbincangan Mengenai Permit Pembinaan Bersama Lembaga Profesional (Bil. 2/2019)	Ir. Gunasagaran Kristnan	0/1	11/7/19	PPC
		Mesyuarat Pindaan UKBS 1984 bagi Performance Based Materials	Ir. Yasotha Ramachandran Chetty Ir. Prof. Dr. Mohd. Zamin	1/1. 1/1.	22/7/19	PPC PPC
		Mesyuarat Penyelarasan Pindaan UKBS 1984	Ir. Yasotha Ramachandran Chetty Ir. Prof. Dr. Mohd. Zamin	1/1. 1/1.	15/8/19	PPC PPC
		Mesyuarat Penyelarasan Pelaksanaan Latihan untuk Manual dan Sistem OSC 3 Plus Online	Ir. Gunasagaran Kristnan	1/1.	20/8/19	PPC
		Mesyuarat Way Forward Isu Pengeluaran Perakuan Siap dan Pematuhan (CCC) Bil. 5/2019	Ir. Yim Hon Wa	0/1	2/12/19	PPC
		13	Kementerian Tenaga, Sains, Teknologi, Alam Sekitar dan Perubahan Iklim (MESTECC)	Dialogue / Meetings:		
Perbincangan Kumpulan Focus Peraturan Pengurusan Tenaga Dengan Cekap (EMER) dan Peraturan Tenaga Termal bagi Akta Kecekapan dan Konservasi Tenaga (Elektrik dan Termal)	Ir. Tejinder Singh			0/1	5/3/19	PPC
Mesyuarat Jawatankuasa Teknikal Penggubalan Akta Kecekapan dan Konservasi Tenaga (Elektrik dan Termal) Serta Peraturan-Peraturan di Bawahnya Bil. 1/2019	Ir. Francis Xavier Jacob Ir. Chong Chew Fan			1/1. 1/1.	7/5/19	EETD EETD
		Mesyuarat Jawatankuasa Teknikal Penggubalan Akta Kecekapan dan Konservasi Tenaga (Elektrik dan Termal) Serta Peraturan-Peraturan di Bawahnya Bil. 1/2019	Ir. Chong Chew Fan	1/1.	27/6/19	EETD



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
		Mesyyarat Jawatankuasa Teknikal Penggubalan Akta Kecekapan dan Konservasi Tenaga (Elektrik dan Termal) Serta Peraturan-Peraturan di Bawahnya Bil. 2/2019	Ir. Chong Chew Fan	1/1.	18/10/19	EETD
14	Kementerian Kewangan (MoF)					
	Dialogue / Meetings:	Majlis Konsultasi Belanjawan 2020	Ir. Mohd Khir b. Muhammad	0/1	27/6/19	Excomm
15	Kuala Lumpur Engineering Science Fair (KLESF)					
	Dialogue / Meetings:	The 30th Steering Committee Meeting on KLESF	Ir. Chua Yaw Long	0/1	30/5/19	ACT
16	Malaysian Green Technology Corporation					
	Dialogue / Meetings:	AEMAS Joint Project Committee Meeting 1/2019	Ir. Luk Chau Beng Ir. Roger Wong Chin Weng	1/1. 1/1.	18/7/19	METD EETD
		AEMAS Joint Project Committee Meeting 3/2019	Ir. Luk Chau Beng Ir. Roger Wong Chin Weng	0/1 0/1	4/10/19	METD EETD
17	Malaysian Industry-Government Group for High Technology (MIGHT)					
	Dialogue / Meetings:	Focus Group Discussion on 'Kajian Kesediaan Institusi Pendidikan Bagi Mendepani Revolusi Perindustrian 4.0'	Ir. Mah Siew Kien Mr. Dinesh Manoharan	1/1. 1/1.	5/12/19	WE CESIG
18	Majlis Bandaraya Petaling Jaya (MBPJ)					
	Dialogue / Meetings:	Mesyyarat Jawatankuasa Perancangan Bandar Bil. 2/2019	Ir. Ellias bin Saidin	1/1.	18/2/19	CA
		Mesyyarat Jawatankuasa Perancangan Bandar Bil. 3/2019	Ir. Ellias bin Saidin	0/1	18/3/19	CA
		Mesyyarat Jawatankuasa Perancangan Bandar Bil. 5/2019	Ir. Gunasagaran Kristnan Ir. Ellias bin Saidin	1/1. 0/1	17/5/19	CA CA
		Mesyyarat Jawatankuasa Perancangan Bandar Bil. 6/2019	Ir. Gunasagaran Kristnan Ir. Ellias bin Saidin	0/1 1/1.	17/6/19	CA CA
		Mesyyarat Jawatankuasa Perancangan Bandar Bil. 7/2019	Ir. Gunasagaran Kristnan Ir. Ellias bin Saidin	0/1 0/1	17/7/19	CA CA
		Mesyyarat Jawatankuasa Perancangan Bandar Bil. 8/2019	Ir. Ellias bin Saidin Ir. Gunasagaran Kristnan	0/1 0/1	20/8/19	CA CA
		Mesyyarat Jawatankuasa Perancangan Bandar Bil. 9/2019	Ir. Ellias bin Saidin Ir. Gunasagaran Kristnan	0/1 0/1	12/9/19	CA CA
		Mesyyarat Jawatankuasa Perancangan Bandar Bil. 10/2019	Ir. Ellias bin Saidin Ir. Gunasagaran Kristnan	0/1 0/1	21/10/19	CA CA
		Mesyyarat Jawatankuasa Perancangan Bandar Bil. 11/2019	Ir. Ellias bin Saidin Ir. Gunasagaran Kristnan	0/1 0/1	18/11/19	CA CA
		Mesyyarat Jawatankuasa Perancangan Bandar Bil. 12/2019	Ir. Ellias bin Saidin Ir. Gunasagaran Kristnan	0/1 0/1	6/12/19	CA CA
19	Malaysian Chamber of Mines					
	Dialogue / Meetings:	MMRC Meeting 2019 -2	Ir. Simon Yeong Chin Chow Ir. Lai Kuan Fatt Ir. Yee Thien Seng	1/1. 1/1. 1/1.	6/5/19	Perak Branch Perak Branch TUSTD
		MMRC Meeting 2019 -3	Ir. Simon Yeong Chin Chow Ir. Lai Kuan Fatt Ir. Yee Thien Seng	0/1 0/1 0/1	27/8/19	Perak Branch Perak Branch TUSTD



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
20	Malaysian Green Technology Corporation					
	Dialogue / Meetings:	17th AEMAS Join Project Committee Meeting Bil. 1/2019	Ir. Luk Chau Beng	0/1	18/4/19	METD
21	Malaysia External Trade Development Corporation (MATRADE)					
	Dialogue / Meetings:	54th NAPSEC Meeting	Ir. Jeffrey Chiang Choong Luin Ir. Yam Teong Sian	1/1. 0/1	16/7/19	CA CA
		55th NAPSEC Meeting	Ir. Jeffrey Chiang Choong Luin Ir. Yam Teong Sian	1/1. 0/1	22/11/19	CA CA
22	Malaysia Green Building Confederation (MalaysiaGBC)					
	Dialogue / Meetings:	Malaysia Green Building Confederation (MGBC) - 4th Extraordinary General Meeting (EGM)	Dr. Yuen Choon Wah	1/1.	18/1/19	HTETD
		Seminar & Resource Committee Meeting with MalaysiaGBC Institutional Partner	Dr. Yuen Choon Wah	1/1.	22/11/19	HTETD
23	Malaysia Productivity Corporation (MPC)					
	Dialogue / Meetings:	Focus Group on Dealing with Construction Permits (FGDCP) Meeting #1/2019	Ir. Gunasagaran Kristnan Ir. Yim Hon Wa	0/1 1/1.	18/3/19	PPC PPC
		Technical Working Group on Dealing with Construction Permits (TWGDCP) Meeting #2/2019 (previously known as Focus Group on Dealing with Construction Permit)	Ir. Yau Chau Fong Ir. Tiong Ngo Pu	0/1 0/1	31/7/19	CA CA
		Technical Working Group on Getting Electricity (TWGGE) Meeting 1/2019	Ir. Chong Chew Fan	0/1	24/6/19	EETD
		Technical Working Group on Getting Electricity (TWGGE) Meeting 2/2019	Ir. Chong Chew Fan	0/1	15/8/19	EETD
24	Malaysian Rubber Board (MRB) / Lembaga Getah Malaysia (LGM)					
	Dialogue / Meetings:	Jemputan Ke Program 'Planters Tea Talk' anjuran bersama Lembaga Getah Malaysia (LGM) dan International Institute of Plantation Management (IIPM)	<i>no representative</i>	0/1	11/2/19	AFETD Pahang Branch
25	Malaysian Technical Standards Forum Bhd (MTSFB)					
	Dialogue / Meetings:	High Voltage DC Remote Power Feeding for Base Stations (HDVC SWG) #1/2019 Meeting	Ir. Amir Hussein b. Jaafar Ir. Chong Chew Fan	1/1. 0/1	3/4/19	EETD EETD
26	Ministry of International Trade and Industry (MITI)					
	Dialogue / Meetings:	Mesyuarat Technical Working Group (TWG): Professional Services Bagi Rancangan Malaysia ke-12	Ir. Dr. Tan Yean Chin Ir. Elias bin Saidin	1/1. 1/1.	17-18/9/19	Excomm PPC
27	PGC Strategies Sdn Bhd (Penang Green Council)					
	Dialogue / Meetings:	Penang Green Agenda Working Group Meeting 1/2019	Ir. Dr. Leo Choe Peng	1/1.	6/8/19	IEM Penang
28	Pejabat Setiausaha Kerajaan Negeri Selangor, Bahagian Unit Pengurusan Bencana Negeri Selangor					
	Dialogue / Meetings:	Mesyuarat Working Group Persediaan dan Persiapan Peringkat Tinggi Fenomena Air Pasang Besar di Daerah Klang, Kuala Langat, Sepang, Kuala Selangor dan Sabak Bernam Bil. 1/2019	En. Azahari b. Md. Rejab	1/1.	27/8/19	DRRAB



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
29	Pertubuhan Akitek Malaysia (PAM) / Malaysian Institute of Architects	Dialogue / Meetings: Jemputan Mesyuarat Kali ke-3 Berkaitan Deraf Pembentangan Garis Panduan dan Keperluan Keselamatan Kebakaran Bagi Bangunan-Bangunan Warisan	Ir. Tan Chew Ir. Alan, Chan Teck Wai Ir. Gary Lim Eng Hwa	0/1 1/1. 0/1	17/1/19	FAB, PPC FAB, PPC FAB, PPC
		Jemputan Mesyuarat Kali ke-4 Berkaitan Deraf Pembentangan Garis Panduan dan Keperluan Keselamatan Kebakaran Bagi Bangunan-Bangunan Warisan	Ir. Tan Chew Ir. Alan, Chan Teck Wai ir. Gary Lim Eng Hwa	1/1. 1/1. 1/1.	14/2/19	FAB, PPC FAB, PPC FAB, PPC
		Jemputan Mesyuarat Kali ke-5 Berkaitan Deraf Pembentangan Garis Panduan dan Keperluan Keselamatan Kebakaran Bagi Bangunan-Bangunan Warisan	Ir. Tan Chew Ir. Alan, Chan Teck Wai ir. Gary Lim Eng Hwa	1/1. 1/1. 0/1	14/3/19	FAB, PPC FAB, PPC FAB, PPC
		Jemputan Mesyuarat Kali ke-6 Berkaitan Deraf Pembentangan Garis Panduan dan Keperluan Keselamatan Kebakaran Bagi Bangunan-Bangunan Warisan	Ir. Tan Chew Ir. Alan, Chan Teck Wai ir. Gary Lim Eng Hwa	0/1 1/1. 0/1	20/6/19	FAB, PPC FAB, PPC FAB, PPC
		Jemputan Mesyuarat Kali ke-7 Berkaitan Deraf Pembentangan Garis Panduan dan Keperluan Keselamatan Kebakaran Bagi Bangunan-Bangunan Warisan	Ir. Tan Chew Ir. Alan, Chan Teck Wai ir. Gary Lim Eng Hwa	0/1 1/1. 0/1	18/7/19	FAB, PPC FAB, PPC FAB, PPC
		30	SIRIM QAS International Sdn. Bhd.	Dialogue / Meetings: 47th SIRIM Certification Advisory Committee (CAC) Meeting	Ir. Gunasagaran Kristnan	1/1.
31	SIRIM STS Sdn Bhd	Dialogue / Meetings: Jemputan Sesi Stakeholder Consultation bagi Draf "Penarafan Hijau Bagi Fasiliti Bangunan Kediaman dan Bukan Kediaman"	<i>no representative</i> <i>no representative</i> <i>no representative</i>	0/1 0/1 0/1	2/4/19	METD EETD CSETD
		Project Committee Meeting for Draft on COP for Upgrading of Interior Lighting with LED Lamps and Luminaire	Ir. Chong Chew Fan	1/1.	9/4/19	EETD
		Stakeholder Consultation Session - SIRIM Standard on Specification for Joint Plates and Shoes for Precast Concrete Piles	<i>no representative</i>		8/5/19	
		Meeting for SIRIM Standard on Specification for Joint Plate and Shoes for Precast Concrete Piles Bil. 1/2019	Ir. Tien Loy Bong Ir. Siow Yun Tong	1/1. 0/1	20/8/19	CSETD CSETD
		Meeting for SIRIM Standard on Specification for Joint Plate and Shoes for Precast Concrete Piles Bil. 2/2019	Ir. Tien Loy Bong Ir. Siow Yun Tong	0/1 0/1	27/9/19	CSETD CSETD
		32	Suruhanjaya Perkhidmatan Air Negara (SPAN)	Dialogue / Meetings: Jemputan Mesyuarat Jawatankuasa Penilaian (JakPen) Utama Suruhanjaya Perkhidmatan Air Negara Bil. 1/2019	Ir. Ellias bin Saidin Ir. Kamalesen Chandrasekaran	1/1. 0/1
		Jemputan Mesyuarat Jawatankuasa Penilaian (JakPen) Utama Suruhanjaya Perkhidmatan Air Negara Bil. 2/2019	Ir. Ellias bin Saidin Ir. Kamalesen Chandrasekaran	1/1. 0/1	15/7/19	WRTD WRTD
		Jemputan Mesyuarat Jawatankuasa Penilaian (JakPen) Utama Suruhanjaya Perkhidmatan Air Negara Bil. 3/2019	Ir. Ellias bin Saidin	1/1.	17/10/19	WRTD
		Jemputan Mesyuarat Jawatankuasa Penilaian (JakPen) Utama Suruhanjaya Perkhidmatan Air Negara Bil. 4/2019	Ir. Ellias bin Saidin	1/1.	17/12/19	WRTD
		Mesyuarat "Kick-off" Jawatankuasa Khas Siasatan Paip Pecah di Projek Pembinaan Lebuhraya West Coast Expressway (WCE) di Klang	Ir. Dr. Ooi Teik Aun Ir. Mak Wai Kin	1/1. 1/1.	29/5/19	GETD GETD



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
33	Suruhanjaya Tenaga (ST)	Dialogue / Meetings: Mesyuarat Panel Perundingan Tenaga (PPT) 2019	Ir. Francis Xavier Jacob	1/1.	11/7/19	EETD
		Kick Off Meeting Kumpulan Kerja bagi Kajian Tempoh Pelaksanaan Penentukuran Geganti dan Peranti Perlindungan	Ir. Ng Win Siau Mr. Alex Looi Tink Huey	1/1. 0/1	25/7/19	EETD EETD
34	The Institution of Fire Engineers (UK) Malaysia Branch	Dialogue / Meetings: PAM WG for Drafting of Fire Safety Guideline for Heritage Buildings (Part 4-Fire Safety and Prevention) Bil. 1/2019	Ir. Alan Chan Teck Wai	1/1.	21/6/19	FAB
		Dialogue / Meetings: Meeting for Advisory Committee of Product Certification (ACPC) of TUV SUD (Malaysia) Sdn. Bhd. Bil. 1/2019	Ir. Lai Sze Ching	1/1.	24/9/19	PPC
35	TUV SUD (Malaysia) Sdn. Bhd.	Dialogue / Meetings: Meeting for Advisory Committee of Product Certification (ACPC) of TUV SUD (Malaysia) Sdn. Bhd. Bil. 2/2019	Ir. Lai Sze Ching	1/1.	14/11/19	PPC
		Dialogue / Meetings: Mensyuarat Jawatankuasa Pengajian Program (JKPP) Master Kejuruteraan Proses Makanan & Pembungkusan	Ir. Vasan Mariappan	1/1.	17/1/19	AFETD
37	Universiti Tenaga Nasional (UNITEN)	Dialogue / Meetings: IAP Civil Engineering Uniten	Ir. David Ng Shiu Yuen	0/1	16/7/19	CSETD
		Dialogue / Meetings: 13th Industrial Advisory Panel (IAP) Meeting, Department of Civil Engineering , Universiti Tenaga Nasional	Ir. David Ng Shiu Yuen	0/1	26/9/19	CSETD



JANUARY - DECEMBER 2019

STANDING COMMITTEE ON PROFESSIONAL PRACTICE

No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee	
1	Accenture Japan Ltd.	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop: Seminar & Business Matching in Japanese Infrastructure Technologies	Ir. David Lai Kong Phooi	0/1	26/2/19	Excomm	
			Ir. Ong Ching Loon	1/1		Excomm	
			Ir. Mohd Khir bin Muhammad	1/1		Excomm	
			Ir. Gunasagaran Kristnan	1/1		Excomm	
2	Building Management Association of Malaysia (BMAM)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop: PPKM Forum on Strata Issues	Ir. Lee Weng Onn	1/0	31/5/19	CA	
			Ir. Yong Kee Chiang	1/1.		CA	
3	Centre for Environment, Technology and Development Malaysia (CETDEM)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop: Invitation to SUDI Sustainable Resource Management Study Stakeholder Consultation	Ir. Wan Wai Thong	1/1.	8/7/19	AFETD	
4	Confederation of Scientific and Technological Associations in Malaysia (COSTAM)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop: MSA-ASLI Open Dialogue on Science Education (STEM to STREAM)	Ir. Chong Chew Fan	0/1	6/3/19	CA	
			Ir. Tan Chee Fai	1/1.		CA	
5	Construction Industry Development Board [CIDB] Malaysia	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop: Jemputan Menghadiri Bengkel Kerja Jadual Ke-Empat Akta 520 - Ready - Mixed Concrete, Cement, Precast Concrete Pile, Blockwork System & Precast Concrete System	Ir. Gunasagaran Kristnan	1/1.	5/3/19	PPC	
			Jemputan Kepada MoU Partner untuk Menghadiri Majlis Pelancaran MSCESMM & MyCESMM2	Ir. Gunasagaran Kristnan	1/1.	8/1/19	PPC
				Ir. Shahul Ikram	0/1		PPC
				Ir. Ho Kin Wing	0/1	PPC	
	Jemputan ke Sesi Konsultasi Bersama Profesional Bagi Cadangan Kemaskini Jadual Ke-4 Akta 520 CIDB	Ir. Gunasagaran Kristnan	1/1.	22/7/19	PPC		
	Occupational Safety & Health in Construction Industry (Management) OSHCIM Conference	Ir. Gunasagaran Kristnan	1/1.	10/12/19	PPC		
	Jemputan Bengkel Validasi Bersama Industri bagi Draf Garis Panduan Guidelines for Construction on Peat and Organics Soils (Edisi Kemaskini)	Ir. Sin Peng Tean	0/1	17/12/19	GETD		
6	Construction Research Institute of Malaysia (CREAM)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop: Jemputan Bengkel Peat Soil Bil. 2	Ir. Lee Peir Tien	0/1	22/1/19	GETD	
			Jemputan Ke Bengkel Kerja Jadual Ke-Empat Akta 520	<i>no representative</i>		26-27/2/19	CSETD
			Jemputan Ke Bengkel Kerja Jadual Ke-Empat Akta 520 - Validasi bersama Stakeholders	Ir. Gunasagaran Kristnan	0/1	18/4/19	PPC
	Ir. Jeffrey Lee Sheu Tiong	1/1.	PPC				
		Ir. Chong Chew Fan	0/1	PPC			
		Dr. Sudharshan Naidu a/l Raman	0/1	CSETD			
7	Department of Standards Malaysia (DSM)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop: JISC/IEC/APCF Seminar on Natural Disaster Countermeasures for National Resilience	Ir. Lim Kim Ten	1/1.	15/2/19	EETD	



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
		Jemputan Menghadiri Majlis Perasmian Mesyuarat ke-51 ASEAN Consultative Committee for Standards and Quality (ACCSQ) dan Mesyuarat-Mesyuarat Berkaitan	Ir. David Lai Kong Phooi Ir. Prof. Dr. Norlida Buniyamin	1/1. 0/1	9/7/19	Excomm Excomm
		Jemputan Sesi Town Hall Mengenai Standard ISO Baru Yang Sedang Dalam Pendrafan Bertajuk 'COMPLIANCE MANAGEMENT SYSTEMS' Yang Akan Memberi Impak Kepada Negara	Ir. Sukhairul Nizam	0/1	13/9/19	Council
		Bengkel Systematic Review bagi Dokumen Standard di bawah Technical Committee Dry Fire Protection System (TC/M/1)	Ir. Thin Choon Chai	1/1.	1/10/19	FAB
		Bengkel Systematic Review bagi Dokumen Standard di bawah Technical Committee Plastics Pipes and Fittings (TC/J/2)	Ir. Ung Ah Hock Ir. Leong Hon Wah	0/1 0/1	1/10/19	BSTD BSTD
		Bengkel Systematic Review bagi Dokumen Standard di bawah Technical Committee Passive Fire Protection System (TC/M/2)	Ir. Yim Hon Wa Ir. Cha Hoong Kum Ir. Hee Choi Ir. Low Kai Wah	1/1. 1/1. 0/1 0/1	1/10/19	FAB FAB FAB FAB
		Bengkel Systematic Review bagi Dokumen Standard di bawah Technical Committee Wet Fire Protection System (TC/M/3)	Ir. Thin Choon Chai Ir. Selvakumar Ir. Chan Teck Wai, Alan	0/1 0/1 0/1	1/10/19	FAB FAB FAB
		Bengkel Pembangunan Malaysian Standard bagi Multilayer Poly (Vinyl Chloride) (PVC) pipes for Water Supply and Sewerage Application (Part 1,2,5,7)	Ir. Dr. Tan Chee Fai Ir. Abdul Azim b. Abdul Rahman	0/1 0/1	25-26/11/19	BSTD BSTD
8	Indah Water Konsortium					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan ke Seminar Satu Hari Teknologi Trenchless Antarabangsa Anjuran Persatuan Teknologi Trenchless Malaysia	<i>no representative</i>	0/1	27/6/19	TUSTD
9	Jabatan Bomba & Penyelamat Malaysia / Fire and Rescue Department Malaysia					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel Semakan dan Pindaan Undang-Undang Kecil Bangunan Seragam 1984 (Pindaan 2012) - Bahagian VIII dan Jadual Ke-Sepuluh	Ir. Wong See Foong Ir. Selvakumar A/L Krishnan Ir. Tan Chew Ir. Cha Hoong Kum Ir. Alan Chan Teck Wai	1/1. 1/1. 0/1 0/1 1/1.	9/4/19	FAB FAB FAB FAB FAB
		Bengkel Semakan dan Pindaan Undang-Undang Kecil Bangunan Seragam 1984 (Pindaan 2012) - Bahagian VIII dan Jadual Ke-Sepuluh	Ir. Thin Choon Chai Ir. Gary Lim Eng Hwa Ir. Tan Chew Ir. Alan Chan Teck Wai	1/1. 1/1. 1/1. 1/1.	23/4/19	FAB FAB FAB FAB
		Bengkel Semakan dan Pindaan Undang-Undang Kecil Bangunan Seragam 1984 (Pindaan 2012) - Bahagian VIII dan Jadual Ke-Sepuluh	Ir. Thin Choon Chai Ir. Gary Lim Eng Hwa Ir. Tan Chew Ir. Alan Chan Teck Wai	1/1. 1/1. 1/1. 1/1.	14/8/19	FAB FAB FAB FAB
		Jemputan ke Majlis Perasmian Kempen Keselamatan dan Ops Raya 2019 Jabatan Bomba dan Penyelamat Malaysia	Ir. Lim Kim Ten	1/1.	25/5/19	FAB
		Jemputan ke Majlis Jalinan Mesra YB Menteri Perumahan dan Kerajaan Tempatan Bersama-sama Warga Jabatan Bomba dan Penyelamat Malaysia Sempena Sambutan Hari Raya Aidilfitri 1440H/2019M	Ir. Gary Lim Eng Hwa	1/1.	24/6/19	FAB
		Jemputan ke Majlis Perasmian Sambutan Hari Anggota Bomba Sedunia 2019	<i>no representative</i>		20/7/19	FAB



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
10	Jabatan Perancangan Bandar dan Desa, Kementerian Wilayah Persekutuan					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri Program 'Expert Talk' PLANMalaysia Bagi Konsep Bandar Pintar (Smart City) di Malaysia	Ir. Dr. Chew Chong Key Ir. Shahidan b. Sadiman Ir. Santha Kumaran A/L Erusan Ir. Fan Hong Poh Ir. Chai Chen Sing Ir. Tan Boon Heng	1/1. 1/1. 1/1. 1/1. 1/1. 1/1.	15/8/19	AFETD PSESIG ENETD ENETD ICTSIG ENETD
11	Kementerian Kerja Raya (KKR)					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel Focus Group Di Bawah Kumpulan Kerja Teknikal (TWG)/IAPG Sektor Perkhidmatan - Industri Pembinaan	Ir. Yasotha Ramachandran Chetty	1/1.	19-20/8/19	CSETD
12	Kementerian Perumahan & Kerajaan Tempatan (KPKT)					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri Pelancaran dan Bual Bicara Dasar Perumahan Negara (DRN)	Ir. Gunasagaran Kristnan Ir. Yim Hon Wa	1/1. 0/1	28/1/19	PPC PPC
		Jemputan Menghadiri Sesi Sebaran dan Sesi Town Hall Berkenaan Manual OSC 3 Plus	Ir. Gunasagaran Kristnan Ir. Yim Hon Wa	1/1. 0/1	24-25/7/19	PPC PPC
		Jemputan Menghadiri Sesi Libat Urus Bersama Pemegang Taruh Bagi Penggubalan Dasar Pembinaan Negara 2030	Dato' Ir. Anuar Yahya Ir. Ellias Saidin	1/1. 1/1.	12/2/2019	PPC PPC
13	Lembaga Perumahan dan Hartanah Selangor (LHPS)					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel bagi Memperkasakan Dasar Teknologi Industrialised Building System (IBS) dalam Pembinaan Rumah Selangorku dengan Kos Yang Efektif	<i>no representative</i>	0/1	23-25/7/19	
14	Malaysian Fire Protection Association (MFPA)					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	42nd Anniversary Cum Installation Dinner 2019	Ir. Chong Chew Fan	1/1.	19/7/19	PPC
15	Malaysia Gas Association (MGA)					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Invitation to Cogeneration Workshop by Malaysian Gas Association (MGA)	Ir. Roznan Abdul Rashid Ir. Dr. Chew Chong Key Ir. Shahidan b. Sadiman Ir. Santha Kumaran A/L Erusan@Krishnan	1/1. 1/1. 1/1. 1/1.	20/8/19	MNATD AFETD PSESIG ENETD
16	Majlis Bandaraya Petaling Jaya (MBPJ)					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Sesi Bengkel 'Brainstroming' Bersama Badan Professional bagi Memantapkan Proses Permohonan Pelan Pembangunan di OSC MBPJ	Ir. Gunasagaran Kristnan Ir. Yim Hon Wa	0/1 0/1	8/4/19	PPC PPC
17	Majlis Negara Bagi Keselamatan Dan Kesihatan Pekerjaan					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri Bengkel Maklum Balas OSHCIM	Ir. T.P. Wong	1/1.	12/09/19	UEDSIG
18	Malaysian Society of Agricultural Engineers (MSAE)					
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Kehormat ke Konvensyen Kebangsaan Kejuruteraan Pertanian dan Makanan 2019	Ir. Vasan Mariappan	1/1.	21/3/19	AFETD



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
19	Malaysia Productivity Corporation (MPC)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri "Malaysia Productivity Blueprint (MPB) - Professional Services Luncheon Talk with the Professional Bodies"	Ir. Elias b. Saidin Ir. Yap Soon Hoe Ir. Mohd Radzi Ir. Jeffrey Lee Sheu Tiong	1/1. 1/1. 1/1. 1/1.	19/3/19 PPC PPC PPC
			Invitation to National Convention on Good Regulatory Practice (GRP) 2019	Ir. Yau Chau Fong Ir. Roznan b. Abdul Rashid Ir. Mah Siew Kien Ir. Raftah bt. Mahfar Ir. Hjh. Rosnelawati Ir. Dr. Chew Chong Key	1/1. 1/1. 1/1. 1/1. 1/1. 1/1.	10/10/19 EETD MNATD WE WE WE AFETD
20	Malaysian Timber Industry Board (MTIB)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Program Konsultasi Berkenaan Peraturan Perindustrian Kayu (Tahap Pembebasan Formaldehyde daripada Produk Berasaskan Panel)	Ir. Prof. Mohd. Zamin b. Jumaat	0/1	29/7/19 CSETD
			Bengkel Polisi Penggunaan Kayu	Ir. Prof. Mohd. Zamin b. Jumaat Ir. Yasotha Ramachandran Chetty	0/1 0/1	11/9/19 CSETD CSETD
21	Ministry of Human Resource (MOHR)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri Kursus Train-The-Trainer OSHCIM Untuk Profesional dan Profesion Industri Pembinaan Sesi 1/2019	Mr. Raghib b. Fasih azmi Ir. Syed Neguib Ir. Wong Tai Poh, Philip	0/1 0/1 1/1.	20-21/8/19 METD METD UEDSIG
			Sesi Perbincangan bersama Pegawai Pakar dari International Benchmarking OSH Regulatory (IBOR)	Ir. Wong Tai Poh, Philip	0/1	13/9/19 UEDSIG
22	Ministry of International Trade and Industry (MITI)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel Technical Working Group (TWG): Professional Services Bil. 1/2019 Bagi Rancangan Malaysia ke-12	Ir. Dr. Tan Yean Chin Ir. Elias bin Saidin	1/1. 0/1	1/8/19 Excomm PPC
23	Real Estate and Housing Developers' Association Malaysia (REHDA)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Opening Ceremony of Home Ownership Campaign 2019	Ir. David Lai Kong Phooi	0/1	1/3/19 Excomm
			IBS Masterclass & Conference	Ir. Yasotha Ramachandran Chetty	0/1.	26/3/19 CSETD
24	Royal Institution of Surveyors Malaysia (RISM)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel MySMM Bil. 2/2019	Ir. Shahul Ikram	1/1.	19/11/19 PPC
25	SIRIM QAS International Sdn. Bhd.	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Launching Ceremony of New Testing Facilities - External Cladding Systems	Ir. Alan Chan Teck Wai Ir. Tan Chew Ir. Loo Chee Kin	1/1. 1/1. 1/1.	26/8/19 FAB FAB FAB
26	Suruhanjaya Pencegahan Rasuah Malaysia (SPRM)	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan ke Sesi Khidmat Nasihat Terhadap Amalan, Sistem dan Tatacara Kerja Berhubung Pengeluaran Perakuan Siap dan Pematuhan oleh Para Profesional	Ir. Dr. Chen Thiam Leong	0/1	8/8/19



No	Organization	Title	Representatives	Attendance	Date (D/M/Y)	Committee
27 Suruhanjaya Tenaga (ST)						
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan ke 3rd Seminar of Electrical & Gas Product Safety Activities in Malaysia & Japan	Ir. Chong Chew Fan	1/1.	19-20/2/19	EETD
		Jemputan bagi Menghadiri Energy Commission Talk	<i>no representative</i>	0/1	12/2/19	EETD
		Jemputan Menyertai Bengkel Kajian Separuh Penggal Pelan Tindakan Kecekapan Tenaga Negara (NEEAP) (NEEAP Midterm Review) (Sektor Komersial)	Ir. Francis Xavier Jacob	1/1.	21/8/19	EETD
28 Sustainable Energy Development Authority Malaysia (SEDA Malaysia)						
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan ke Seminar on Awareness Towards Zero Energy Building (ZEB)	<i>no representative</i>	0/1	28/2/19	EETD
29 Universiti Teknologi Malaysia (UTM), Kuala Lumpur						
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Seminar on Cost Engineering - Shaping Minds & Broadening Perspectives	Ir. Noorfaizah bt. Hamzah Dr. Sara Lee Kit Yee Ir. Sofia Johari Ir. Wong Chin weng, Roger Ir. Roznan b. Abdul Rashid	1/1. 1/1. 1/1. 1/1.	25/7/19	WE METD BSTD EETD MNATD
30 Universiti Tenaga Nasional (UNITEN)						
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Invitation to Workshop on Gas Market Liberalization in Malaysia	Ir. Lee Chang Quan	1/1.	11/9/19	OGMTD



ENGINEERING HALL OF FAME

2009

Allahyarham Tan Sri Ir. HjYusoff bin Ibrahim	IEM Founding Member and 1st IEM President
The Late Academician Tan Sri Ir. (Dr.) JG Daniel	IEM Founding member and Counsellor to IEM Constitution and Bylaws
The Late Ir. K. Kumarasivam	Wellknown and eminent engineer in championing Environmental issues for engineering profession
The Late Tan Sri Datuk Ir. Prof (Dr.) Chin Fung Kee	Eminent and Distinguished engineer well recognised internationally and the 1st non European to hold the position of Chairman of Commonwealth Engineering Council (CEC)
Y.Bhg. Dato' Ir. Pang Leong Hoon	IEM President when IEM reached 25 years of age and contribution as the long standing Election Officer

2012

Tan Sri Dato' Ir. (Dr) Haji Abu Zarim bin Haji Omar	IEM President responsible for housing IEM Secretariat at TNB office at JalanTimur for years until Bangunan Ingenieur is completed.
Allahyarham Raja Tan Sri Ir. Zainal bin Raja Sulaiman	Founding Member and 2nd IEM President responsible to application of land for Bangunan Ingenieur, P.Jaya
The Late Ir. Chiam Teong Tee	IEM President and Responsible for setting up of BEM, Engineers Act and the IEM Constitution and Bylaws as well as the Professional Interview Regulation
Y.Bhg. Academician Dato' Ir. Lee Yee Cheong	Internationally acclaimed President of IEM who is the 1st Malaysian to become President of World Federation of Engineering Organisations (WFEO). The second Malaysian to Chair Commonwealth Engineering Council (CEC)

2019

Y. Bhg. Academician Tan Sri Dato' Ir. Prof Dr Chuah Hean Teik	IEM Past President who had contributed tremendously to Engineering Education in the country receiving numerous awards locally and internationally. In 2019, received the World Federation of Engineering Organisations (WFEO) Award for Engineering Excellence.
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Top Membership Drive Award for Recruitment of Graduate Members (Individual)

Year	Recipient	Award given in
2007	<i>Ir Prof Dr Amir Hashim bin Mohd Kassim</i>	2008
2008	<i>Ir Abdul Talib bin Din</i>	2009
2009	<i>Ir. Dr Ramlee Karim</i>	2010
2010	<i>Ir. Adnan Zulkiple</i>	2011
2011	<i>Ir. Ahmad bin Tamby Kadir</i>	2012
2012	<i>Ir. Prof. Dr Zainal Abidin bin Ahmad</i>	2013
2013	<i>Ir. Dr. Tan Chee Fai</i>	2014
2014	<i>Ir. Prof. Dr Zainal Abidin bin Ahmad</i>	2015
2015	<i>Ir. Harizan bin Che Mat Haris</i>	2016
2016	<i>Ir. Dr. Khoo Hooi Ling @ Lai Hooi Ling</i>	2017
2017	<i>Ir. Dr. Khoo Hooi Ling @ Lai Hooi Ling</i>	2018
2018	<i>Ir. Chan Cheong Loon</i>	2019

Top Membership Drive Award for Recruitment of Graduate Members (Organisation)

Year	Recipient	Award given in
2007	<i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>	2008
2008	<i>Universiti Teknikal Malaysia, Melaka (UTeM)</i>	2009
2009	<i>Tentera Laut Diraja Malaysia (TLDM)</i>	2010
2010	<i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>	2011
2011	<i>Tenaga Nasional Berhad (TNB)</i>	2012
2012	<i>Universiti Tun Hussein Onn Malaysia (UTHM)</i>	2013
2013	<i>Universiti Teknikal Malaysia, Melaka (UTeM)</i>	2014
2014	<i>Universiti Teknikal Malaysia, Melaka (UTeM)</i>	2015
2015	<i>Universiti Teknologi MARA (UiTM)</i>	2016
2016	<i>Petroliaam Nasional Berhad (PETRONAS)</i>	2017
2017	<i>Prasarana Malaysia Berhad</i>	2018
2018	<i>Prasarana Malaysia Berhad</i>	2019

Top Membership Drive Award for Recruitment of Corporate Members (Individual)

Year	Recipient	Award given in
2007	<i>Y.Bhg Dato' Sri Ir. Prof. Dr. Wahid bin Omar</i>	2008
2008	<i>Dato' Ir. Dr. Gue See Sew and also Ir. Chan Sai Chok (same score)</i>	2009
2009	<i>Ir. Ali Askar bin Sher Mohamad</i>	2010
2010	-	-
2011	-	-
2012	<i>Ir. Dr Ahmad Anuar bin Othman</i>	2013
2013	<i>Ir. Dr Ahmad Anuar bin Othman</i>	2014
2015	<i>Ir. Dr Ahmad Anuar bin Othman</i>	2016
2016	<i>Ir. Dr Ahmad Anuar bin Othman</i>	2017
2017	<i>Ir. Prof Dr Norlida bt Buniyamin</i>	2018
2018	<i>Ir. Gopal Narian Kutty</i>	2019



Top Membership Drive Award for Recruitment of Corporate Members (Organisation)

Award given to organisation that encourages engineers to be members of this Institution

Year	Recipient	Award given in
2007	Jabatan Kerja Raya Malaysia (JKR)	2008
2008	Sepakat Setia Perunding Sdn Bhd (SSP)	2009
2009	Jabatan Kerja Raya Malaysia (JKR)	2010
2010	Jabatan Kerja Raya Malaysia (JKR)	2011
2011	Technip Geoproduction Sdn Bhd	2012
2012	Jabatan Pengairan dan Saliran Malaysia (JPS)	2013
2013	Jabatan Pengairan dan Saliran Malaysia (JPS)	2014
2015	Tenaga Nasional Berhad (TNB) & Jabatan Pengairan Dan Saliran (JPS)	2016
2016	Tenaga Nasional Berhad	2017
2017	Tenaga Nasional Berhad	2018
2018	Jabatan Kerja Raya Malaysia (JKR)	2019

Most Active Organisation

Year	Recipient	Award given in
2007	Jabatan Kerja Raya Malaysia (JKR)	2008
2008	Sepakat Setia Perunding Sdn Bhd (SSP)	2009
2009	Jabatan Kerja Raya Malaysia (JKR)	2010
2010	Tenaga Nasional Berhad (TNB)	2011
2011	Tenaga Nasional Berhad (TNB)	2012
2012	Universiti Tun Hussein Onn Malaysia (UTHM)	2013
2013	Universiti Tun Hussein Onn Malaysia (UTHM)	2014
2014	Universiti Teknologi MARA (UiTM)	2015
2015	Universiti Teknologi MARA (UiTM)	2016
2016	Tenaga Nasional Berhad	2017
2017	Tenaga Nasional Berhad	2018
2018	Halfen Moment Sdn Bhd	2019



PAST RECIPIENTS

Year Recipients and Projects

- 1985 Jabatan Telekom Malaysia**
Bagi Kabel Dasar-Laut: Projek Kuantan-Kuching
(For the Kuantan-Kuching Submarine Cable System)
- 1985 Jabatan Parit dan Taliair Malaysia**
Bagi Projek Pengairan Muda
(For the Muda Irrigation Project)
- 1986 Lembaga Letrik Negara Tanah Melayu**
Bagi Projek Pembangunan Hidro Elektrik Hulu di Perak
(For the Upper Perak Hydro-Electric Development Project)
- 1987 Lembaga Kemajuan Tanah Persekutuan (FELDA)**
Untuk Peranan Perbadanan Kilang Felda Dalam Pembangunan Industri Minyak Sawit
(For the Role and Contribution of FELDA Mills Corporation (FELMIL) in the Development of Palm Oil Industry)
- 1988 Petroleum Nasional Berhad (Petronas Gas Sdn Bhd)**
Bagi Projek Penggunaan Gas Semenanjung Peringkat Pertama
(For the Peninsular Gas Utilisation Project - Stage 1)
- 1989 Perbadanan Memajukan Iktisad Negeri Terengganu dan Sepakat Setia Perunding Sdn. Bhd.**
Bagi Rekabentuk dan Pembinaan Pelabuhan Tanjung Berhala Malaysia
(For the Design and Construction of the Port of Tanjung Berhala in Malaysia)
- 1990 Lembaga Lebuhraya Malaysia**
Untuk Projek Jambatan Pulau Pinang
(For the Penang Bridge Project)
- 1993 Jabatan Pengairan dan Saliran Malaysia**
Untuk Projek Pembangunan Pertanian Integrasi di Johor Barat
(For the West Johore Intergrated Agricultural Development Project)
- 1993 Tenaga Nasional Berhad**
Bagi Projek Rekabentuk dan Pembinaan Stesyen Kuasa Elektrik Sultan Salahuddin Abdul Aziz – Fasa II
(For The Design and Construction of Sultan Salahuddin Abdul Aziz Power Station Phase II Project)
- 1994 Lembaga Lebuhraya Malaysia dan Projek Lebuhraya Utara-Selatan Berhad**
Atas Projek Lebuhraya Utara-Selatan
(On the North-South Toll Expressway Project)
- 1995 Jabatan Kerja Raya**
Atas Peranan Jabatan Kerjaraya dalam Pembangunan Nasional
(On the Role of JKR in National Development)
- 1996 Malaysian Institute of Microelectronic Systems (MIMOS)**
Atas Perannya Dalam Pembangunan Mikroelektronik dan Teknologi Maklumat
(On Its Role in the Development of Microelectronics and Information Technology)
- 1997 Ethylene Malaysia Sdn. Bhd. dan Polyethylene Malaysia Sdn. Bhd.**
Atas Pembangunan Industri Petrokimia di Malaysia - Pengalaman Pembinaan Tanaman Ethylene/Polyethylene di Malaysia
(For the Development of the Petrochemical Industry in Malaysia – Construction Experience of the Malaysian Ethylene/ Polyethylene Plants)
- 1998 KLCC (Holdings Bhd)**
Bagi Memajukan Projek Menara Berkembar Petronas
(On the Development of the Petronas Twin Tower Project)
- 1999 Kuala Lumpur International Airport Berhad**
Atas Projek Lapangan Terbang Antarabangsa Kuala Lumpur di Sepang
(For the Construction of the Kuala Lumpur International Airport, Sepang)
- 2000 Sistem Transit Aliran Ringan Sdn. Bhd. (STAR) dan Projek Usahasama Transit Ringan Automatik Sdn Bhd (PUTRA)**
Atas Pembinaan Sistem Transit Ringan di Lembah Klang
(For the Construction of the Light Rail Transit Systems in the Klang Valley)
- 2001 Maju Holdings Sdn Bhd**
Menara 1 Maju Perdana – Pencakar Langit Pertama Menggunakan Keluli Buatan Malaysia
(Perdana Tower 1 – The First All Malaysia Steel High Rise)



Year Recipients and Projects

- 2003 Road Builder (M) Sdn Bhd**
Atas Pembinaan Jambatan Kabel 300m Seri Saujana
(On The Construction of Seri Saujana 300m Cable-Stayed Arch Bridge (BR-8) in Putrajaya)
- 2004 Perunding Mahir Bersatu Sdn Bhd gabungan bersama (jointly with) Sinclair Knight Merz Engineering Sdn Bhd**
Atas Rekabentuk Struktur Pusat Konvensyen Antarabangsa Putrajaya
(On The Structural Design of Putrajaya International Convention Centre)
- 2005 M.E.I. Consultants Sdn Bhd**
Atas Kejayaannya Menyiapkan dan Merekabentuk Peralatan Stevian Bioteknikal di Enstek, Negeri Sembilan
(On The Successful Design and Completion of Stevian Biotechnology Facilities in Enstek, Negeri Sembilan)
- 2006 Zelan Construction Sdn Bhd**
Atas Pembentung Luahan Air Pendingin untuk Penjana Kuasa Arang Batu 3 x 700 mw di Tanjung Bin, Johor
(On the Cooling Water Discharge Culvert for 3x700 mw Coal Fired Power Plant in Tanjung Bin, Johore)
- 2007 Multimedia University Malaysia**
Atas Peranan sebagai Universiti Swasta pertama di Malaysia untuk memberi pendidikan kejuruteraan berkualiti
(On Its Role as the First Private University in Malaysia in Providing Quality Engineering Education)
- 2008 T & T Konsult Sdn Bhd**
Atas Rekabentuk, Pembinaan dan Operasi Tapak bagi Projek Pelupusan Sisa Pepejal Sanitary Bukit Tagar
(On the Design, Construction and Operation of Bukit Tagar Sanitary Landfill Project)
- 2010 Syarikat Mengurus Air Banjir & Terowong Sdn Bhd dan Jabatan Pengairan dan Saliran**
Atas Pembinaan & Rekabentuk Projek SMART
(on the Construction and Design of SMART Tunnel Project)
- 2012 M.E.I. Project Engineers Sdn Bhd**
Atas Kejayaan Menyiapkan dan Merekabentuk Peralatan untuk Kejuruteraan, Perolehan, Pengurusan, Pembinaan (EPCM) untuk 127-Ekar Kilang Solar "AUO Sunpower" di Solar Valley Melaka, Taman Perindustrian Rimbia, Alor Gajah, Melaka dengan Keupayaan Pengeluaran Tahunan melebihi 1GW Puncak "Panel Suria Yang Tercepat Di Dunia"
(on the successful Design and Completion for Engineering, Procurement, Construction Management [EPCM] of the 127-Acre AUO Sunpower Solar Plant at Melaka Solar Valley, Rimbia Industrial Park, Alor Gajah, Melaka with Full-Build Annual Capacity in Excess of 1GW Peak 'The World's Most Efficient Solar Panel')
- 2014 Ikhmas Jaya Sdn Bhd**
Atas kejayaan salam rekabentuk dan inovasi Jambatan Ayun Landasan Berkembar di Prai.
(on the successful Design and Innovativeness of the Double Tracking Swing Bridge in Prai)
- 2017 Shell Projects and Technology, Malaysia**
Atas kejayaan dalam rekabentuk dan pembinaan projek "Malikai Deepwater Tension Leg Platform"
(on the successful design and construction of the Malikai Deepwater Tension Leg Platform Project)

PAST RECIPIENTS

Year Recipients and Projects

- 1989** Y.Bhg. Tan Sri Dato' Ir. (Dr) Shamsudin bin Abdul Kadir
Executive Chairman, Sapura Holdings Sdn. Bhd.
- 1990** Ir. Hong Lee Pee
Director and Chief Executive, Pilecon Engineering Bhd.
- 1993** Y.Bhg. Dato' Ir. Prof. Dr Muhammad Ridzuan bin Hj. Salleh
Vice Chancellor, Universiti Teknologi Malaysia
- 1994** Y.Bhg. Tan Sri Dato' Ir. (Dr) Wan Abdul Rahman bin Yaacob
President, Board of Engineers, Malaysia concurrently Director-General of Public Works Department, Malaysia
- 1995** Y.Bhg. Tan Sri Dato' Ir. Hj. Shahrizaila bin Abdullah
Director-General, Department of Irrigation and Drainage
- 1996** Y.Bhg. Dato' Dr Ir. Ahmad Tajuddin bin Ali
Director-General, Standards and Industrial Research Institute of Malaysia



Year Recipients and Projects

1997	Y.Bhg. Dato' Ir. Zaidan bin Hj. Othman Executive Chairman, Time Telecommunications Sdn. Bhd. concurrently Executive Vice Chairman, Kinta Kellas Public Limited Company
1999	Y.Bhg. Tan Sri Dato' Ir. Omar bin Ibrahim President, Board of Engineers Malaysia concurrently Director-General of Public Works Department
2000	YAB Tengku Datuk Ir. Dr Mohd Azzman Shariffadeen bin Tengku Ibrahim President and Chief Executive Officer of MIMOS Berhad
2002	Y.Bhg. Dato Paduka Ir. Prof. (Dr) Hj. Keizrul bin Abdullah Director-General, Department of Irrigation and Drainage
2003	Y.Bhg. Tan Sri Dato' Ir. Hj. Zaini bin Omar Director-General, Public Works Department
2005	Y. Bhg. Tan Sri Dato' Ir. Muhammad Radzi bin Hj. Mansor Chairman, Telekom Malaysia Berhad
2006	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong President of World Federation of Engineering Organisations and Past President, IEM
2007	Y.Bhg. Dato'Sri Ir. Prof. Dr Wahid bin Omar President of BEM and concurrently Director- General of Public Works Department
2010	The Late Ir. Chiam Teong Tee Past President of IEM

PENGANUGERAHAN IEM ATAS SUMBANGAN TERHADAP
PROFESION KEJURUTERAAN DALAM MALAYSIA

IEM AWARD FOR CONTRIBUTION TO
ENGINEERING PROFESSION IN MALAYSIA

PAST RECIPIENTS

Year Recipients and Projects

2015	Utility Water and Waste Water Construction Property Development	Tenaga Nasional Berhad Salcon Sunway Construction Berhad IJM Land Berhad
2016	Wastewater Management Transportation Energy Property Development Water	Ekovest Berhad Gamuda Berhad Pestech International Berhad Sunway Integrated Properties Sdn Bhd Taliworks Corporation Berhad
2017	Property Development Construction Water Energy Transportation	Eco World Development Group Berhad Ekovest Berhad IJM-JAKS Joint Venture Malaysia LNG Sdn Bhd RAPID RAIL Sdn Bhd
2018	Property Development Construction & Proprietary System Water & Wastewater Energy (Power) IT & Communication Consultancy Engineering Practice Material & Proprietary System Facilities Management	Ekovest Berhad BSG Construction (Malaysia) Sdn Bhd T&T Pacific Sdn Bhd Daikin Malaysia Sales & Service Sdn Bhd Bina Initiatives Sdn Bhd One Smart Engineering Sdn Bhd TenCate Geosynthetics Asia Sdn Bhd UEM Edgenta Berhad
2019	Power and Energy Construction & Property Development Consultancy Engineering Practice	Gading Kencana Sdn Bhd Cemseal Industries Sdn Bhd Sepakat Setia Perunding

ANUGERAH MERIT KHAS

IEM SPECIAL MERIT AWARD

PAST RECIPIENTS

Year Recipients and Projects

2013	Minconsult Sdn. Bhd. For the successful completion of the Malaysia's first state of the art automated mail processing hub.
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PAST RECIPIENTS

Year Recipients and Projects

2005	Y.Bhg. Dato' Ir. Prof. Dr Siti Hamisah bte Tapsir
2006	Ir. Ong Kik Hong
2007	Ir. Prof. Dr Siti Hawa bte Hamzah
2009	Y.Bhg. Datuk Ir. Rosaline Ganendra
2013	The Late Ir. Molly Sim Lim Hong
2014	Ir. Magdalene Tan Lee
2015	Ir. Assoc Prof Hayati bt Abdullah
2016	Ir. Assoc. Prof. Dr Norlida bt Buniyamin
2018	Ir. Prof Dr Leong Wai Yie

PENGANUGERAHAN KEJURUTERAAN MUDA IEM

IEM YOUNG ENGINEER AWARD

PAST RECIPIENTS

Year Recipients and Projects

1991	Y.Bhg. Academician Dato' Ir. Prof. Dr Chuah Hean Teik	
1995	Prof. Dr Marzuki bin Khalid	
2004	Ir. Dr Koo Voon Chet	- Industry award
2004	Ir. Prof. Dr Ramesh Singh	- Academic award
2006	Dr Luqman Chuah bin Abdullah (Chuah Teong Guan)	- Academic award
2006	Dr Goh Swee Por	- Industry award
2008	Ir. Prof. Dr Law Chung Lim	- Academic award
2009	Dr Vigna Kumaran s/o Ramachandramurthy	- Academic award
2009	Ir. Teh Tzyy Wooi	- Industry award
2010	Ir. Prof. Dr Dominic Foo Chwan Yee	- Academic award
2012	Ir. Dr Lee Tin Sin	- Academic award
2013	Ir. Catherine Sim Siew Ping	- Industry award
2013	Mr. Roland Ngeow Yen Wan	- Academic award
2014	Ir. Yau Chau Fong	- Industry Award
2014	Ir. Mohd Farriz bin Hj Md Basar	- Academic Award
2015	Ir. Lai Woon Fatt	- Industry Award
2015	Dr Ng Kok Sum	- Academic Award

PENGANUGERAHAN KEJURUTERAAN ASEAN

THE ASEAN OUTSTANDING ENGINEERING ACHIEVEMENT AWARD

PAST RECIPIENTS

Year Recipients and Projects

1994	Tenaga Nasional Berhad (<i>Organiser- Pertubuhan Ukur, Jurutera dan Arkitek</i>) [PUJA] The Design and Construction of Sultan Salahuddin Abdul Aziz Power Station Phase II Project - awarded in Bandar Seri Begawan, Brunei Darussalam
1995	Y. Bhg. Tan Sri Dato' Ir. (Dr) Shamsuddin Abdul Kadir (<i>Organiser – The Institution of Engineers, Indonesia</i>)[PII] - awarded in Bandung, Indonesia
1996	Malaysian Resources Corporation Berhad - (<i>Organiser – The Institution of Engineers, Malaysia</i>)[IEM] The Construction of the SEGARI Power Station - awarded in Malacca, Malaysia
1997	Jabatan Kerja Raja (<i>Organiser – The Engineering Institute of Thailand</i>)[EIT] The Role of the Public Works Department, Malaysia in National Development - awarded in Chiangmai, Thailand
1998	Malaysian Institute of Microelectronic Systems (<i>Organiser – The Philippines Technological Council</i>)[PTC] Its Role in the Development of Microelectronics and Information Technology - awarded in Angeles City, Philippines
1999	K. L. International Airport Berhad (<i>Organiser – The Institution of Engineers, Singapore</i>)[IES] The Construction of the Kuala Lumpur International Airport - awarded in Raffles City, Singapore



Year	Recipients and Projects
2000	Projek Usahasama Transit Ringan Automatik Sdn Bhd (PUTRA) (Organiser – Vietnam Union of Science and Technological Associations)[VUSTA] The Construction of the Light Rail Transit System 2 - awarded in Hanoi, Vietnam
2001	Y.Bhg. Tan Sri Dato' Hj. Ir. Zaini bin Omar (Organiser – Pertubuhan Ukur, Jurutera an Arkitek)[PUJA] - awarded in Bandar Seri Begawan, Brunei Darussalam
2001	Y. Bhg. Academician Dato' Ir. Lee Yee Cheong (Organiser – Pertubuhan Ukur, Jurutera dan Arkitek)[PUJA] - awarded in Bandar Seri Begawan, Brunei Darussalam
2002	Y.Bhg. Dato' Paduka Ir. Prof. (Dr) Hj. Keizrul bin Abdullah (Organiser – Engineering Institute of Cambodia)[EIC] - awarded in Phnom Penh, Cambodia
2005	MEI Consultants Sdn Bhd (Organiser – Laos Union of Scientists and Engineers Association)[LUSEA] On The Successful Design and Completion of Stevian Biotechnology Facilities in Enstek, Negeri Sembilan - awarded in Vientiane, Lao PDR
2006	Perunding Mahir Bersatu Sdn Bhd jointly with Sinclair Knight Merz Engineering Sdn Bhd (Organiser – The Institution of Engineers, Malaysia)[IEM] On The Structural Design of Putrajaya International Convention Centre - awarded in Kuala Lumpur, Malaysia
2006	Fraser and Neave Berhad (Organiser – The Institution of Engineers, Malaysia)[IEM] For Zon-e @ Fraser Biz Park Development - awarded in Kuala Lumpur, Malaysia
2007	Multimedia University Malaysia (Organiser – The Philippines Technological Council)[PTC] On Its Role as the First Private University in Malaysia in Providing Quality Engineering Education - awarded in Cebu, Philippines
2007	Y. Bhg. Dato' Ir. Dr Gue See Sew (Organiser – The Philippines Technological Council)[PTC] For his contribution to ASEAN Engineers Register (AER) and ASEAN Federation of Engineering Organisation (AFEO) as well as in the Asia Pacific Economy Corporation (APEC)/Engineers Mobility Forum (EMF) - awarded in Cebu, Philippines
2008	T & T Konsult Sdn Bhd (Organiser – The Engineering Institute of Thailand)[EIC] On the Design, Construction and Operation of Bukit Tagar Sanitary Landfill Project - awarded in Bangkok, Thailand
2010	Ir. Choo Kok Beng Organiser – Vietnam Union of Science and Technological Associations)[VUSTA] For his contribution to ASEAN Engineers Register (AER) and ASEAN Federation of Engineering Organisation (AFEO) - awarded in Hanoi, Vietnam
2011	Syarikat Mengurus Air Banjir & Terowong Sdn Bhd and Department of Irrigation and Drainage [JPS] (Organiser- Pertubuhan Ukur, Jurutera dan Arkitek) [PUJA] On the Construction and Design of SMART Tunnel Project - awarded in Bandar Seri Begawan, Brunei Darussalam
2012	M.E.I. Project Engineers Sdn Bhd (Organiser – Board of Engineers, Cambodia)[BEC] On the Successful Design and Completion for Engineering, Procurement, Construction Management [EPCM] of the 127-Acre AUO Sunpower Solar Plant at Melaka Solar Valley, Rembia Industrial Park, Alor Gajah, Melaka with Full-Build Annual Capacity in Excess of IGW Peak 'The World's Most Efficient Solar Panel' - awarded in Phnom Penh, Cambodia
2014	Ikhmas Jaya Sdn Bhd On the Successful Design and Innovativeness of the Double Tracking Swing Bridge in Prai - awarded in Yangon, Myanmar
2015	Jambatan Kedua Sdn Bhd (Organiser – The Institution of Engineers, Malaysia)[IEM] On the successful Design and Construction of the Second Penang Bridge Project - awarded in Penang, Malaysia
2015	PPAMPS, Ministry of Energy, Green Technology and Water Malaysia (Organiser – The Institution of Engineers, Malaysia)[IEM] On the successful Design and Construction of the Pahang-Selangor Raw Water Transfer Project - awarded in Penang, Malaysia
2015	Jabatan Bekalan Air KETTHA and Angkasa Consulting Services Sdn Bhd (Organiser – The Institution of Engineers, Malaysia)[IEM] For Outstanding Achievement in managing the Challenges in the Design, Construction and Supervision of Mengkuang Dam Expansion Project - awarded in Penang, Malaysia
2015	Perbadanan Bekalan Air Pulau Pinang Berhad (Organiser – The Institution of Engineers, Malaysia)[IEM] On the Successful Design and Construction of the Sungai Dua Water Treatment Plant - awarded in Penang, Malaysia



Year Recipients and Projects

- 2015** Y.Bhg Dato' Wong Siew Hai (*Organiser – The Institution of Engineers, Malaysia [IEM]*)
For his success as an Outstanding Engineer and Industry Leader who has devoted constantly to the Society and Community in Malaysia
- awarded in Penang, Malaysia
- 2017** Academician Dato' Ir. Prof. Dr. Chuah Hean Teik (*Organiser – The Engineering Institute of Thailand [EIT]*)
- awarded in Bangkok, Thailand
- 2017** Shell Projects and Technology, Malaysia- (*Organiser – The Engineering Institute of Thailand [EIT]*)
For the successful Design and Construction of the Malikai Deepwater Tension Leg Platform Project)
- awarded in Bangkok, Thailand

PENGANUGERAHAN JURUTERA TAHUNAN FEIAP

FEIAP ENGINEER OF THE YEAR AWARD

PAST RECIPIENTS

Year Recipients and Projects

- 2010** Y.Bhg. Dato' Ir. Dr Gue See Sew
- 2014** Y.Bhg. Dato' Paduka Ir. Hj Keizrul bin Abdullah
- 2017** Y.Bhg. Academician Dato' Ir. Lee Yee Cheong
- 2019** Y.Bhg. Academician Tan Sri Dato' Ir. Prof Dr Chuah Hean Teik

HASSIB J SABBAGH AWARD FOR
ENGINEERING CONSTRUCTION EXCELLENCE

WORLD FEDERATION OF
ENGINEERING ORGANISATION (WFEO) AWARD

PAST RECIPIENTS

Year Recipients and Projects

- 2003** Construction of Small Dam and Irrigation facilities and Related Works at MARDI Station Jelebu, N 9 by Department of Irrigation and Drainage
Y.Bhg. Dato' Paduka Ir. Prof (Dr) Hj. Keizrul bin Abdullah
Y.Bhg. Dato' Ir. Batumalai a/l Ramasamy
Ir. Mohd. Azhari bin Ghazali

MEDAL OF EXCELLENCE IN
ENGINEERING EDUCATION

WORLD FEDERATION OF
ENGINEERING ORGANISATION (WFEO)

PAST RECIPIENTS

Year Recipients and Projects

- 2019** Y.Bhg. Academician Tan Sri Dato' Ir. Prof Dr Chuah Hean Teik



**MINUTES OF 60TH ANNUAL GENERAL MEETING OF THE INSTITUTION OF ENGINEERS,
MALAYSIA HELD ON 20 APRIL 2019 AT MALAKOFF AUDITORIUM,
GROUND FLOOR, WISMA IEM, PETALING JAYA AT 9.00 AM**

MEMBERS PRESENT – AS PER APPENDIX A

1.0 OPENING ADDRESS BY THE PRESIDENT

1.1 The President, Ir. David Lai Kong Phooi thanked and wished a happy birthday to the members present for the 60th AGM. He welcomed all the immediate and past Presidents, the IEM Branch Chairmen as well as the members present in all the three (3) different rooms for attending the AGM. He further informed that the three (3) different rooms were being used for the AGM, namely the Tan Sri Prof Ir. Chin Fung Kee Auditorium located on the 3rd Floor, the C&S/TUS Lecture Room on the 2nd floor and lastly the Malakoff Auditorium on the ground floor, which was the main room for the AG.

The President further informed that video conferencing would be held in the two (2) rooms on the third floor and second floor respectively (*Tan Sri Prof Ir. Chin Fung Kee Auditorium and C&S/TUSTD Lecture room*). The President also informed that Secretariat staff were stationed in each of the rooms to assist members during the AGM especially on posing questions as well as confirming the minutes of the last AGM. The President also reminded that Members who wish to raise questions must be Corporate Members and they should provide their name and membership number during the Question and Answer (Q&A) sessions for record purposes. The President then proceeded to present the overall report/updates on IEM for session 2018/2019.

1.2 Updates on IEM for Session 2018/2019

The President informed that the current standing of the IEM membership have exceeded more than 50K with the exact figure of 50,281 members comprising of the various grades. He further informed that the membership had surpassed 50% of the 100K figure initiated by the past president, Ir. Vincent Chen Kim Kieong for the year 2020.

The AGM was also informed that IEM had recently signed quite a number of a Memorandum of Understanding (MoU) with Tunku Abdul Rahman University College (TAR UC) on 7 May 2018, SEGi University on 1 June 2018, the Iraqi Engineers Union on 12 July 2018 and Manipal University on 8 August 2018. In addition to this, IEM had also signed MoUs with the China Association of Science and Technology on 22 November 2018 in Xian, China and with a few of the local Institutions of Higher Learning (IHLs) namely, Universiti Perlis Malaysia (UniMAP) on 26 October 2018 in Kangar, Perlis in the presence of His Highness, Raja Muda Perlis and MAHSA University on 22 December 2018.

The President further informed the AGM that IEM had conducted visits and attended dialogues with the various Ministries such as Malaysia International Trade Industry (MITI) and KeTTHA, Secretary General, Datuk Seri Ir. Dr Zaini Ujang on 1 June 2018, a courtesy visit to Ir. Yeo Bee Yin, Minister of Energy, Science Technology and Environment Change on 3 August 2018. IEM also received a courtesy visit from Dr Rishi Gupta, Chairman of International Affairs Committee, Canadian Society for Civil Engineering on 28 August 2018.

The AGM was also informed that on 26 October, IEM paid a visit to the CIDB Chairman, Y.Bhg Tan Sri Dr Ir Ahmad Tajuddin Ali on 26 October 2018 and on 29 October 2018, IEM visited Yang Amat Berhormat (YAB) Tun Dr. Mahathir Mohamad, the honorable Prime Minister of Malaysia. IEM also received courtesy visits from the Nigerian Society of Engineers on 19 November 2018 and from the Chinese Institute of Electronics on 12 December 2018.

Other courtesy visits to the government bodies/offices included the Dewan Bandaraya Kota Kinabalu (DBKK), Ministry of International Trade and Industry (MITI), Chief Minister of Penang's office, Ministry of Works, Ministry of Primary Industries, Ministry of Youth and Sports. The President also visited all the twelve (12) IEM Branches.

Meetings and dialogue sessions with other foreign professional bodies included National Association Engineers of Timor Leste (ANETL), Engineers Australia and American Society of Civil Engineer (ASCE). On 5 July 2018, the IEM paid a courtesy visit to Menteri Besar of Perak, YAB Tuan Ahmad Faizal bin Dato' Azumu and on 13 June 2018 IEM visited the Perak State Exco namely YB Dato' Seri Ir Haji Mohammad Nizar Jamaludin, YB Tuan Tan Kar Hing and YB Tuan Paul Yong Choo Kiong.

The President further briefed the AGM that IEM participated in the following international events and meetings that took place during the session 2018/2019:

- *26th FEIAP General Assembly (GA) from 11 - 14 July 2018 in Perak, Ipoh. The Menteri Besar of Perak represented by Perak State Exco Dato' Seri Ir. Mohammad Nizar Jamaluddin officiated the opening of the FEIAP GA and presented the Keynote Lecture.*
- *2nd International Conference on Women in Science, Engineering and Technology*
- *WISET 2018 was held from 17-19 July 2018 at the Kuala Lumpur Convention Centre and officiated by Y.B. Puan Hannah Yeoh, Deputy Minister of Women, Family and Community Development on behalf of the Deputy Prime Minister*
- *IEM Family Day was held at Persada PLUS on Sunday 29 July 2018*



- The IEM Engineers Run was successfully held on 12 August 2018 at Stadium Universiti Putra Malaysia, attended by over 1,000 participants
- The IEM STEM Competition and the closing ceremony of the IEM Engineering Week 2018 was held on 18 August 2018 at Monash University Malaysia, Petaling Jaya
- CAFEO 36 was held from 12 - 14 November 2018, Singapore. Conferment of AFEO Distinguished Honorary Patron 2018 to YAB Tun Dr Mahathir Mohamad, Prime Minister of Malaysia was held on 13 November 2018, Singapore

With regards to media engagement, IEM continued to produce press statements and articles for the session 2018/2019.

2.0 CONFIRMATION OF MINUTES OF 59th ANNUAL GENERAL MEETING HELD ON 21 APRIL 2018

The President invited members present to go through the minutes of the previous AGM which was printed on pages 73 until page 83. The AGM was also requested to go through the attendance list from pages 84 to 87 and also the Bahasa Malaysia version which was on pages 88 to 98.

Ir. Peter Han Seng Kong (F13421) informed that there was an error in item 4.5 (page 75) of the minutes. He further informed the AGM that he was not the Chairman for the Sub Committee on Log Book. Ir. Abdul Razak bin Yakob was the Chairman.

Ir. Gan Tian Eng (M04904) pointed out that his title as per the Attendance List in page 85 should be stated as "Ir." and not "Mr." He commented that there were a quite a number of members whose titles were "Mr." instead of "Ir.". President informed that the necessary amendments would be made on the titles.

Ir. Mohamed Ali bin Yusoff (F01974) informed that his name was not in the Attendance List but he attended the last AGM. The President agreed that the amendment would be made on the Member's attendance.

As there were no further errors highlighted in the minutes, YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) proposed that the minutes of the 59th Annual General Meeting held on 21 April 2018 be confirmed and adopted. The motion was seconded by Ir. Dr Lee Yun Fook (F38707).

2.1 Confirmation of Minutes of the Special General Meeting held on 14 October 2017

The President then invited members present to go through the minutes of the previous Special General Meeting from pages 101 to 102 and the Bahasa Malaysia version which was on pages 103 to 104.

YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) raised the question for item 1.4.2 of the Special General Meeting minutes whether Article 4.3 was approved. He commented that the way it was written indicated that it was not approved. He further informed that the suggestion he made at the said meeting with the added phrase "*.....which are in line with the objective of the Institution*" was actually not approved whereas the original proposal was approved by the Registrar of Societies (ROS). Hence, the President agreed that the following should be amended accordingly:

"Voting was carried out on the original proposal and the results were as follows":

Since there were no further amendments/errors highlighted in the minutes, Ir. Razmahwata bin Mohamad Razalli (F17029) proposed that the minutes of the Special General Meeting held on 14 October 2017 be confirmed and adopted. The motion was seconded by Ir. Ho Choon Kwang (M17178).

3.0 MATTERS ARISING

The President went through and provided clarifications on the following items:

59th Annual General Meeting held on 21 April 2018

Page 76 – 4.19.1

Simplifying Process for Membership

The AGM was informed that steps had been taken to simplify the process and the submission of forms. It was noted that the increase of membership for the grade of Senior Member was still rather low with only four (4) applications received.

With regard to the change of name for the grade of Companion, the AGM was informed that the proposal would be discussed under Amendments to Constitution.

In relation to the leakage of membership, IEM had looked to various means of retaining members - one of them was to provide better benefits. A number of merchant discounts had been obtained for IEM members. To further provide benefit for Student Members, IEM had implemented action to send employment opportunities direct to Student/Members who fit the requirements listed by the employers.



IEM was also working with Talentcorp where they channel employment opportunities available to IEM for onward transmission to members. The Standing Committee on Admissions and Practical Training (APT) was also working on making Graduate Membership more meaningful by introducing the E-Mentoring (*currently in the process of implementation*).

In addition to the above, the Logbook scheme rebranded as the Engineering Competency Development was being improved to provide better guide/assistance to the Graduate Members. There was also an award given to the Mentors to encourage more members to come forward to volunteer as Mentors.

Ir. Vincent Chen Kim Kieong (HF05128) raised some comments on item 4.19.1 especially on Senior Member on reducing the subscription from RM210.00 to RM155.00 and simplifying the process to make it automatic. He felt that not much had been done to address these issues. Ir. Vincent Chen Kim Kieong (HF05128) cited the one of the requirements as stipulated in the IEM Constitutions and Bylaws for Senior Member was that the Member must have at least ten (10) years' experience or fifteen (15) years' experience and with three (3) years as MIEM.

Ir. Vincent Chen Kim Kieong (HF05128) felt that the figure for this membership grade was low due to mainly on the subscription which was high and also the submission of the Senior member application form. Hence, he suggested that Council to look into this matter again that is to reduce the subscription to be the same as MIEM and also to have the processing of the application done automatically.

He felt that if nothing were to be done, there would not be any member applying for this grade of Senior especially for those who were qualified for this grade.

With regard to the grade of Companion, Ir. Vincent Chen Kim Kieong (HF05128) informed the AGM that he was agreeable that the name would be changed to Senior Graduate Member. However, he appealed that this membership could also be processed automatically. He also informed that Graduate members with requirement of eight (8) years' experience could be automatically be transferred to this grade (*Senior Grad Member*). He hoped that Council could look into this matter.

Ir. Vincent Chen Kim Kieong (HF05128) further queried on the IEM membership. He cited that last year's figure was 46,555 and this year just it reached to 50,000. However, he further explained that should the figure of 21,000 for student members were to be removed, the remaining figure was the actual number of engineers in IEM's membership.

The AGM was further informed that the number of Graduate Engineers registered with BEM was approximately 116,708 compared to IEM Graduate members of 9584, which was 8.2%. He further explained that the total number of engineers from 2015 - 2019 (*minus the student membership figures*) was 20,752 (for 2015), 19,864 (for 2016), 21,280 (for 2017), 21,872 (for 2018) and 21,448 for 2019 which was even lower compared to 2018. Ir. Vincent Chen Kim Kieong (HF05128) commented that basically IEM's membership in terms of engineers had never increased or grown for the last five (5) years. He felt that this was considered a serious matter and the IEM Council and Excomm should look into increasing IEM's membership especially for the engineers.

The President then thanked Ir. Vincent Chen Kim Kieong (HF05128) for his comments and suggestions. The President mentioned where MIEM was concerned, there was an increase of 800 plus members (*from 10,230 to 11,048*). With reference to Ir. Vincent Chen Kim Kieong concerns, the President explained that the figure of 116,708 of Graduate Engineers registered with BEM was mainly from the bulk registrations done by BEM at the universities. It was noted that the certain amount was given to the university for the next five (5) years to produce the best engineers. The President further explained that although IEM might not be able to follow what BEM had done, IEM had introduced book prize awards as well as providing scholarships for the graduating students. Hence, the President felt that the bulk registration by BEM had affected IEM's graduate membership recruitment. The President also informed that IEM had done an extra initiative whereby in the event there was a signing ceremony of the MoU with the university, IEM would set up registration booths to register the graduating students who would then be transferred to Graduate members.

On the issue concerning the reduction of the subscription fee of the Senior Member, the President agreed that there should be a more easier process for the upgrade to the said membership grade and would look into it.

YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) pointed out that registration with the Board of Engineers, Malaysia (BEM) was a statutory requirement for all the graduate engineers to be employed as engineers. Whereas IEM being a professional learned society, it was not compulsory to apply for graduate membership. Secondly, YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) stressed that registration with BEM was a one-time payment.

However, for IEM, there was a need to pay the annual subscription. YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) felt that this could be one of the reasons why IEM is not being able to get number for Graduate membership.

YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) hoped that IEM's effort in getting engineering students to apply would eventually increase the Graduate membership once they graduate and in return IEM should ensure to provide more activities and benefits for these group of members.

YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) further informed the AGM that it was IEM that started the bulk registration and not BEM. IEM then had signed many Memorandums of Understanding (MoUs) with the universities. In return, IEM introduced the title "Engr." specially for the Graduate Members. However, the BEM followed suit.



Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) suggested that the President should withdraw the amount he mentioned on BEM providing certain amount of funds to the universities. The President agreed to do so.

Y.Bhg. Dato' Ir. Lim Chow Hock (HF02531) praised the effort of Council to increase membership although he felt that the Graduate membership did not increase much for the past few years. Nevertheless, he agreed with YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik's (HF09157) suggestion that there was a need to capture the graduating students during their graduation so that they would eventually upgrade to Graduate members. This would then increase the graduate membership.

Ir. Mohd Radzi Salleh (F20112) agreed that there was not much increase in the Graduate and Corporate members. Hence, he suggested that there was a need to know why most of the engineers were reluctant to join IEM as members although IEM had implemented the loyalty cards for the members and other initiatives. He stressed that IEM needs to address this issue on the drop-out and find solutions on how to retain them.

Ir. Pick Eng Chong (HF01214) also agreed with Ir. Vincent Chen Kim Kieong's (HF05128) comments that there was not much changes on the number of Graduate members in the IEM membership. He suggested that the new Council could look into introducing a mechanism that could increase the number of graduate members.

4.0 ANNUAL REPORT FOR SESSION 2018/2019

The President then invited the Honorary Secretary, Ir. Mohd Khir bin Muhammad to present the various activities and events organised in 2018 which was printed on pages 105 to 108 of the Annual Report. The Honorary Secretary further informed the AGM on the respective headings/items of the following pages:

4.1 Council and Excomm

For the session 2018/2019, a total of five (5) Council meetings were held. The Council at their meetings discussed matters related to management of properties and affairs of the Institution. Excomm had thirteen (13) meetings for session 2018/2019 and the role of Excomm was to implement and carry out the decisions of the Council.

4.2 Day-to-Day Running of the Institution

Excomm continued to be assisted by eight (8) Standing Committees in the day-to-day operations. Each of the Standing Committees is chaired by a Vice President with the Finance Committee being chaired by the Deputy President.

4.3 Membership

The Honorary Secretary further informed that the total membership was 50,281. The AGM noted that up to 31 December 2018, a total of 7,263 candidates were approved for admission/election/transfer to the various grades. However, 2,617 members were in arrears of membership and needed to be suspended. Out of the new members recruited, 4,563 were students.

In terms of breakdown of membership by grades, the Honorary Secretary informed that Student membership had the most percentage that is 55% followed by Corporate Members (24%), Graduate (19%), Companion (1%) and the other grades (0.4%).

With regards to the breakdown in membership by discipline, Civil had the highest number (15,891) followed by Mechanical (12,270), Electrical (7,895), Chemical (3,270) and other disciplines (9,286).

4.4 International Registers

For the international registers and affiliations, it was recorded that for the year 2018, 24 members had signed up as ASEAN Engineers (ASEAN Eng), and 16 were approved for the Associate ASEAN Engineers (AAE) while 32 were approved for IPEA/ APEC International Engineer Registers (IntPE).

4.5 Examinations and Qualifications – Professional Interview

AGM noted that for session 2018/2019, a total of 1265 applied to sit for the Professional Interview (PI). A total of 755 candidates have passed which made up rate of 83.5%. The number of candidates who failed the PI was 210 which made up a failure rate of 16.5%. A total of 223 candidates were still waiting for their results.

4.6 IEM Publication

The Honorary Secretary informed the AGM that twelve (12) issues of the "Jurutera" - IEM Bulletin had been published in 2018. It was further reported that one (1) issue of the Journal was published in 2018. The AGM was further informed that IEM was looking into electronic copy of the Bulletin instead of the hard copy - not only as a cost control measure but also to be more environmental friendly.



4.7 Upcoming Events

The Honorary Secretary further informed on the upcoming events as follows:

- 60th IEM Annual Dinner, Sunway Resort Hotel & Spa on 20 April 2019
- IEM Family Day 2019 on 14 July 2019
- IEM Engineers Run 2019 on 4 August 2019
- IEM Engineering Week 2019 from 4 – 10 August 2019
- IEM STEM Competition 2019 on 28 August 2019

4.8 Presidential Award of Excellence

The Honorary Secretary then announced the results of the 2018 Presidential Award of Excellence as follows:

Winner	<i>Electrical Engineering Technical Division</i>
2nd Place	<i>Geotechnical Engineering Technical Division</i>
3rd Place	<i>Civil and Structural Engineering Technical Division</i>
4th Place	<i>Building Services Engineering Technical Division</i>
5th Place	<i>Women Engineers Section</i>
Most Improved	<i>Agricultural and Food Engineering Technical Division</i>

4.9 Affinity Programme and Corporate Discounts

The Honorary Secretary informed that as part of IEM's efforts to provide more benefits for IEM members, a number of merchants have been signed up to provide discounts to IEM members on various categories such as automobiles (*BMW, Mercedes-Benz, Volvo, Audi, Proton, etc.*), hotels, healthcare, restaurants and sportswear. The members who have yet to collect their Loyalty Cards were requested to do so at the IEM Secretariat.

The AGM was further informed that there were other benefits in placed for members such as:

- *Job Gallery that allows members to upload their resume into the Resume Bank. This is when the employers send in the vacancy information to IEM, it would be sent by email blast to the suitable members.*
- *companies who had signed MoUs with IEM are able to send vacancy advertisements for posting on the IEM website*
- *working with Talentcorp who directs employers who were seeking to employ engineers to IEM*

4.10 Memorandum of Understanding (MoU)

The Honorary Secretary informed the AGM that IEM had signed three (3) Memorandum of Understanding (MoU) with foreign professional bodies and nine (9) with the Institutions of Higher Learning (IHL) for the year 2018.

4.11 IEM Branches – Events and Visits

The AGM was informed that the Miri Branch purchased a new premise in 2018. It was also noted that the IEM Perak Branch hosted the FEIAP General Assembly 2018. The AGM was also informed that the President had visited the twelve (12) IEM Branches for the session 2018/2019.

The Honorary Secretary then conveyed his appreciation to the IEM Secretariat their support and services for the Institution.

4.12 Questions Session – Annual Reports

The President then thanked the Honorary Secretary and proceeded to invite questions from the floor at the Malakoff, the Chin Fung Kee Auditorium and the 2nd floor.

- 4.12.1 Ir. Vincent Chen Kim Kieong (HF05128) requested to refer to page 110 under item 5.4. He praised the Sub Committee on Membership Drive and Promotions for their endless effort in increasing membership that included having a session with the Institutions of Higher Learning (IHLs), having roadshows and membership drive recruitment exercises, initiating Memorandum of Understanding (MoU) with the IHLs as well as with organisations. In view of this, Ir. Vincent Chen Kim Kieong (HF05128) congratulated the Sub Committee.

He then suggested that the issue on Graduate membership should be a permanent item in the Agenda of the relevant Committees mainly the Standing Committee, the Executive Committee (Excomm) and the Council. This was to ensure that this particular issue be discussed thoroughly so as to assist the Sub Committee to increase Graduate membership.

Ir. Prof Dr Norlida Buniyamin (F13746) explained that the Standing Committee on Welfare and Service Matter had assisted on engaging merchants for the loyalty card as one of the latest part of the latest benefit introduced for the members. She pointed out that there were various factors that could lead to the decrease of Graduate members. Nevertheless, the Standing Committee on Admissions and Practical Training (APT) would continue to assist the Sub Committee to recruit members. The President also informed that he had been visiting the government agencies and hoped that for the next twelve (12) months he would do his best to engage engineers from the government and private sector to join IEM. The President then thanked Ir. Vincent Chen Kim Kieong (Hon.F05128) for raising his concerns on this issue.



Ir. Choo Kok Beng (HF02828) commented that the most important question to ponder was how much IEM would be able to give its members. He further informed that IEM should change its direction as well as the members' way of thinking.

YBhg. Dato' Ir. Pang Leong Hoon (HF00015) informed that IEM should be more proactive and vigorously promote IEM membership to the government agencies as well as the private sectors of the engineering field. The President agreed that IEM needs to raise its image in the engineering fraternity.

Ir. Vincent Chen Kim Kieong (HF05128) sought explanation on page 125 on the Special Committee on Amendments to Constitution and Bylaws. He queried on the manner/process on how the decisions or proposals were made and thereafter presented to the Standing Committee on Professional Practice.

The President further explained that the recommendations made by the Special Committee on Amendments to Constitution and Bylaws would be presented to Excomm for comments and thereafter to Council for approval/endorsement. Should there be any comments by Council, the issue would be reverted to Excomm and thereafter to the Special Committee for their onward action.

However, Ir. Vincent Chen Kim Kieong (HF05128) further queried on the number of meetings held and the composition of the Special Committee on Amendments to Constitution and Bylaws. He commented on page 26 of the Annual Report, that there was only one (1) person serving in the Special Committee and questioned whether there were more members.

Ir. Lai Sze Ching (F04687) further explained that he was the only person serving in the Special Committee on Amendments to Constitution and Bylaws and his task was to amend the IEM Constitutions and Bylaws should there be any request for amendments by the Excomm or the Council. Should there be any amendments, the Special Committee comprising of Ir. Lai Sze Ching would recommend to Excomm. It was noted that Excomm would further deliberate before proceeding to present to Council for approval.

YBhg. Academician Dato' Ir. Lee Yee Cheong (DHF00220) further informed the AGM that the Special Committee on Amendments to Constitution and Bylaws had been a one (1) man Committee since the time of the late Academician Tan Sri Ir. (Dr) J. G. Daniel. However, YBhg. Academician Dato' Ir. Lee Yee Cheong (DHF00220) explained that there were times that the Special Committee had more members but it would depend on issue for discussion. He commented that members from the AGM or the Council should query on the process instead of the Past President who would have known the process.

Ir. Pick Eng Chong (HF01214) further commented that during his time, the Special Committee on Amendments to Constitution and Bylaws had more members who had legal experience or background as Excomm did not have the time to deliberate on legal matters. Hence, he felt that this issue would need to look into.

President then explained that Excomm had deliberated on issues concerning the amendments to the Constitution and Bylaws as recommended by the Special Committee and thereby have eventually presented to Council for further comments.

Ir. Vincent Chen Kim Kieong (HF05128) responded to YBhg. Academician Dato' Ir. Lee Yee Cheong's (DHF00220) on his statement that Past Presidents should know the process better. He further commented that the Special Committee on Amendments to Constitution and Bylaws was considered an important Committee as any changes made to the constitution would affect the direction of the Institution. The AGM was further informed when the Special Committee was chaired by the late Academician Tan Sri Ir. (Dr) J. G. Daniel, YBhg. Dato' Ir. Pang Leong Hoon also served in the said Committee. Ir. Vincent Chen Kim Kieong (HF05128) further explained that during his tenure as President from the year 2011 - 2013, Ir. Pick Eng Chong had five (5) to six (6) members serving in the Special Committee. Hence, Ir. Vincent Chen Kim Kieong (HF05128) suggested that there should be more members serving in the Special Committee rather than just one (1) person that had been operating for the past four (4) years. President took note of his suggestion.

Ir. Dr Tan Yean Chin (F11712) pointed out that it would be up to the AGM to decide whether to accept or reject the IEM Constitution and Bylaws that had been drafted by the Special Committee. Nevertheless, he also agreed that there should be more than one (1) member serving in the Special Committee in order to have more views/inputs.

Ir. Cader Mohideen Mohamed Aboobucker (M13942) informed the AGM that he was the member of the Special Committee on Amendments to Constitution and Bylaws chaired by the late Academician Tan Sri Ir. (Dr) J. G. Daniel and thereafter by YBhg. Dato' Ir. Pang Leong Hoon. However, he further informed that he never received any letter stating that he was no longer in the Special Committee. President suggested that Ir. C.M. Aboobucker (M13942) could be invited again to serve in the Special Committee Amendments to Constitution and Bylaws. On separate issue, Ir. C.M. Aboobucker (M01394) queried on page 106 on the engineering discipline - "Fuel" as there were two (2) Fellows and the other on "General" and "Others" on page 107. He sought clarification on the classification of the mentioned engineering disciplines.

The President explained that the classification was tied with the BEM. Nevertheless, President agreed to obtain more detailed information on the mentioned engineering disciplines.

Since there were no further comments or questions from the floor, Ir. Dr Tan Yean Chin (F11712) proposed that the Annual Report be adopted. The motion was seconded by Ir. Wong Chee Fui (F20903).



5.0 ACCOUNTS FOR THE YEAR ENDED 31 DECEMBER 2018

5.1 The President then invited the Honorary Treasurer, Ir. Dr. Tan Chee Fai to present the financial statements for The Institution of Engineers, Malaysia for the period 1st January 2018 to 31st December 2018. Ir. Dr Tan Chee Fai further informed the AGM that the accounts presented would be from pages 164 to 191.

5.2 The Honorary Treasurer informed the AGM that the financial statements presented comprised of two sets of accounts. It was noted the figures did not include the financial position of the IEM Branches. The AGM was further informed that the Branches would file their own set of financial statements with the IRB of their respective States. The Honorary Treasurer further informed that the columns denoted by "Group" referred to the consolidated accounts of the IEM Headquarters, IEM Training Centre and IEM Academy Sdn Bhd.

The Honorary Treasurer further explained that there were some columns where there were figures under "Institutions" but blank under "Group" due to the figures being payment/receipt between IEM, IEM Training Centre (TC) and IEM Academy Sdn Bhd (ASB) which were eliminated on consolidation.

5.3 The Honorary Treasurer reported that the total income for 2018 was approximately RM5,113,070. It was further reported that the memberships' subscription was the biggest amount with 65% of the total income for IEM, followed by the rental income of 12.4% and thereafter the institutional services which was 8.8%. The Honorary Treasurer further reported that the total income was higher in 2018 compared to 2017 due to the sales of the IEM Penang Branch property, the dividend from IEM TC and also the rental income from Wisma IEM.

5.4 The Annual Subscriptions collection for the year 2018 had increased to 4.2% compared to 2017. The Honorary Treasurer further reported that the rental income has dropped 45%, interest income which decreased to 43%, credit card commission increased to 1.4%, income from institutional services increased to 26%, Secretariat services increased to 48% and the income from Technical Division increased to 22%.

5.5 The Honorary Treasurer further informed that the total expenses for 2018 was RM6,081,431, an increase of 7.8% compared to 2017 which was RM5,640,271. The increase was mainly from the personal emoluments which was 3.7%, whereas the administrative expenses decreased by 2.5%, Branch subsidies decreased by 10%, depreciation of equipment increased by 8%, building maintenance cost increased by 24%, subscription fees written off was increased by 61%.

5.6 The Honorary Treasurer further reported that the main contributors to the total expenses items were personnel emoluments with 46% whereas the administrative expenses was 21%, the building maintenance cost was about 20%. The overall performance as compared to 2017 was a deficit amounting to RM1,068,817 for 2018.

5.7 The AGM was also informed that the comparative performance for the last two (2) years showed that there was surplus of RM1,823,390 for 2017. However, for the year 2018, there was a deficit of RM1,068,817. It was reported that the rental for Wisma IEM for 2017 from MKM was RM588K but for 2018, only the rental of RM90,000 was collected. If this is taken into consideration, then operation surplus/(deficit) would be RM978,817.

It was also noted that the dividend from IEMTC for 2017 was a deficit of RM489,289 whereas there was none for the year 2018. Overall difference on the last two (2) years was RM288,300.

5.8 The Honorary Treasurer then informed the comparison on the budget for the two years; 2017 and 2018. It was reported that in 2017 it was anticipated that IEM would be in deficit due to the loss of the rental for the 2018 projected budget. Hence, as budgeted the deficit was RM503,014. However, the actual budget was RM1,608,817.

As for depreciation, there was RM550,000 for 2018 budget whereas the actual was RM660,204. As for the subscription the projected budget was RM400,000 but for the actual figure was RM274,455.

As such, the total budgeted income was RM5,877,745 whereas the actual was RM5,113,070. The AGM was informed that the total expenses budgeted was RM6,380,760 whereas the actual was RM6,081,431.

5.9 The AGM was informed that the actual cash flow for 2018 was a deficit of RM356,547 whereas budgeted for 2019 was RM300,393. With regards to the total collection, it was RM6,254,579 and projected for 2019 was RM5,772,097. Hence, for actual 2018 was a deficit of RM300,393 whereas projected this year (2019) was RM222,901.

The Honorary Treasurer then thanked the Task Force on Annual Fee Collection although the Committee was not listed in the Annual Report. It was noted that the Task Force rendered their assistance liaising with the Branches.

The Honorary Treasurer also thanked the Sub Committee on Infrastructure as well as the Secretariat for putting effort on improving the maintenance of the IEM Building and Wisma IEM.

The President thanked the Honorary Treasurer for his report and proceeded to invite questions from the floor.



5.10 Questions Session – Accounts

- 5.10.1 YBhg. Dato' Ir. Andy Seo Kian Haw (F13276) requested the AGM to refer to page 165 on the “*Trade and non-Trade Receivables*” under the Current Asset heading.

He commented that figure 8 was not clear. He also commented the same for “*Trade and non-Trade Payables*” under the heading *Liabilities* with figure 16. Hence, YBhg. Dato' Ir. Andy Seo Kian Haw (F13276) sought explanation on the mentioned figures as he pointed that there was a Task Force formed and yet the receivables on both sides were still high.

The Deputy President then explained that under the heading for “*Institution*” the figure was approximately RM1.5 million whereas under the heading for “*Group*”, the figure was RM4.0 million. He further explained that this was due to the income from the World Tunelling Conference 2020 (WTC2020) event. It was noted that for the WTC2020 event the invoice was issued approximately RM4 million and the collection received was about RM1.8 million. The AGM was further informed that the IEM was able to secure an important event via the IEM TC. Hence, the Deputy President further explained that this was fundamentally the result of the increase of revenue via the invoicing and the collection to be received for the WTC2020 event. The Honorary Treasurer further reiterated that the presentation was for the “*Institution*” and not the “*Group*” account.

- 5.10.2 Ir. Ng Yen Yee (M33777) suggested that one way IEM could increase the revenue was by working with JKR to have competency training programmes for the site personnel especially in the civil discipline. This would be similar to what the Energy Commission and ILSAS was currently doing by conducting competency training programmes for the charge-man and wire-man. It was further suggested that the programme could be part of a regulatory requirement and be certified.

The President then continued to explain on the deficit of RM1,068 million. He further explained in per page 165 that for the year 2018, the income component was RM3.38 million which was RM58,000 less than 2017 (*approximately 1.7%*). As for the expenditure component on page 166, there was an increase of RM101,000 (3.7%) under the personal emolument as compared to 2017.

The President agreed that this was unavoidable due to the increase on the cost of living and as such, the salary of the staff had to be increased. However, the President pointed out that the administrative expenses were less compared to 2017. In conclusion, the President informed the AGM to not look at the figure of RM1.068 million as this was part of the accounting system. The Institution's actual deficit was RM200,000 and it was mainly from the personal emolument and the members' subscription in arrears. Nevertheless, the President informed that steps were being taken to address this issue.

- 5.10.3 Ir. Selva Sukanthiran a/l Karuppaiah (M10437) queried on the 50% drop in the training and registration fees. He further commented that in 2017 the figure was RM2.4 million but it drop drastically to RM1.2 million in 2018. The President explained that the Member was looking under the “*Group*” which was the IEM TC and Academy Sdn Bhd and not IEM. Ir. Selva Sukanthiran a/l Karuppaiah (M10437) further queried that since IEM TC and Academy Sdn Bhd were subsidiaries of IEM, it was not supposed to be in the accounts. The President explained that it was the basic requirement by “*Suruhanjaya Syarikat Malaysia (SSM)*” to include a consolidated account.

- 5.10.4 Ir. Ng Yen Yee (M33777) also reiterated with her suggestion the IEM could closely work with JKR to conduct a competency training for the civil general workers which also included foreigners to increase the Institution's income. President thanked Ir. Ng Yen Yee's concern and would look into her suggestion.

Ir. Prof. Dr Jeffrey Chiang Choong Luin (F20286) responded to the query on behalf of Ir. Gopal Narian Kutty (*the Chairman of the Standing Committee on Activities*) that the Civil and Structural Engineering Technical Division with the assistance from Ir. Gopal Narian Kutty who is from JKR were looking into working closely with JKR to conduct training programmes for the civil engineers.

As there were no further questions from the floor, Ir. Yong Kee Chiang (M01922) proposed the adoption of the Financial Statements for IEM for the year ended 31 December 2018. The motion was seconded by Ir. Dr Ng Soon Ching (M30662). The AGM then adopted the Financial Statement.

6.0 EDUCATION FUND FINANCIAL STATEMENT – 31 DECEMBER 2018

- 6.1 The Honorary Treasurer then continued to report on the Financial Statements of the Education Fund for the year ending 31 December 2018 from page 195 to page 204.
- 6.2 The AGM was informed that donations received amounted to RM49,810 in 2018 compared to RM227,036 in 2017. The Fixed Deposit Interest earned amounted to RM43,234 compared to RM38,132 in 2017.
- 6.3 On the expenditure side, the Honorary Treasurer reported that the scholarship given out in 2018 was RM34,000. He further informed that other expenses such as overseas conferences included RM34,896 and for the Student Section Subsidy was RM10,000 and other expenses was at RM923. For scholarships under the Mr. Koon Yew Yin Scholarship, interviews was held in 2019 for new scholarship recipients.
- 6.4 The Honorary Treasurer further reported that for the overall performance, there was a surplus of RM60,198 in 2018 compared to a surplus of RM178,633 in 2017.



6.5 For the overall Financial Statements of 2018, there was a decrease of 2.5% (RM1,633,216 which included fixed deposits, cash and cash equivalents) compared to RM1,673,611 in 2017.

As for the Accumulated Fund, there was an increase of 2.4% which amounted to RM2,564,909 in the year 2018 compared to RM2,504,711 in 2017.

Since there were no questions from the floor, Ir. Wong Chee Fui (F20903) proposed the adoption of the Education Fund financial statement for the year ended 31 December 2018 and the motion was supported by Ir. Gan Tian Eng (M04904). The AGM then adopted the Education Fund financial statement.

7.0 DISCUSSION ON WRITTEN ISSUES RECEIVED FROM MEMBERS

The AGM was informed that there was a letter dated 26 March 2019 submitted by Ir. Yap Soon Hoe concerning a complaint against the President. As such, the President handed over the chair to the Deputy President. However, YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik's (HF09157) suggested that there was a need to refer to the IEM Constitution and Bylaws on who should be the chair for this case. It was noted that the AGM had to elect someone from the floor to chair this particular case. Hence, President requested the AGM to propose a member to chair this item.

Ir. Chong Pick Eng (HF01214) proposed Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) to chair this item and the motion was seconded by Ir. Vincent Chen Kim Kieong (HF05128).

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) informed that the "Complainant" would need to state and explain his complaint and the "Respondent" would be allowed to respond to the complaint. However, the AGM was informed that the Complainant was currently overseas and there was no representative to represent him. Since the Complainant was not present, the AGM was informed that this case either had to be dismissed or be discussed in a separate meeting.

However, Ir. Lai Sze Ching (F04687) explained that the letter was discussed at one of the Excomm meetings. However, since it was a complaint against a member, it had to be forwarded to the Standing Committee on Professional Practice (PPC) to take up the case rather than to be discussed at the AGM.

Ir. Yong Kee Chiang (F01922) mentioned that since the Complainant was not present, hence this issue should not be discussed and be dismissed. Ir. Awangku Hidup Awangku Hosain (F03053) also agreed with the suggestion by Ir. Yong Kee Chiang that this case would need to be presented at the PPC.

The Honorary Secretary explained to the AGM that the letter dated 26 March 2019 (*as projected on the screen*) was the third one submitted by the Complainant. It was noted that the similar issues were discussed both at Excomm and Council and Excomm had replied to the Complainant dated 28 August 2018 and 13 December 2018. However, it was noted that Complainant was not satisfied with IEM's replies and he decided to write in a third letter.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat further informed that this issue should not have been presented at the AGM as it was not related to the running of the Institution. He commented whether it was a complaint against an individual/member or the Office Bearer and according to the IEM Constitution, it should be presented to the Excomm for an investigation to be made. Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat further explained that should there be any element of misconduct, the IEM Constitution allowed for an Ad-Hoc Committee to look into the complaint.

Without knowing the content of the letter dated 21 June 2018, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat raised the question whether the complaint was against the Office Bearer of the Institution or was it against an individual member. YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) further commented that since the Complainant was not available to present his case at the AGM, he proposed that this issue be referred back to Council for further discussion as per the IEM Constitution.

However, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat interjected that when the agenda of the AGM was sent to the members, it had an item which offered any members to raise any written issues for discussion at the AGM. It was also commented that it was the responsibility of the Honorary Secretary to check whether the letter was related to the business of the Institution. In addition, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat further commented that if this issue was a complaint made against a member or an Office Bearer, it should not be discussed at the AGM. Moreover, the letter dated 26 March 2019 stated that the entirety of his letter to be deliberated at the AGM.

The Honorary Secretary further explained that there were three (3) issues concerning this case; firstly was the President's travel expenses to the IEM Branches; secondly was the President's travel to London to attend the IEA Meeting in London; and thirdly was on general matters concerning the visits by the President to the ministries and the Prime Minister whether it benefited the Institution.



However, Ir. Chong Pick Eng (HF01214) further commented that the complaint was not on Ir. David Lai Kong Phooi as an individual but on his position as a President of the Institution.

Ir. Yong Kee Chiang (F01922) reiterated his proposal that this issue should not be discussed and be removed from the agenda immediately. He further commented that this was basically a complaint from one member who did not like the way the President conducted his mode of operation and it was more of a personal matter.

Y.Bhg. Dato' Ir. Pang Leong Hoon (HF00015) felt there was a need to make a decision whether this issue should be discussed at the AGM since it was stated in the agenda.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat further explained that had the complaint been made against Excomm, then Excomm should appoint an independent body.

The Deputy President further clarified that the complaint was made against an individual per se. With regards to the three (3) issues stated in the letter and as pointed out by the Honorary Secretary, the Deputy President requested the wisdom of the AGM whether the complaint was on a personal matter or against the Institution or the Council or the Excomm per se. Hence, he felt that the AGM should make a decision.

Ir. Chong Pick Eng (HF01214) suggested that Excomm should not make any comments as this issue had been discussed at the Excomm meetings. Hence, he further suggested that it would be up to the AGM to make a decision. He further pointed out that anything that been done for the Institution should not be considered as a personal matter. Hence, there was a need to separate the issue; either personal or for the Institution.

Y.Bhg. Dato' Ir. Dr Gue See Sew (HF03975) suggested that the complaint be referred to the Council and not at the AGM. Ir. Dr Tan Yean Chin (F11712) provided his view that Excomm consists of IEM members and as such all members including the Excomm have equal rights.

Nevertheless, he commented that since the Complainant was not present, he supported the notion that this issue be presented at the Council for further deliberation instead of this AGM.

Ir. William Ho Choo Kwang (M17178) also suggested that the AGM was not an appropriate forum to discuss this issue and it should be reverted to Council. Ir. Lt. Kol Mohd Hazani bin Shafie (F16292) also supported the suggestion that Council should deliberate on this issue and not the AGM.

Ir. Yam Teong Sian (F05613) informed that this issue was more on a certain amount of misunderstanding. Nevertheless, he felt that every member had the right to voice out their views and he agreed with the suggestion from Ir. Dr Tan Yean Chin and Y.Bhg. Dato' Ir. Dr Gue See Sew (HF03975) that this matter be discussed further at Council.

Ir. Gunasagaran Kristnan (M08216) commented that this issue had been ongoing since a year ago and the complaint was mainly on President's running of the Institution. Moreover, IEM had replied to the Complainant's complaints. Hence, he felt that it was not necessary to discuss this issue at the AGM.

Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin (HF01019) felt that since the Complainant was not present, it was not necessary for the AGM to discuss on this issue be it now or in the future should there be such a situation. Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin (HF01019) also supported the notion that this issue be reverted to Council.

Ir. John Cheah Kam Loong (F01186) also supported the comments/suggestions made by the past Presidents that this issue should be presented to Council and not at the AGM.

Ir. Mohd Radzi bin Salleh (F20112) also felt and commented that this issue should not be discussed at the AGM due to firstly, the Complainant was not present and secondly, the subject should have been thoroughly discussed before presenting at the AGM.

Ir. Tu Yong Eng (M15448) commented that the issue started in June 2017 and it had been almost a year and hope that Excomm and Council should come up with a conclusion on this issue.

After hearing the comments and opinions of the AGM, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat felt that this issue had to be done by the rule of law. He further reiterated whether the complaint was made either against a member or an Office Bearer of which the IEM Constitution allowed for a process to take place. Moreover, this issue was not related to the business of the AGM and had been mistakenly included into the Agenda of the AGM.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat further explained that whether it was a case against an individual member or against the Office Bearer in running of the Institution. The Excomm would need to report to Council and thereafter present at the next AGM.

The President then thanked Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat for chairing the session on the complaint made by one of the members against the President.



8.0 PROPOSED AMENDMENTS TO CONSTITUTION AND BYLAWS

President informed the AGM to go through the pages 6 to 15 on the amendments to the Constitution and Bylaws. The President then pointed out the amendments in the various articles as stated in the said mentioned pages:

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) commented whether the President would be presenting the amendments in total or article by article on the amendments as if in total, the whole amendments would then be rejected should there be no consensus made. As such, the President posed to the floor on this matter and the AGM agreed to go through the amendments article by article.

ARTICLE II MEMBERSHIP

Article 2.2

The AGM agreed that the word "to add" be removed in the proposed amendments section.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) sought clarification on the item "(ed) *Engineering Technician Graduate Members*" whether this category would mean that "Technician" was considered as graduates.

Ir. Lai Sze Ching (F04687) informed the AGM that this category was debated at Excomm. However, there was no suitable word and hence the word decided was "*technician*". Moreover, it was noted that there was no definition that a graduate must be a degree holder.

Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin (HF01019) commented that there were more appropriate words to be used such as "*certified and qualified technician*" which had been used by Malaysia Board of Technology (MBOT). Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin further explained that one who had been graduated was called as "*qualified*" whereas one who becomes a professional technician would be called as "*certified*". Hence, Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin suggested that IEM could adopt the same terms.

Ir. Chong Pick Eng (HF01214) commented that for item (d) "Senior Graduate Members", there was a capital letter for each word and these words should be defined somewhere as per legal definition. He further cited that for the word "*Graduate Members*" which should have a same status as Graduate Members of IEM as the said word had been defined.

He further informed that there would be confusion on the term "*Engineering Technologist Members*" as the person should possess a degree equivalent to "*Graduate Members*". He felt that it would not be appropriate to have the same words at two (2) different grades (*Graduate Member and Engineering Technologist Member*).

Y.Bhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) pointed out that the membership grades had been defined on page 9 of the Annual Report.

However, Ir. Chong Pick Eng (HF01214) further explained that when there was a capital letter on the word "*Graduate*", it would be defined whereas "*Engineering Technologist Members*" was considered as a phrase.

Nevertheless, Ir. Lai Sze Ching (F04687) informed the AGM that the definition of the mentioned grades had been explicitly defined in page 6 of the Annual Report that is 2.15A onward.

Ir. Shum Keng Yan (M14287) suggested that articles 2.2, 2.4, 2.5 would be automatically valid if the AGM could start looking from the bottom of the amendments. He further suggested that it would be advisable to go through the interpretations for clarity purpose and thereafter follow through on the membership grades for approval.

Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin (HF01019) further reiterated on the subject of the membership grade "*Engineering Technician Graduate Member*" as it may raise confusion that whether the technician is a graduate. Y.Bhg further explained on the perception that unless a person holds a degree, he/she was not a graduate. Y.Bhg commented that in the case of a "*Engineering Technician Graduate Member*" it was clearly stated that he/she is a graduate and had a degree.

However, for the technician, he/she holds a diploma and not a degree and hence there was a need to differentiate the two grades. The AGM was further informed that in practice, a diploma holder was not a graduate and this had been accepted. According to the MBOT Act, it was clearly defined that a technician is certified and not a graduate.

Ir. Shum Keng Yan (M14287) suggested that the AGM should go through the whole agenda and decide on the articles that needed to be approved in principle. In cases where there were further improvements to be made especially on the certified or qualified issues, he further suggested that a Working Group be formed. In this way, the AGM could continue to proceed and discuss on other matters in the agenda.

Y.Bhg. Dato' Ir. Dr Gue See Sew (HF03975) informed the AGM that the IEM Constitution had no definition stated but there was interpretation. He further informed that there was no interpretation on the term "Graduate" but there was one on the word "Member" with the capital "M". President then pointed out item 10.10 (*ARTICLE X - Interpretation*) from the IEM Constitution.



YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) proposed to second the proposal from Ir. Shum Keng Yan (M14287) that AGM should approve in principle on the amendments. With regards to the detailed improvement, he suggested that a Committee be formed to look into the definition or interpretation upon considering the MBOT and the Registration of Engineers Acts.

Article 2.4

Ir. Chong Pick Eng (HF01214) commented on deleting the title "Engr" in the proposed amendment.

He questioned whether anything had been done or discussed on the use of the title "Engr" before deleting the said word. He further explained that once the word "Engr." had been deleted, it would mean that the subject on the usage of the title "Engr." considered as closed for good.

Ir. Vincent Chen Kim Kieong (HF05128) expressed his unhappiness on removing the title "Engr." from the proposed amendment. He further explained that the title was first introduced during the Presidency of Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin where a Committee was formed to come up with a proper working paper on the usage of the title "Engr." And thereafter it went through Excomm, Council as well as having a Special Council meeting to discuss on this issue. Hence, he felt that it was not proper to just remove the said title without preparing a proper working paper.

President then explained that in January 2016, there was a meeting with the then President, Y.Bhg Dato' Ir. Lim Chow Hock and the former Minister of Works, YB Datuk Seri Fadillah Yusof. It was noted that at the meeting it was agreed that the issue be forwarded to the Attorney General's Chamber for a decision. It was noted that BEM had issued a letter to IEM to suspend the usage of the title "Engr." to the Graduate members. Subsequently, BEM had written a letter of reprimand to the members whose names were listed in the Jurutera with the title "Engr."

President further explained that recently he and his delegation met with the Minister of Works, YB Datuk Baru Bian and proposed that the good office of the Minister to request for a decision from the Attorney General's Chamber as this issue had been pending for quite a long time.

With regard to the comments made by Ir. Vincent Chen Kim Kieong, the President informed that twenty (20) of IEM members received a "show cause letter" from BEM on the usage of the title "Engr." The President further explained that the Graduate members could still use the title based on the Constitution. However, they would need to cushion that part of the legal area. Hence, it was suggested that the title "Engr." be removed temporary from the Constitution until a decision has been made from the Attorney General's Chamber.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) further explained that should the title "Engr." be removed from the Constitution, IEM had no rights. Although, it was pointed out that the Graduate members could use the title based on the Constitution, it would contravene the REA. Hence, the Graduate members were advised to not use the title until a decision is made by the Attorney General's Chamber.

Y.Bhg Dato' Lim Chow Hock (HF02531) informed the AGM that during his tenure as a President, the Minister of Works at that time, assured that the suspension of the title "Engr." would be temporarily. As such, Y.Bhg Dato' Lim Chow Hock also agreed with the suggestion from Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat to not remove the title "Engr." in the Constitution and to wait until the decision from the Attorney General's Chamber had been sought.

Ir. Chong Pick Eng (HF01214) also agreed with the suggestions from Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat and Y.Bhg Dato' Lim Chow Hock that the title "Engr." should remain in the Constitution. He further informed that it was not a correct procedure to strike off the statement without proper deliberation or discussion.

YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) commented that although the usage of the title "Engr." would be against the Act of Parliament as well as being objected by some other parties, he stressed that the IEM's Constitution had been in due process being approved by the members in general and also the Registrar of Society (ROS).

Hence, YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) further commented that it was not illegal. Nevertheless, YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik agreed with Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat as well as the past presidents to maintain the "Engr." in the Constitution. He further suggested that the President and his new delegation could meet with the new Attorney General and put forward IEM's case on the usage of the title "Engr."

Ir. Choo Kok Beng (HF02828) also pointed out that this issue was not discussed at the Council meetings. However, YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) interjected to state this issue had been discussed at Council but not properly deliberated.

Due to the limited time the AGM had, YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) suggested to agree in principle Article 2.2. As for Article 2.4, the removal of the title "Engr." was not agreed upon. In addition, it was also suggested that where there was a need to amend the wordings and this would be presented to Council to form a Committee to look into whether it should be in line with the MBOT and REA Acts. This would also be related to the agreements/mobility of Engineering Technologist and Engineering Technicians.



YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik also stressed the fact that should the amendments be delayed for another year, IEM would not be able to represent Malaysia to sign the agreements. Hence, he further informed the AGM to expedite the voting session.

Hence, the AGM agreed in principle Article 2.2 of which the non-Corporate Members would consist of 13 grades but whether the technicians were qualified or certified, there was a need to ensure the norms were adhered to. A voting was done and the results were as follows:

	Malakoff	2nd Floor	3rd Floor
In favour	66	48	31
Objected	2	1	2
Abstained	1	2	0

The motion was carried.

Article 2.4

Ir. Vincent Chen Kim Kieong (HF05128) proposed to also replace the word "Companion" with "Senior Graduate Member". The AGM was informed that there was a motion to delete the proposed last five (5) lines including to remove "Engr" and the results were as follows:

Malakoff - 10
 2nd floor - 14
 3rd floor - 13
 Total - 37

The AGM took a vote on the motion to retain the title "Engr." and the overall result was as follows:

	Malakoff	2nd Floor	3rd Floor
In favour	59	29	24
Abstain	1	2	1

Hence, the motion was not carried.

Article 2.5

As agreed earlier, Article 2.2 and this Article 2.5 were related and agreed in principle. As such, the AGM agreed to forward to Council on the actual wordings for the necessary action to be taken. Hence, there would not be any voting to be done.

Article 2.14

There was no voting done as it was related to the wordings and would be presented to Council for the necessary actions to be taken.

Article 4.1 and Article 4.2

The AGM took a vote on these two Articles as it was on the classification of fees for the various membership grades. The results were as follows:

	Malakoff	2nd Floor	3rd Floor
In Favour	51	24	28
Not in Favour	2	1	3
Abstain	2	4	0

With regards to the inclusion of the four (4) new grades and the terminology would be presented to Council.

Article 4.2.1

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat explained to the AGM that for this Article, it was divided into two (2) parts; one was the change of the words from Companion to Senior Graduate Member and the other was on the fees for Engineering Technologist and Engineering Technician. There was a query that the fee for the Engineering Technician was RM155.00 which was the same as a Graduate Member.



As such, there was a proposal that the said membership grade should not be charged. However, the AGM agreed that there should be a fee but the quantum or the rate should be forwarded to Council for deliberation. Hence, a vote was taken on the motion to charge a fee and the results were as follows:

	Malakoff	2nd Floor	3rd Floor
In Favour	69	30	30
Not in Favour	0	0	0
Abstained	0	0	1

The motion was carried.

Article 5.1

The AGM agreed in principle Article 5.1. However, YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) suggested for the Council to re-look at the word "Members" as per the Constitution it was stated as on Corporate Members. He further referred to Clause 2.3 of the Constitution that states:

Clause 2.3

"Only Corporate Members have the right to vote, to requisition meetings and to be elected to the Council. Non- Corporate Members can be appointed to Council".

He further explained that the mentioned Clause 2.3 may not be in line with Article 5.1 as it states that members with capital letter "M" were eligible to vote. Hence, YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik pointed out that there was a need to thoroughly check on whether the grades as listed in the proposed amendments for Article 2.2 were eligible to vote in Council. Hence, he felt that the Sub Committee on Amendments to the Constitution would have to thoroughly go through to ensure that these grades were eligible to vote to suit Article 5.1.

Ir. Wong Chee Fui (F20903) also supported YBhg. Academician Dato' Ir. Prof Dr Chuah Hean Teik's suggestion to thoroughly check the Constitution to ensure there was consistency in the proposed amendments in Article 2.2 and Article 5.1. As such, the President agreed that the terminology or the wording would be presented to Council for discussion.

Article 5.2

The AGM agreed that amendments were purely administrative in manner. However, Ir. Chong Pick Eng (HF01214) commented that there was a need to look at the whole Constitution in general.

At this juncture, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat suggested that the agenda for this item, i.e. Agenda 6 be changed to Agenda 13 as he felt that most of the members were leaving and there might not be any quorum. He felt that the amendments should have done via a Special General Meeting (SGM) and thereafter to convene after the AGM.

In view of this, the Deputy President sought the consent of the AGM to go through other Agendas first so as to follow the rule of law. Hence, the proposal was seconded by Ir. Choo Kok Beng and the motion was carried.

9.0 ANNOUNCEMENT OF THE ELECTION RESULTS FOR COUNCIL 2019/2020 SESSION

The President then invited the Election Officer, YBhg. Dato' Ir. Pang Leong Hoon to announce the results of the election for the session 2019/2020.

9.1 President and Deputy President

Y.Bhg. Dato' Ir. Pang Leong Hoon informed the AGM that in accordance with Section 5.2 of the IEM Bylaws Section 5.13 the current President, Ir. David Lai Kong Phooi, continued his second term in the office of the being the Preside while Ir. Ong Chiong Loon continues in the office of the Deputy President 2019/2020.

9.2 Vice Presidents, Hon Secretary, Hon Treasurer and Others

YBhg. Dato' Ir. Pang Leong Hoon then informed the AGM on the following offices required balloting:

9.2.1 Office of Council Member – Representative of Other Disciplines (One (1) vacancy for 3 sessions, 2019/2020, 2020/2021, 2021/2022)

The AGM was informed that there were two (2) nominations were received for this office.

However, one of the candidates was not eligible under this category as he was registered in the IEM database in Civil discipline. Thus, the remaining candidate was Ir. Bhuvendhraa Rudrusamy was duly elected unopposed to the office of Council Member – Representative of Other Discipline for the sessions 2019/2020, 2020/2021 and 2012/2022.



9.3 YBhg. Dato' Ir. Pang Leong Hoon then informed the AGM that the following offices required balloting:

- *Vice Presidents with 8 candidates*
- *Honorary Secretary with 2 candidates*
- *Honorary Treasurer with 2 candidates*
- *Council Members – Ordinary Representatives with 25 candidates*

9.3.1 Office of Vice President (Three (3) vacancies for 2 sessions 2018/2019 and 2019/2020)

The AGM was informed that measures were taken to get the ballot papers sent out to members for the offices which required balloting i.e. for Vice Presidents, Honorary Secretary, Honorary Treasurer and Ordinary Council members. A total of 11,542 ballot papers were sent and delivered to Corporate Members. The Ballot Box at the IEM Secretariat was sealed on 6 April 2019 at 10.100am. A total of 1,711 ballot papers were received at the IEM when the Ballot Box was opened thereafter a 10.15am. After checking and verification of ballot papers, counting of votes were carried at 10.50am out to determine the successful candidates.

YBhg. Dato' Ir. Pang Leong Hoon further informed the AGM that there were eight (8) nominations received for the four (4) vacancies. The following four (4) candidates with the highest number of votes were duly elected to the office of Vice President for the sessions 2019/2020 and 2020/2021:

- i) First Admiral Dato' Ir. Ahmad Murad bin Omar
- ii) Ir. Dr Tan Chee Fai
- iii) Ir. Hj. Mohd Aman bin Hj. Idris
- iv) Ir. Dr Wang Hong Kok

9.4 Office of Honorary Secretary (One (1) vacancy for session 2019/2020)

There were two (2) nominations received for the one (1) vacancy. The candidate, Ir. Mohd Khir bin Muhammad received the higher number of votes and was duly elected to the office of Honorary Secretary for the session 2019/2020.

9.5 Office of Honorary Treasurer (One (1) vacancy for session 2019/2020)

The AGM was informed that three (3) nominations were received and the candidate, Ir. Chen Harn Shean received the highest number of votes for the office of Honorary Treasurer for the session 2019/2020.

9.6 Office of Council Member – Ordinary Representative (Ten (10) vacancies for 3 sessions, 2019/2020, 2020/2021 and 2021/2022)

YBhg. Dato' Ir. Pang Leong Hoon proceeded to report that there were twenty seven (27) nominations received and the following ten (10) candidates with the highest number of votes were duly elected to the Office of Council Member – Ordinary Representative ten (10) vacancies for 3 sessions, 2019/2020, 2020/2021 and 2021/2022):

1. Ir. Prof. Dr Ruslan bin Hassan
2. Ir. Mah Siew Kien
3. Dato' Ir. Mohd Azmi bin Ismail
4. Ir. Ng Yong Kong
5. Ir. Dr Mui Kai Yin
6. Dato' Ir. Noor Azmi bin Jaafar
7. First Admiral Dato' Ir. Ahmad Murad bin Omar
8. Ir. Sukhairul Nizam bin Abd Razak
9. Ir. Lai Sze Ching
10. Dato' Ir. Ahmad Anuar bin Othman

9.7 The AGM was further informed that the Election process took about three (3) months and the total cost was RM28,380.40 (*balloting document and postage*) excluding IEM staff cost. The Election Officer suggested that IEM would be able to save cost should the election process be done via e-balloting.

9.8 YBhg. Dato' Ir. Pang Leong Hoon then thanked the Scrutineers, Ir. Prof. Dr Zainal Abidin bin Ahmad, Ir. S. Kukanesan and Ir. Hj. Mohd Ali Yusof for their valuable assistance and support and also thanked the Secretariat for their full cooperation.

The President thanked YBhg. Dato' Ir. Pang Leong Hoon for rendering his services and support for being for conducting the election process.

10.0 PRESENTATION OF AWARDS

The Emcee then invited the President, Ir. David Lai Kong Phooi to present the following awards to the five (5) recipients:



10.1 IEM Best Technical Paper for Corporate Member Category – Civil Discipline – The Tan Sri Ir. Hj. Yusoff Prize

- (i) The award was presented to Ir. Dr Ooi Teik Aun for his paper entitled “*The Present and Future Sustainable Use for Underground Space in Malaysia*”. Ir. Dr Khoo Chee Min received the award on behalf of Ir. Dr Ooi as he was not present.
- (ii) The next winner would be receiving the IEM Best Technical Paper for Corporate Member Category – Engineering Education for the Tan Sri Ir. Hj. Yusoff Prize and it was presented to Ir. Rocky Wong Hon Thang for his paper entitled “*WA-OBE Approach – A Practitioner’s Perspective*”. However, Ir. Rocky Wong Hon Thang was not present to receive the award.
- (iii) The third recipient was Dr. Siow Chun Lim for his paper entitled: “*The AEI Electrical Blueprint: Towards ASEANising ASEAN Graduate Engineers*”
- (iv) The next Raja Tan Sri Zainal Prize (*awarded for an outstanding technical paper on any subject contributed by Graduate Members of the IEM*) – Civil Engineering category was presented to Dr. Boon Chia Weng for this paper entitled “*Ground Response due to Underground Construction and Impact to 3rd Party Structures*”.
- (v) The Raja Tan Sri Zainal Prize (*awarded for an outstanding technical paper on any subject contributed by Graduate Members of the IEM*) – General category was presented to Dr. Habibah Haron for her paper entitled “*Grooming Future Scientists and Engineers from the Root through Fun Learning Concept*”.

10.2 Tan Sri Hj. Yusoff Ibrahim Best Final Year Project

The AGM was informed that the Tan Sri Hj. Yusoff Ibrahim Best Final Year Project was conducted for the second consecutive year. Invitation letters were sent to 28 accredited universities and a total of 14 submissions were received. The AGM was further informed that the overall winner would be receiving cash of RM1,000, a trophy and a certificate.

The winner was Sdri. Siti Nadhirah bt Zainurin from Universiti Sains Islam Malaysia (USIM). The following received the consolation prizes worth RM300 and they were:

1. Koay Mei Yuan from TAR University College (TAR UC)
2. Loong Ji Wei from University of Nottingham
3. Jonathan Goh Yue Heng from Monash University
4. Mohd Fazri bin Sedan from Universiti Putra Malaysia (UPM)

10.3 Top Mentor Award

The AGM was informed that this year, IEM introduced the IEM Top Mentor Award as part of IEM’s recognition of the contribution by IEM mentors in the Engineering Competency Development (ECD) programme. The Mentees would submit their nomination of their Mentor for this award. The first batch of Mentors who had been nominated by their Mentees this year were:

No	Name	M.Ship No	Discipline
1	Ir. Yong Shu Hwa (<i>was not present</i>)	M 28976	Chemical
2	Ir. Sam Siong Won	M 17074	Electronic
3	Ir. Chuah Rhun Riang	M 26229	Electrical
4	Ir. Lee Lam	F 01998	Mechanical
5	Ir. Bhuvendhrra Rudrusamy	F 26383	Electronic

10.4 Certificate Presentation to the Fellows of IEM

The Emcee then proceeded to honour the Members of IEM who were approved for the transfer to the grade of Fellow for session 2018/2019. Thirty four (34) Members were transferred and twenty seven (27) were present to receive the certificates and a pin. They were:

1. Ir. Lim Kee Weng, Bernard
2. Ir. Ngui Min Fui @ Tom
3. Ir. Dr Zainal Fiti bin Zainal Abidin
4. Ir. Sim Hui Kheng
5. Dato’ Ir. Zohari bin Sulaiman
6. Ir. C Kamalesen a/l Chandrasekaran
7. Ir. Khoo Chee Min
8. Ir. Dr Ong Chee Wee
9. Ir. Tang Chok Khing, Vincent
10. Ir. Haidel Heli
11. Ir. Gunasagaran Kristnan
12. Ir. Lai Chee Kuan



13. Datuk Ir. Abdul Kadir bin Mohd Din
14. Ir. Teo Ki Yuee
15. Ir. Kol Mohd Hazani bin Shafie
16. Ir. Chen Harn Shean
17. Ir. Dr David Chuah Joon Huang
18. Ir. Dr Lee Tin Sin
19. Ir. Dr Lee Yun Fook
20. Ir. Dr Lim Phaik Leng
21. Ir. Dr Oh Seong Por
22. Ir. S. Kumar a/l S. Subramaniam
23. Ir. Prof Dr Leong Wai Yie
24. Ir. Arul Raj s/o Selvaraj
25. Ir. Dr Tan Kuang Leong
26. Ir. Dr Teo Fang Yenn
27. Ir. Yau Chau Fong

11.0 PRESENTATION OF MEMENTOS TO RETIRING COUNCIL MEMBERS

11.1 The President then presented tokens of appreciation to the Council Members who were retiring from office for the 2018/2019 and who not be re-elected to Council in other positions:

1. Ir. Lee Boon Chong
2. Ir. Roznan bin Abdul Rashid
3. Ir. Assoc. Prof Dr Ahmad Kamil Arshad
4. Ir. Dr Tan Kuang Leong
5. Ir. Vincent Wong Khien Ngie
6. YBhg. Lt. Jen. Dato' Wira Ir. Ismail bin Samion (Ret. RMAF)
7. YBhg. Dato' Ir. Hj. Anuar bin Yahya
8. Ir. Mah Way Sheng
9. Ir. Gunsagaran Kristnan
10. Ir. Wong Chee Fui
11. Ir. Vincent Tang Chok Khing

11.2 The AGM was informed that the following retiring Council members were not able to be present to collect the tokens. The tokens would therefore be delivered to them.

1. Ir. Gopal Narian Kutty
2. Ir. Abdul Razak bin Ali
3. Ir. Ateamin bin Sulong

12.0 MEMBERS COLLECTING THE CERTIFICATE OF APPRECIATION AS THEY WILL CONTINUE TO SERVE IN OTHER CAPACITY

The following members had been invited to receive the certificate of appreciation as they would be continuing to serve in other capacity:

1. Ir. Prof. Dr Ruslan bin Hassan
2. Ir. Lai Sze Ching
3. Ir. Chen Harn Shean
4. Ir. Hj. Mohd Aman bin Hj. Idris
5. Ir. Dr Tan Chee Fai

The President, Ir. David Lai Kong Phooi then requested on the changeover of the new Council members so that the new Vice Presidents, Honorary Secretary and Honorary Treasurer could take their place at the podium. The President then thanked the Council members who retired.

13.0 PAST PRESIDENTS ELECTED BY COUNCIL TO SERVE IN THE COUNCIL

13.1 The President informed the AGM that Council had extended invitations to the following five (5) Past Presidents and they had accepted the invitation:

1. Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin
2. Y.Bhg. Dato' Ir. Dr. Gue See Sew
3. Y.Bhg. Datuk Paduka Ir. (Dr.) Hj Keizrul bin Abdullah
4. Y.Bhg Academician Dato' Ir. Prof. Dr. Chuah Hean Teik
5. Ir. Choo Kok Beng
6. YBhg. Dato' Lim Chow Hock

The President then thanked all Past Presidents for their contribution in the past sessions.



14.0 ELECTION OF HONORARY INTERNAL AUDITORS

- 14.1 The President then proceeded to call for nominations for the position of Honorary Internal Auditors. He further informed the AGM that the current internal auditors were Ir. Awangku Hidup Bin Awangku Hosain (M03053) and Ir. Tiong Ngo Pu (M07252).

Y.Bhg Academician Dato' Ir. Prof. Dr. Chuah Hean Teik proposed to retain the current Honorary Internal Auditors who are Ir. Awangku Hidup Bin Awangku Hosain (M03053) and Ir. Tiong Ngo Pu (M07252). The motion was seconded by Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin. Hence, the AGM unanimously approved the re-appointments.

15.0 APPOINTMENT OF EXTERNAL AUDITORS

- 15.1 The President informed the AGM that the Council at the last meeting had re-appointed PKF Malaysia as the External Auditors for 2019/2020. The AGM endorsed the appointment.

16.0 CONTINUATION FROM AGENDA 6 - PROPOSED AMENDMENTS TO CONSTITUTION AND BYLAWS (REFER ITEM 8.0)

Article 5.11

The AGM accepted the amendments.

Article 5.14

The AGM also unanimously accepted the amendments.

ARTICLE VI – MANAGEMENT

Article 6.10

Y.Bhg Academician Dato' Ir. Prof. Dr. Chuah Hean Teik (HF09157) suggested that Council should re-look into the amendment as he felt that there should be flexibility. He further referred to the statement ("*Note-this is to synchronise with 6.19 of Bylaws*") which he commented was with the Executive Committee and was not related with the Council. Hence, Y.Bhg Academician Dato' Ir. Prof. Dr. Chuah Hean Teik suggested not to amend so as to allow flexibility. In the event there was a need to change the figure it would be easier to amend in the Bylaws rather than the Constitution. Hence, the AGM unanimously agreed to retain the number twenty four (24) instead of nineteen (19).

Article 10.9

The AGM accepted the amendments in principle.

Bylaw - SECTION II Qualifications for Membership

The AGM agreed that this item would be approved by Council.

However, Ir. Chong Pick Eng (HF01214) queried on the rationale of deleting "*....who shall be normally appointed for a term of three (3) sessions, with one third (1/3) of them retiring at the end of each session.*" of Bylaws 6.3 – The Standing Committee on Admissions and Practical Training. He further commented that if the wordings had been removed it would be perpetual in nature.

Y.Bhg Academician Dato' Ir. Prof. Dr. Chuah Hean Teik (HF09157) also felt that the word "*shall normally*" should be retained. This was to ensure that there would be new members appointed. He further commented that should the wordings be removed, it would indicate that there would not be any opportunity to bring in new members.

Y.Bhg. Datuk Paduka Ir. (Dr.) Hj Keizrul bin Abdullah (HF01691) also commented that all these years the members would be re-appointed after one (1) year, and as such it was not perpetual. Nevertheless, Y.Bhg Academician Dato' Ir. Prof. Dr. Chuah Hean Teik (HF09157) proposed that Council to re-look and approve to retain the Bylaws 6.30 until 6.42.

The AGM agreed with the proposal.

17.0 ANY OTHER BUSINESS (AOB)

The President invited the AGM to raise any issues for discussion.

- 17.1 Ir. John Cheah Kam Loong (F01186) informed the AGM that he was the Chairman of the Ad-Hoc Committee on Dengue Control of the IEM Southern Branch. According to Ir. John Cheah, the State of Selangor had the most cases of dengue incidences with over 3000 cases. He proposed that the good office of the President could inform the rest of the IEM Branches to set up an Ad-Hoc Committee on Dengue Control. It was also suggested that the IEM Branches could work together with the government agencies to assist in searching and destroying the dengue breeding areas. President agreed to raise this issue at the next pre-dialogue session.

**18.0 PRESIDENTIAL ADDRESS FOR THE SESSION 2019/2020**

18.1 The Emcee then invited the President to present the Presidential Address 2019 entitled "**ENGINEERING THE NATION**".

19.0 ADJOURNMENT OF 60TH ANNUAL GENERAL MEETING 2019

19.1 The President informed that the attendance for this AGM was 444, one of the highest in IEM history. The President then thanked the Organising Committee as well as the Chairman Ir. Gopal Narian Kutty for their relentless effort of selling a total of 138 tables for the Annual Dinner.

The President then declared the 60th Annual General Meeting adjourned at 1.45 pm and he thanked the members for their presence. The President then reminded the members that the Annual Dinner 2019 would be held at the Grand Ballroom, Sunway Resort Hotel and Spa. He also thanked those who have purchased seats in support for the annual dinner.

Ir. David Lai Kong Phooi
President

Ir. Mohd Khir bin Muhammad
Honorary Secretary



NO	NAME	MEMBERSHIP NO
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DISTINGUISHED HONORARY FELLOW

1.	ACADEMICIAN DATO' Ir. LEE YEE CHEONG	00220
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HONORARY FELLOW

2.	ACADEMICIAN TAN SRI DATUK Ir. (DR) HJ AHMAD ZAIDEE BIN LAIDIN	01019
3.	Ir. VINCENT CHEN KIM KIEONG	05128
4.	Ir. CHONG PICK ENG	01214
5.	Ir. CHOO KOK BENG	02828
6.	ACADEMICIAN TAN SRI DATO' Ir. PROF DR CHUAH HEAN TEIK	09157
7.	DATO' Ir. DR. GUE SEE SEW	03975
8.	DATO' PADUKA Ir. HJ PROF (DR) KEIZRUL ABDULLAH @ LIM TEIK KEAT	01691
9.	DATO' Ir. LIM CHOW HOCK	02531
10.	Ir. DR. OOI TEIK AUN	01249
11.	DATUK Ir. PROF DR OW CHEE SHENG	05738
12.	DATO' Ir. PANG LEONG HOON	00015

FELLOW

13.	Ir. ABDUL KADIR BIN MOHD. DIN	08020
14.	DATO' Ir. DR. AHMAD ANUAR BIN OTHMAN	13148
15.	Ir. AHMAD KAMIL BIN ARSHAD	13471
16.	DATO' Ir. AHMAD MURAD BIN OMAR	04741
17.	Ir. AHMAD RAFIDI BIN MOHAYIDDIN	22228
18.	Ir. ARUL RAJ A/L SELVARAJ	13939
19.	Ir. BERNARD LIM KEE WENG	18809
20.	Ir. DR BHUVENDHRAA RUDRUSAMY	26383
21.	Ir. C. KAMALESEN A/L CHANDRASEKARAN	21526
22.	Ir. CHEAH KAM LOONG, JOHN	01186
23.	Ir. CHEN HARN SHEAN	23894
24.	Ir. CHEW CHING CHONG	04541
25.	Ir. CHEW WENG YUEN	12156
26.	Ir. PROF. DR. CHIANG CHOONG LUIN, JEFFREY	20286
27.	Ir. CHING CHIN CHUAN	05822
28.	Ir. DR CHUAH JOON HUANG, DAVID	57551
29.	Ir. ELLIAS BIN SAIDIN	10100
30.	DATO' Ir. FOONG CHOY CHYE	03799
31.	Ir. GOH KAR BUNG	08013
32.	Ir. GUNASAGARAN A/L KRISTNAN	08216
33.	Ir. HAIDEL HELI	22455
34.	Ir. HAN SENG KONG	13421
35.	Ir. HOO CHOON SEAN	02312
36.	Ir. EMERITUS PROF. ISHAK BIN ABDUL RAHMAN	02106
37.	DATO' Ir. ISMAIL BIN SAMION	06772
38.	Ir. LAI CHEE KUAN	17365
39.	Ir. LAI SZE CHING	04687
40.	Ir. LEE BOON CHONG	08092
41.	Ir. LEE LAM	01998
42.	Ir. PROF. DR LEE TIN SIN	27985

43.	Ir. DR. LEE YUN FOOK	38707
44.	Ir. PROF. DR. LEONG WAI YIE	60691
45.	Ir. LIM PHAIK LENG	24416
46.	Ir. LOOK KEMAN BIN SAHARI	07295
47.	Ir. HJ. MOHAMED ALI BIN YUSOFF	01974
48.	Ir. LT. KOL. MOHD HAZANI BIN SHAFIE	16292
49.	Ir. MOHD KHIR BIN MUHAMMAD	18791
50.	Ir. HJ. MOHD RADZI BIN SALLEH	20112
51.	Ir. MOHD. AMAN BIN HAJI IDRIS	02176
52.	Ir. NG CHEU KUAN	03451
53.	Ir. NG KOK PENG	03745
54.	Ir. DR. NGUI MIN FUI @ TOM	18037
55.	DATO' Ir. NOR HISHAM BIN MOHD. GHAZALI	12458
56.	Ir. PROF. DR. NORLIDA BT. BUNYAMIN	13746
57.	Ir. DR OH SEONG POR	28476
58.	Ir. DR ONG CHEE WEE	20293
59.	Ir. ONG CHING LOON	11938
60.	Ir. RAYMOND CHIEW HUEY SHENG	08592
61.	Ir. RAZMAHWATA BIN MOHAMAD RAZALLI	17029
62.	DATO' Ir. (DR.) SEO KIAN HAW, ANDY	13276
63.	Ir. SHAMURI BIN AMAT WARIDI	02581
64.	Ir. SIM HUI KHENG	19167
65.	Ir. DR TAN CHEE FAI	18343
66.	Ir. DR. TAN KUANG LEONG	13221
67.	Ir. DR. TAN YEAN CHIN	11712
68.	Ir. TANG CHOK KHING, VINCENT	07369
69.	Ir. PROF. DR. TEE TIAM TING	03303
70.	Ir. DR TEO FANG YENN	26373
71.	Ir. TEO KI YUEE	05701
72.	Ir. TIONG NGO PU	07252
73.	Ir. DR WANG HONG KOK	02364
74.	Ir. WONG CHEE FUI	20903
75.	Ir. YAM TEONG SIAN	05613
76.	Ir. YONG KEE CHIANG	01922
77.	Ir. ZULKIFLY BIN MADON	05132

SENIOR MEMBER

78.	Ir. AZIZUL AZUAN BIN SAHRUM @ MD. DAUD	17629
79.	Ir. CHUNG CHEE TUCK	14129
80.	Ir. DR LEE CHOO YONG	29738
81.	Ir. SOH CHENG SIM, ERIC	43063

MEMBER

82.	Ir. ABDUL HIJAN BIN ABDUL HALIM	86341
83.	Ir. ABDUL KALTHANI BIN ABDUL GHANI	05204
84.	Ir. ABDUL NASIR BIN MUSA	12489
85.	Ir. ABDUL RAZAK BIN YAKOB	59192
86.	Ir. ABDUL WAHED BIN DATO' HAJI RAHIM SHAIK	08587
87.	Ir. ABDULLAH BIN ISMAIL	07446
88.	Ir. ABDULLAH ZAWAWI BIN HAJI MOHD. NOOR	07661
89.	Ir. AHMAD MAYADI BIN ISMAIL	36844
90.	Ir. DR AIDIL BIN CHEE TAHIR	22249



91. Ir. ALFRED RITIKOS	06151	146. Ir. CHOONG PAK LIM	64594
92. Ir. AL-KHAIRI BIN MOHD DAUD	14670	147. Ir. CHOW SEI YING	01590
93. Ir. ANG BOH KHENG	02886	148. Ir. CHUAH RHUN RIANG	26229
94. DATO' Ir. KAPT.(B) HAJI ANUAR BIN YAHYA	16894	149. Ir. CHUAH TEONG SIANG	21160
95. Ir. ARULANANTHAN A/L A. THAMBY DORAI	22248	150. Ir. EDNA MATTHEW RUJI	81466
96. Ir. AZHAN BIN MOHAMAD	19085	151. Ir. FAUZUL AZAM BIN AZIZ	42606
97. Ir. AZIZI BIN AHAMAD	64636	152. MR. FERNG MEOW CHONG @	
98. Ir. AZMAN BIN YAHYA	49453	FENG MEOW CHONG	00682
99. Ir. AZRIL BIN ABDULLAH AZIZI	24407	153. Ir. FONG CHONG YIT	25644
100. Ir. BEH CHEE HWA	05851	154. Ir. FOO JONG WEE	07112
101. Ir. BEH KIM BOON	16294	155. Ir. FOO TIAN HUEI	11135
102. Ir. BEK PAN CHIN	21834	156. Ir. FOONG CHEE WAI	20563
103. Ir. BURHANUD-DIN BIN ISHAK	44108	157. Ir. FOONG KOK LI	87695
104. Ir. CADER MOHIDEEN MOHAMED		158. Ir. FRED DEVAKUMAR S/O	
ABOOCKER	13942	STEPHEN NAVARATNAM	04758
105. Ir. CHAI CHEN SING	19637	159. Ir. GAN KIN CHOON	08897
106. Ir. CHAN FOOK WAH	04112	160. Ir. GAN TIAN ENG	04904
107. Ir. CHAN HOE CHEONG	29066	161. Ir. GANESRAJSINGHAM VEERASINGAM	15485
108. Ir. CHAN HOOI SAN	49572	162. Ir. GOH CHEE ENG	04108
109. Ir. CHAN KAH HOE	06867	163. Ir. GOH CHIN HOCK	104260
110. Ir. CHAN SIN SANG	04750	164. Ir. GOH SHENG PUN	18185
111. Ir. CHAN YAW TECK	38631	165. Ir. GOH SU KIN	46865
112. Ir. CHAN YIN HAR	49407	166. Ir. GOON KID SENG	03800
113. Ir. CHANG CHEW LEONG	15783	167. Ir. GORCARAN SINGH @ GURCHARAN	
114. Ir. CHANG TZE WU	78997	SINGH A/L GURDIT SINGH	48131
115. Ir. CHANG YIT WAH	04523	168. Ir. HAN CHEE KEONG	21184
116. Ir. CHEANG SEIT KEONG	22717	169. Ir. HAN KING GUAN	07866
117. Ir. CHEN FUN CHIEN	25407	170. Ir. HARDI BIN DOLAH	51635
118. Ir. CHENG CHIN CHUAN	21201	171. Ir. HARZAH MASNI BINTI RAMLI	46807
119. Ir. CHENG KAM HON	28830	172. Ir. DR. HAZLEE AZIL BIN ILLIAS	52562
120. Ir. CHEONG CHEE KWONG	04417	173. Ir. HIEW LEE CHING	12270
121. Ir. CHEONG CHOONG FIEE	08370	174. Ir. HII WEE SIAN	102030
122. Ir. CHEONG KOK PENG	23411	175. Ir. HO CHOON KWANG	17178
123. Ir. CHEONG KOK SANG	14885	176. Ir. HO SAI SAN	20855
124. Ir. CHEONG LOONG KWONG	11815	177. Ir. HO SWEE CHEONG	15641
125. Ir. CHEONG YOON KWAN	15455	178. Ir. HOONG FARN CHEONG, ALVIN	30798
126. Ir. CHEU TECK SEN, MARCUS	38598	179. Ir. HOR KOK LUEN	60074
127. Ir. CHEW GIM CHENG	02911	180. Ir. HOR MIN SEN	12767
128. Ir. CHEW LEAK YAN	16406	181. Ir. HOR YUEN KWAN	17680
129. Ir. CHIA BAN CHING	46741	182. Ir. ISKANDAR BIN NGAH	13933
130. Ir. CHIANG SEOW JUAT	05658	183. Ir. JAGATHISEN S/O SIVA PERUMAL	05107
131. Ir. CHIEW AH PENG	02787	184. Ir. JAGJEET SINGH SIDHU A/L	
132. Ir. CHIEW SING HUAT	18229	CHARAN SINGH	07146
133. Ir. CHIN MIN FONG, CORNELIUS	79381	185. Ir. JASVINDER SINGH	12812
134. Ir. CHIN YIT KHUAN	13399	186. Ir. JEYAPALAN SELVADURAI	04051
135. Ir. CHIN YUEN YU, DESMOND	22088	187. Ir. KAMAL BHAREEN BIN EMBONG	13636
136. Ir. CH'NG HUEY KHIM	38592	188. Ir. KAMALENDRAN A/L N. RAJASVARAN	22641
137. Ir. CHONG CHEE YEN	18782	189. Ir. KENG LIP KHAI	41299
138. Ir. CHONG CHI KOONG	18794	190. Ir. KHOO CHEE MIN	19556
139. Ir. CHONG CHOOI KONG @ CHONG KEE	25835	191. Ir. KHOON SHIH HSIEN	28399
140. Ir. CHONG FOOK CHOW	03956	192. Ir. KHOR KONG CHONG	13301
141. Ir. CHONG ING ING	20965	193. Ir. KIEW KEOK KHING	44609
142. Ir. CHONG KIAN WEI	35768	194. Ir. KOAY CHEOH THEAM	13451
143. Ir. CHONG SWEE CHOON	08637	195. Ir. KOH FONG CHONG	16620
144. Ir. CHONG TJUN YIE	52531	196. Ir. KOH YOU ZHEN	29370
145. Ir. CHOONG KAH CHUN	20532	197. Ir. KOK VUI TEK	45255



198. Ir. KOK YEN KWAN	22574	253. Ir. LIM EE CHUI	17376
199. Ir. KON CHAU HWA	05026	254. Ir. LIM LIK	06752
200. Ir. KONG SIN KOOI	08312	255. Ir. LIM MING SHIAN	75263
201. Ir. KONG YIK KHAI	79266	256. Ir. LIM POO LEE	05448
202. Ir. KU PING HEE	09180	257. Ir. LIM TIAN LU	12778
203. Ir. DR. LAI KHIN WEE	54322	258. Ir. LIM YOKE LEE	25875
204. Ir. LALCHAND A/L GULABRAI	17881	259. Ir. LING TIENG KOOI	24061
205. Ir. LAM KAI EN	75460	260. Ir. LING YANG MING	78075
206. Ir. LAU ENG KEE	21721	261. Ir. LIT MOON CHEW	04688
207. Ir. PROF DR. LAU HIENG HO	18741	262. Ir. LOI TUCK CHOW	18933
208. Ir. LAU HOW SIONG	13960	263. Ir. LOK WAI LUN @ REINEKE LOK	19709
209. Ir. LAU HUI LEONG	29697	264. Ir. LOO WEN SIANG	05655
210. Ir. LAU LEE YENG	07826	265. Ir. LOOI HUAT CHUAN	15077
211. Ir. LAW SOON GUAN	62055	266. Ir. LOW JOO SOON	18571
212. Ir. LEE AH SOON	01313	267. Ir. LOW KOK SIONG, IVAN	102448
213. Ir. LEE CHOUN MUN	25594	268. Ir. MAH PENG CHEAH	13724
214. Ir. LEE CHOW KHWENG	06025	269. Ir. MAH SIEW KIEN	66450
215. Ir. LEE DERK CHYUAN	100748	270. Ir. MAH WAY SHENG	30694
216. Ir. LEE FUNG YING	58132	271. Ir. MAN ABISUFFIAN BIN AHMAD	04959
217. Ir. LEE GHIM PENG	21921	272. Ir. MD. NUJID BIN ISMAIL	06158
218. Ir. LEE HAN CHEE	12016	273. Ir. MEGAT MUKHTAR BIN MEGAT NASIR	03568
219. Ir. LEE HAN WOON	43620	274. Ir. MEGAT SUWARDI BIN SAID	23677
220. Ir. LEE KONG SONG	09196	275. Ir. MEJ. (B) MICHAEL CHAN	03276
221. Ir. LEE LIT HENG	01752	276. Ir. MOHAMAD BIN JAFFAR	09966
222. Ir. LEE LOI KONG	26909	277. Ir. MOHAMAD HANAFI BIN RAMLI	13487
223. Ir. LEE LOONG TAT	12271	278. Ir. MOHAMAD SHAHRIL BIN YOPE @ YAHYA	14960
224. Ir. LEE SHEU TIONG	06606	279. Ir. MOHAMED IZHAM BIN HAMZAH	93521
225. Ir. LEE SONG HUAT	06000	280. Ir. MOHD AZHA BIN ABU SAMAH	16254
226. Ir. LEE SU YEN	29761	281. DATO' Ir. MOHD AZMI BIN ISMAIL	56803
227. Ir. LEE TOUNG TIAN	22332	282. Ir. MOHD FARHAN BIN HUSIN	56378
228. Ir. LEE TUCK CHOY	08001	283. Ir. MOHD HAMBALI BIN MOHAMMAD ZUBIR	49362
229. Ir. LEE WEE CHU	06369	284. Ir. MOHD NAZRI BIN SHAARI	32692
230. Ir. LEE WEI CHOEW	45790	285. Ir. MOHD NIZA BIN WAN ZAIN	05184
231. Ir. LEE WOEI KHANG	23626	286. Ir. MOHD RAWAWI BIN AWANG NGAH	84915
232. Ir. LEE ZI SHUN	61171	287. Ir. HJ. MOHD REDZUAN BIN MOHD RAMLI	13780
233. Ir. LEONG CHEE TUCK	09665	288. Ir. MOHD SHAIFUL AZLI BIN MOHD SALLEH	52573
234. Ir. LEONG CHENG THIM	03052	289. Ir. MOHD ZAILANI BIN MOD NOR	33942
235. Ir. LEONG KONG HENG	05483	290. DATO' Ir. MOHD. ZAHARI BIN MANSOR	05242
236. Ir. LEONG LAI MEE	39997	291. Ir. MOHD. ZAMRI BIN ALIAS	16030
237. Ir. LEOW JIA HUI	29191	292. Ir. DR. MUJ KAI YIN	18773
238. Ir. LI THANG FAI	15803	293. Ir. MUSTAFFA KAMAL BIN ARIFFIN	38710
239. Ir. LIAN HIN SEONG	99503	294. Ir. NG BAN FOUN	80674
240. Ir. LIEW CHEE SEONG	21265	295. Ir. NG BENG HOOI	25057
241. Ir. LIEW HOCK CHONG, KINGTON	30803	296. Ir. NG BOON KIAT	18171
242. Ir. LIEW KA WEI	24734	297. Ir. NG BOON SAI	15131
243. Ir. LIEW KHEE LEONG @ LAM KHEE LEONG	14505	298. Ir. NG CHENG SINN	19500
244. Ir. LIEW KIAN LEE	29065	299. Ir. NG JIA LIN	28394
245. Ir. LIEW WEN TAT	37219	300. Ir. NG JIN SENG	15807
246. Ir. LIEW YOKE LOY	07875	301. Ir. NG JING PENG	22030
247. Ir. LIM CHEE PENG	04530	302. Ir. NG LAM ANN	22385
248. Ir. LIM CHEE SIONG	20400	303. Ir. NG MIN LI	24064
249. Ir. LIM CHIN CHENG	24253	304. Ir. NG ROBERT	01655
250. Ir. LIM CHIN KEAT	07526	305. Ir. DR NG SOON CHING	30662
251. Ir. LIM CHING SOON	07013	306. Ir. NG TEIK POH	13463
252. Ir. LIM CHOI TECK	03787		



307. Ir. NG TENG POH	04885	362. Ir. TAN LIP JIN	16493
308. Ir. NG TENG SOON	18585	363. Ir. TAN SEE KOK	02152
309. Ir. NG WENG SUM	20970	364. Ir. TAN TECK SIONG	56123
310. Ir. NG YEN YEE	33777	365. Ir. TAN WANG KHAI	28838
311. Ir. NG YONG KONG	05043	366. Ir. TAN WEI MIN	20587
312. Ir. NGU KAT LUNG	59931	367. Ir. TANG CHIN CHUAI	14282
313. Ir. NIZAMUDEEN BIN MANSOOR	17436	368. Ir. TANG KAM SIEW	99243
314. Ir. NORULHAKIMA BINTI ZAKARIA	43147	369. Ir. TANG KIN HENG	28599
315. Ir. NUR AZHANI BINTI MOHAMAD ROSLI	100933	370. Ir. TANG KOK CHU	38717
316. Ir. NURUL MUKMIN BIN ABDUL RAHIM	41983	371. Ir. TANG KUAN PUI	42548
317. Ir. ONG BENG HOE	12715	372. Ir. TANG KWANG	21897
318. Ir. ONG TANG KOOK	14229	373. DR. TAY CHING EN MARCUS	34906
319. Ir. ONG TEIK CHUAN	38676	374. Ir. TEH HAN HENG	13295
320. Ir. ONG YE POO	12282	375. Ir. TEH SEE TEE	08139
321. Ir. OOI HOCK LYE	15897	376. Ir. TEJINDER SINGH	20656
322. Ir. OOI MONG LEE, WENDY	64541	377. Ir. TEN PANG SIN	19972
323. Ir. PAN WANG FOOK	25461	378. Ir. TENG YIEN CHEN	16926
324. Ir. PANG KIA KIM	22014	379. Ir. TENGKU SALEHUDIN BIN TENGKU BAKAR	12504
325. Ir. PANG SAN MOH	14936	380. Ir. TEO KOK PING	65205
326. Ir. PHAN YAU KAM	09959	381. Ir. TEO LI KIAT, DESMOND	28409
327. Ir. POH BOON CHAW	03195	382. Ir. TEOH BOON LAI	16559
328. Ir. POH RUNNY	09702	383. Ir. TEYO ENG CHONG	36313
329. Ir. POR TEONG HOOI	49415	384. Ir. TING CHEK CHOON	24754
330. Ir. PRAKASH RAO A/L SANNASY	30860	385. Ir. TIONG CHOONG HAN	20890
331. Ir. PU CHUAN HSIAN	23268	386. Ir. TOK CHYE HOCK	93751
332. Ir. RAVINDRA MASILAMONEY	18416	387. Ir. TU YONG ENG	15448
333. Ir. RUEBEN MICHAEL A/L ANTHONY SAMY	28844	388. Ir. TUNG YEE LYN	28041
334. Ir. RUSNIDA BINTI TALIB	43183	389. Ir. VIGNAESWARAN A/L SHANMUGANATHAN	66446
335. Ir. S YOGAN A/L K SATHIYAGNANY	18411	390. Ir. WAN MOHD AZHAR HUSSEIN BIN WAN OMAR	59138
336. Ir. DR SAFARI BIN HJ MAT DESA	30537	391. Ir. WANG TAI FONG	20366
337. Ir. SAHANAN BIN SAADUN	29009	392. Ir. WONG CHUZE KEONG	19051
338. Ir. SELVA SUKANTHIRAN A/L KARUPPAIAH	10437	393. Ir. WONG HUAN YONG	12895
339. Ir. SEW SHUH TYNG	11409	394. Ir. WONG KHEE VEAI	23761
340. Ir. SEW YUH LING	09618	395. Ir. WONG KIM YEN	01450
341. Ir. SHUHAILI BIN MOHAMAD	25108	396. Ir. WONG KOH SANG	12219
342. Ir. SHUKHEN DUTT	15781	397. Ir. WONG MIOW SONG	03699
343. Ir. SHUM KENG YAN	14287	398. Ir. WONG SAI YONG	16359
344. Ir. EUR. ING. SINASAMY SUBRAMANIAM	20491	399. Ir. WONG SIEW YEE	39963
345. Ir. DR. SIOW CHUN LIM	79391	400. Ir. WONG SIEW ON	03830
346. Ir. SOH ENG LU	13872	401. Ir. WONG TAI POH	13736
347. Ir. SOO CHING LINN	03300	402. Ir. WONG TUCK YOON	12228
348. Ir. SUGUNESAN A/L GUNALAN	54221	403. Ir. WONG WEE CHEE	34304
349. Ir. SUKHAIRUL NIZAM BIN ABDUL RAZAK	48536	404. Ir. WONG YEE CHEN	14308
350. Ir. SYED RAJAH HUSSAIN SHAIB BIN A.H. MOHD HANIFF	49687	405. Ir. YAP CHEE HONG	41245
351. Ir. TAM SHUI YEN	09090	406. Ir. YAP CHEE MIN	20106
352. Ir. TAN CHIN LENG	29618	407. Ir. YAP ENG KEAT	20732
353. Ir. TAN ENG HOCK	13217	408. Ir. YAP KIM CHUAN	20882
354. Ir. TAN HONG MEOW	06222	409. Ir. YAP LEE CHOR	09416
355. Ir. TAN HUA CHUN	21296	410. Ir. YAP WEE GHIAN	28298
356. Ir. TAN KA YUEN	18238	411. Ir. YAP WOUI KIEN	18600
357. Ir. TAN KANG SWEE, ERIC	21727	412. Ir. YASOTHA RAMACHANDRAN CHETTY	58128
358. Ir. TAN KAR ENG	13812	413. Ir. YAU ANN NIAN	15421
359. Ir. TAN KIAN ENG	12351	414. Ir. YAU CHAU FONG	20215
360. Ir. TAN KIAN SOON	18938		
361. Ir. TAN KIM THIN	14199		



415. Ir. YEE KIEN PENG	27565
416. Ir. YEE THIEN SENG	03177
417. Ir. DR. YEOH HAK KOON	15203
418. Ir. YEOH SIK CHING	06707
419. Ir. YEONG CHIN CHOW	18660
420. Ir. YONG HUI FOONG	38321
421. Ir. YU JIN MIN	09084
422. Ir. ZULKARNAIN BIN MUSA	12584
423. Ir. ZULKEFLEE BIN KHALIDIN	04582

COMPANION

424. MR. TOH BIN TEE	105504
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GRADUATE

425. MR. ARUN A/L RAJENDRAN	56343
426. MR. BONG NEE SHIN, VICTOR	72205
427. DR. BOON CHIA WENG	70646
428. MR. CHONG YI QIN, VINCENT	102266
429. MR. DINESH MANOHARAN	96025
430. MS. HABIBAH @ NOREHAN BT. HAJI HARON	15601
431. MR. KEE SOON YU	61862
432. DR. LAU CHEE YONG	87500
433. MS. LAU CHUI CHUI, MICHELLE	61181
434. MR. LEE CHEE LEONG	100665
435. MS. LOGHESWARY A/PNAGARETHINAM	88784
436. MR. LOONG JI WEI	102268
437. MR. MOHD HAMRI BIN ABDUL HAMID	53735
438. MR. MUHAMMAD SADIQ BIN MOHD ANIPAH	104289
439. DR. NOR ILIA ANISA BINTI ARIS	29428
440. MR. RAMESH SUGAN A/L RAJENDRAN	79027
441. MR. TEO PENG KEAT	81313
442. MR. WONG ZHI LI	37279
443. MR. YEAP GIK HONG	66074

STUDENT

444. SDR. AMIRUL EZANI BIN RAMLI	78751
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**MINIT MESYUARAT AGUNG TAHUNAN YANG KE - 60, INSTITUSI JURUTERA MALAYSIA
YANG DIADAKAN PADA 20 APRIL 2019 BERTEMPAT DI AUDITORIUM MALAKOFF,
WISMA IEM, PETALING JAYA PADA PUKUL 09:00 PAGI**

SENARAI AHLI-AHLI YANG HADIR - SEPERTI DI LAMPIRAN A

1.0 KATA-KATA ALUAN OLEH YANG DIPERTUA

- 1.1 Yang DiPertua, Ir. David Lai Kong Phooi mengucapkan terima kasih dan mengalu-alukan kehadiran para ahli ke Mesyuarat Agung Tahunan yang ke-60. Beliau juga mengalu-alukan kehadiran para Bekas Yang DiPertua dan Pengerusi-pengerusi cawangan-cawangan IEM. Beliau kemudian memaklumkan bahawa tiga bilik yang berbeza adalah digunakan untuk Mesyuarat Agung Tahunan, iaitu Auditorium Malakoff di tingkat bawah yang akan menjadi ruang utama, Bilik Kuliah C & S / TUS bertempat di tingkat 2 dan akhir sekali Auditorium Tan Sri Prof Chin Fung Kee yang terletak di tingkat 3.

Yang DiPertua memaklumkan bahawa persidangan video akan diadakan di kedua-dua bilik di tingkat dua dan tingkat tiga (Auditorium Tan Sri Prof Ir. Chin Fung Kee dan bilik kuliah C & S / TUSTD). Yang DiPertua juga memberitahu bahawa Urusetia akan ditempatkan di setiap bilik untuk membantu ahli-ahli semasa Mesyuarat Agung Tahunan (MAT) berlangsung. Yang DiPertua kemudiannya meminta ahli-ahli untuk memberitahu nama dan nombor keahlian semasa sesi soal jawab untuk tujuan rekod.

MAT kemudiannya dimaklumkan berkenaan perkara-perkara penting yang telah berlaku dalam sesi 2018/2019.

1.2 Peristiwa Penting Sesi 2019/2020

Yang DiPertua memaklumkan bahawa bilangan keahlian IEM kini telah melebihi 50,000 iaitu seramai 50,281 dari pelbagai gred keahlian. Angka ini bagaimanapun telah mencapai 50% dari sasaran 100,000 menjelang tahun 2020 seperti yang diberikan oleh Ir. Vincent Chen Kim Kieong Bekas Yang di-Pertua IEM.

IEM baru-baru ini telah menandatangani Memorandum Persefahaman (MOU) dengan beberapa institusi pengajian tinggi dan pertubuhan. Antaranya adalah Kolej Universiti Tunku Abdul Rahman (TAR UC) pada 7 Mei 2018, Universiti SEGi pada 1 Jun 2018, "Iraqi Engineers Union" pada 12 Julai 2018, Universiti Manipal pada 8 Ogos 2018 dan Universiti MAHSA pada 22 Disember 2018. Selain dari itu, IEM juga telah menandatangani MOU bersama China Association of Science and Technology (CAST) pada 22 November 2018 di Xian, China dan beberapa Institusi Pengajian Tinggi Awam (IPTA) tempatan termasuk Universiti Malaysia Perlis (UniMAP) pada 26 Oktober 2018 di Kangar, Perlis yang disaksikan oleh Yang Teramat Mulia Raja Muda Perlis.

Yang DiPertua seterusnya memaklumkan MAT bahawa IEM juga telah membuat beberapa kunjungan hormat serta dialog dengan pelbagai Kementerian seperti kunjungan hormat ke pejabat Datuk Seri Ir. Dr Zaini Ujang, Ketua Setiausaha Kementerian Tenaga, Teknologi Hijau dan Air (KeTTHA) pada 1 Jun 2018 dan YB Puan Yeo Bee Yin, Menteri Tenaga, Sains, Teknologi, Alam Sekitar dan Perubahan Iklim (MESTECC) pada 3 Ogos 2018. IEM telah menerima lawatan dari Dr Rishi Gupta, Pengerusi Hal Ehwal Antarabangsa bagi "Canadian Society", Kejuruteraan Awam pada 28 Ogos 2018. Di samping itu, "Nigerian Society of Engineers" telah melawat IEM pada 19 November 2018 dan "Chinese Institute of Electronics" pada 12 Disember 2018.

MAT turut dimaklumkan bahawa IEM telah melawat pejabat Pengerusi CIDB, Y.Bhg Tan Sri Dr Ir. Ahmad Tajuddin Ali pada 26 Oktober 2018. Kunjungan hormat juga telah dianjurkan ke Pejabat Perdana Menteri, Yang Amat Berhormat Tun Dr Mahathir Mohamad pada 29 Oktober 2018.

Yang DiPertua juga memaklumkan MAT bahawa IEM telah mengambil bahagian dalam aktiviti-aktiviti dan mesyuarat-mesyuarat antarabangsa sepanjang sesi 2018/2019 seperti berikut:

- *Mesyuarat Agong FEIAP yang ke-26 dari 11 - 14 Julai 2018 di Ipoh, Perak.*
- *Persidangan Antarabangsa "Women in Science, Engineering and Technology" yang ke-2, (WiSET 2018) telah dianjurkan pada 17-19 Julai 2018 di Pusat Konvensyen Kuala Lumpur*
- *Hari Keluarga IEM telah diadakan di Persada PLUS pada hari Ahad 29 Julai 2018*
- *Larian Jurutera IEM telah dianjurkan dengan jayanya pada 12 Ogos 2018 di Stadium Universiti Putra Malaysia. Larian tersebut telah disertai oleh lebih daripada 1,000 orang peserta*
- *Pertandingan STEM IEM serta Upacara Penutup Minggu Kejuruteraan IEM telah dianjurkan pada 18 Ogos 2018 bertempat di Monash University Malaysia, Petaling Jaya*
- *CAFEO 36 telah dianjurkan dari 12 - 14 November 2018 di Singapura dengan penganugerahan "AFEO Distinguished Honorary Patron 2018" kepada YAB Tun Dr Mahathir Mohamad, Perdana Menteri Malaysia pada 13 November 2018 di Singapura*



2.0 PENGESAHAN MINIT MESYUARAT AGUNG TAHUNAN KE-50 YANG DIADAKAN PADA 21 APRIL 2018

Yang DiPertua menjemput para ahli yang hadir untuk menyemak minit mesyuarat agung tahun lepas dari muka surat 73 hingga 83 serta senarai kehadiran ahli dari muka surat 84 hingga 87. Terjemahan minit tersebut dalam Bahasa Malaysia telah dicetak dari muka surat 88 hingga 98.

Ir. Peter Han Seng Kong (F13421) memaklumkan bahawa terdapat kesilapan pada perkara 4.5 (muka surat 75). MAT dimaklumkan bahawa beliau bukan pengerusi Jawatankuasa Kecil Buku Log. Pengerusi sebenarnya adalah Ir. Abdul Razak bin Yakob.

Ir. Gan Tian Eng (M04904) meminta MAT ke Senarai Kehadiran Ahli pada muka surat 85 di mana beberapa orang ahli IEM diberi gelaran "MR." dan bukannya "Ir.". Yang DiPertua mengambil maklum perkara tersebut dan membalas bahawa pembetulan akan dibuat.

Ir. Mohamed Ali bin Yusoff (F01974) memaklumkan bahawa nama beliau tiada dalam senarai kehadiran tersebut walaupun beliau menghadiri mesyuarat agung tahun lepas. Yang DiPertua mengatakan bahawa pembetulan akan dibuat.

Memandangkan tidak ada kesilapan lain dalam minit tersebut, YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) mencadangkan minit Mesyuarat Agung Tahunan ke-59 yang diadakan pada 21 April 2018 disahkan. Usul itu disokong oleh Ir. Dr Lee Yun Fook (F38707).

3.0 PERKARA-PERKARA BERBANGKIT

Yang DiPertua meneruskan dengan perkara berbangkit dan memberikan penjelasan mengenai perkara-perkara berikut:

Perkata 4.19.1 – muka surat 76

Permudahan Proses Keahlian

MAT dimaklumkan bahawa langkah-langkah sedang diambil untuk mempermudah proses serta penyerahan borang permohonan. MAT juga mendapati penambahan ahli bagi gred "Companion" masih sangat rendah dengan hanya empat (4) permohonan sepanjang tahun 2018/2019.

Perubahan nama bagi gred "Companion" akan dibincang bersama-sama cadangan pindaan Perlembagaan dan Undang-undang Pertubuhan.

Berkenaan kehilangan para ahli, MAT dimaklumkan bahawa IEM telah mengkaji pelbagai cara untuk mengekalkan keahlian di mana salah satunya adalah menyediakan lebih banyak manfaat kepada para ahli. Beberapa diskaun dari pelbagai pembekal perkhidmatan telah diperolehi untuk para ahli IEM. Sebagai salah satu cara membantu Ahli Siswa, IEM juga telah melaksanakan program di mana peluang pekerjaan dihantar melalui emel terus kepada ahli yang memenuhi syarat pengiklan jawatan kosong.

IEM juga bekerjasama dengan Talentcorp yang akan menghantar iklan-iklan jawatan kosong dari bidang kejuruteraan ke IEM untuk dipanjangkan kepada para ahli IEM. Jawatankuasa Kerja Kemasukan dan Latihan Praktik juga dalam proses menjadikan gred keahlian lebih bermakna dengan "E-Mentoring" (*kini dalam proses implementasi*).

Di samping itu, Skim Buku Log IEM yang diberi nama baharu iaitu "Engineering Competency Development" kini dalam proses penambahbaikan demi memberi bantuan / bimbingan yang lebih baik kepada para Ahli Siswazah. Satu anugerah baru juga telah diperkenalkan untuk para "Mentor" sebagai galakan kepada para Ahli Korporat untuk tampil dan memberikan khidmat nasihat sebagai Mentor.

Ir. Vincent Chen Kim Kieong (HF05128) telah memberi komen berkenaan perkara 4.19.1 berkenaan "Ahli Senior" di mana beliau mencadangkan supaya yuran dikurangkan dari RM210 kepada RM155 dan juga mempermudah proses permohonan dengan menjadikannya pemindahan secara automatik. Beliau berpendapat bahawa usaha memperkembangkan gred ini tidak mencukupi. Beliau juga mengingatkan MAT bahawa syarat Ahli Senior yang dinyatakan dalam Perlembagaan IEM adalah sekurang-kurangnya sepuluh (10) tahun sebagai Ahli atau limabelas (15) tahun pengalaman selepas tiga (3) tahun sebagai Ahli.

Ir. Vincent Chen Kim Kieong (HF05128) berpendapat bahawa keahlian gred ini adalah rendah kerana yuran keahlian yang agak tinggi dan keperluan mengemukakan borang permohonan. Beliau kemudiannya mencadangkan supaya pihak Majlis IEM mengkaji perkara ini sekali lagi dari segi pengurangan yuran kepada kadar yang sama dengan gred Ahli dan proses pemindahan secara automatik.

Beliau berpendapat bahawa jika tidak ada sebarang tindakan, bilangan ahli gred ini tidak akan bertambah.

Ir. Vincent Chen Kim Kieong (HF05128) juga bersetuju dengan penukaran nama gred "Companion" kepada "Senior Graduate Member" tetapi berpendapat bahawa permohonan sepatutnya secara automatik. Beliau berpendapat bahawa selagi seseorang ahli Siswazah memenuhi syarat lapan (8) tahun pengalaman selepas bergraduasi, pemindahan ke gred "Senior Graduate Member" sepatutnya adalah secara automatik.



Ir. Vincent Chen Kim Kieong (HF05128) seterusnya menyoal berkenaan keahlian IEM. Beliau memaklumkan MAT bahawa keahlian tahun lepas adalah seramai 46,555 dan tahun ini, bilangan hanya dapat mencapai 50,000. Beliau juga mengingatkan MAT bahawa lebih kurang 21,000 adalah terdiri daripada ahli Siswazah dan jika bilangan ini dikeluarkan daripada jumlah tersebut, maka bakinya merupakan bilangan keahlian yang terdiri daripada para jurutera berdaftar.

MAT seterusnya mengambil maklum bahawa bilangan jurutera siswazah yang berdaftar dengan Lembaga Jurutera Malaysia (LJM) berjumlah lebih kurang 116,708 berbanding bilangan ahli Siswazah IEM seramai 9,584 iaitu hanya 8.2% daripada jumlah yang berdaftar dengan LJM. Beliau seterusnya menjelaskan analisis tentang keahlian IEM dari tahun 2015 sehingga 2019 (*tidak termasuk gred Siswazah*) adalah 20,752 (2015), 19,864 (2016), 21,280 (2017), 21,872 (2018) dan 21,448 (2019). Beliau mengatakan bahawa bilangan ahli jurutera tahun 2019 adalah kurang daripada tahun 2018 yang menunjukkan sebenarnya bilangan keahlian IEM tidak bertambah dalam lima tahun yang terdekat ini. Beliau menegaskan bahawa perkara ini patut diberi perhatian serius oleh pihak Majlis IEM.

Yang DiPertua mengucapkan terima kasih kepada Ir. Vincent Chen di atas analisis terperinci yang telah diberikan. Walaupun mengakui analisis Ir. Vincent Chen dari segi keseluruhan bilangan keahlian IEM, Yang DiPertua menegaskan bahawa bilangan Ahli Korporat IEM telah bertambah seramai lebih kurang 800 iaitu dari 10,230 ke 11,048. Berkenaan bilangan Jurutera Siswazah yang berdaftar dengan LJM seramai 116,708, Yang di-Pertua menjelaskan bahawa bilangan ini adalah daripada pendaftaran beramai-ramai di atas persefahaman antara LJM dengan universiti-universiti awam. Yang DiPertua juga memaklumkan bahawa LJM mengeluarkan satu peruntukan kepada pihak universiti untuk membayar yuran pendaftaran para graduan sebagai Jurutera Siswazah dengan LJM. Oleh yang demikian, IEM sememangnya tidak dapat menandingi LJM disebabkan kekurangan IEM dari segi kewangan. Namun begitu IEM mempunyai skim-skim lain seperti anugerah buku dan biasiswa-biasiswa. Selain dari itu, dalam peruntukkan MOU yang telah ditandatangani, IEM diberi peluang untuk membuat pameran untuk menggalakkan pelajar-pelajar yang bakal bergraduasi untuk menjadi ahli IEM.

Isu berkenaan pengurangan yuran langganan untuk Ahli Senior, Yang DiPertua bersetuju bahawa terdapat mekanisme untuk memudahkan proses untuk kenaikan ke gred tersebut dan berjanji untuk membawa isu untuk perbincangan dalam mesyuarat Majlis.

YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) berkata pendaftaran dengan Lembaga Jurutera Malaysia (LJM) adalah wajib mengikut undang-undang di mana semua siswazah kejuruteraan perlu berdaftar dengan LJM jika ingin bekerja sebagai Jurutera. IEM merupakan "professional learned society" di mana ia tidak mewajibkan para siswazah untuk mendaftar sebagai ahli. YBhg. Ahli Akademik Dato' Chuah seterusnya memaklumkan MAT bahawa LMJ hanya memerlukan satu kali bayaran yuran sahaja berbanding yuran tahunan IEM dan ini merupakan penyebab utama kekurangan bilangan ahli Siswazah IEM berbanding Jurutera Siswazah LJM.

Namun, YBhg. Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) berharap IEM dapat memainkan peranan yang lebih agresif untuk merekrut pelajar kejuruteraan untuk menjadi ahli IEM dan seterusnya dapat menggalakkan mereka untuk memindahkan gred ke ahli Siswazah selepas mereka bergraduasi. Kemudiannya IEM perlu menyediakan lebih banyak aktiviti dan faedah untuk mengekalkan keahlian golongan ini.

Beliau seterusnya memaklumkan MAT bahawa IEM yang sebenarnya telah memulakan pendaftaran ahli Siswazah secara beramai-ramai dan bukannya LJM. Ini adalah kerana IEM telah menandatangani banyak Memorandum Persefahaman (MOU) dengan universiti-universiti tempatan. Ini adalah berikutan pengenalan gelaran "Engr." untuk ahli Siswazah dan langkah ini telah dicontohi oleh LJM.

Y.Bhg. Dato' Ir. Lim Chow Hock (HF02531) memuji usaha Ahli Majlis untuk meningkatkan keahlian IEM walaupun Y.Bhg. Dato' berpendapat keahlian untuk ahli Siswazah tidak menunjukkan peningkatan untuk beberapa tahun kebelakangan ini. Y.Bhg. Dato' juga bersetuju dengan saranan dari YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) untuk mengambil peluang ketika majlis graduasi berlangsung untuk menarik minat para Siswazah mendaftar sebagai ahli seterusnya mampu meningkatkan jumlah keahlian.

Ir. Mohd Radzi Salleh (F20112) turut bersetuju bahawa tiada peningkatan ketara untuk ahli Siswazah dan juga ahli Korporat kebelakangan ini. Justeru beliau berpendapat ia merupakan satu keperluan untuk IEM mengetahui sebab mengapa para Jurutera tidak berminat untuk menjadi ahli walau pun pelbagai usaha telah dilakukan seperti memperkenalkan "Loyalty Card" dan beberapa inisiatif yang lain. Beliau menekankan IEM perlu mengambil berat akan isu ini dan berusaha untuk mencari jalan penyelesaian.

Ir. Pick Eng Chong (HF01214) juga turut bersetuju dengan saranan Ir. Vincent Chen Kim Kieong's (HF05128) bahawa tiada banyak peningkatan jumlah keahlian untuk ahli Siswazah. Beliau menyarankan agar ahli Majlis yang baharu memperkenalkan mekanisme terkini untuk meningkatkan jumlah ahli Siswazah.

4.0 LAPORAN TAHUNAN SESI 2018/2019

Yang DiPertua seterusnya menjemput Setiausaha Kehormat, Ir. Mohd Khir bin Muhammad untuk membentangkan aktiviti dan acara yang telah dianjurkan pada tahun 2018 seperti yang tertera di mukasurat 105 hingga 108 di dalam Laporan Tahunan. Setiausaha Kehormat selanjutnya memaklumkan MAT mengenai tajuk / butiran masing-masing di halaman berikut:



4.1 Majlis dan Jawatankuasa Eksekutif

Untuk sesi 2018/2019, lima (5) mesyuarat Majlis telah dijalankan. Mesyuarat Majlis telah berbincang isu yang berkenaan dengan harta dan urusan Institusi. Sebanyak tiga belas (13) mesyuarat Jawatankuasa Eksekutif telah dijalankan pada sesi 2018/2019. Peranan Jawatankuasa Eksekutif adalah untuk melaksanakan keputusan yang telah diputuskan oleh Majlis.

4.2 Urusan Harian Institusi

Lapan (8) Jawatankuasa Tetap telah membantu operasi harian di IEM. Setiap Jawatankuasa Tetap dipengerusikan oleh Naib Yang di-Pertua kecuali Jawatankuasa Kewangan yang dipengerusikan oleh Timbalan Yang DiPertua.

4.3 Keahlian

Setiasaha Kehormat melaporkan jumlah keahlian adalah seramai 50,281. MAT menyatakan bahawa sehingga 31 Disember 2018, sejumlah 7,263 calon diluluskan untuk kemasukan / pemilihan / pemindahan ke pelbagai gred. Bagaimanapun, 2,617 ahli telah digantung keahlian mereka. Daripada ahli baharu yang direkrut, 4,563 adalah pelajar.

Dari segi pecahan keahlian oleh gred, Setiasaha Kehormat memaklumkan bahawa keahlian Pelajar mempunyai peratus yang paling tinggi iaitu 55% diikuti oleh Ahli Korporat (24%), Siswazah (19%), "Companion" (1%) dan gred lain (0.4 %).

Berhubung dengan pecahan keahlian oleh disiplin pula, Awam mempunyai bilangan tertinggi (15,891) diikuti oleh Mekanikal (12,270), Elektrikal (7,895), Kimia (3,270) dan disiplin lain (9,286).

4.4 Pendaftaran Antarabangsa

Bagi pendaftaran dan gabungan antarabangsa, dicatatkan bahawa bagi tahun 2018, 24 ahli telah mendaftar sebagai Jurutera ASEAN (ASEAN Eng), dan 16 telah diluluskan untuk Jurutera Bersekutu ASEAN (AAE) manakala 32 telah diluluskan untuk IPEA / APEC Pendaftar Jurutera Antarabangsa (IntPE).

4.5 Peperiksaan dan Kelayakan - Temuduga Profesional

MAT melaporkan untuk sesi 2018/2019, sejumlah 1265 calon telah menduduki Temuduga Profesional (PI). Sejumlah 755 calon telah lulus iaitu seramai 83.5%. Bilangan calon yang gagal PI adalah 210 iaitu seramai 16.5%. Sejumlah 223 calon masih menunggu keputusan mereka.

4.6 Penerbitan IEM

Setiasaha Kehormat memaklumkan kepada MAT bahawa dua belas (12) terbitan "Jurutera" - Buletin IEM telah diterbitkan pada 2018. Beliau melaporkan satu (1) terbitan jurnal telah diterbitkan pada tahun 2018. MAT dimaklumkan lagi bahawa IEM cuba untuk menggalakkan Buletin elektronik berbanding dengan cara konvensional – bukan hanya untuk mengurangkan kos tetapi juga untuk menjadi lebih mesra alam sekitar.

4.7 Peristiwa Akan Datang

Setiasaha Kehormat selanjutnya memaklumkan mengenai peristiwa yang akan datang seperti berikut:

- Majlis Makan Tahunan ke 60 Tahun, Sunway Resort Hotel & Spa pada 20 April 2019
- Hari Keluarga IEM 2019 pada 14 Julai 2019
- Larian Jurutera IEM 2019 pada 4 Ogos 2019
- Minggu Kejuruteraan 2019 dari 4 - 10 Ogos 2019
- Pertandingan IEM STEM 2019 pada 28 Ogos 2019

4.8 Anugerah Kecemerlangan Yang DiPertua (PAOE)

Setiasaha Kehormat kemudian mengumumkan keputusan Anugerah Kecemerlangan Yang DiPertua 2018 adalah seperti berikut:

<i>Pemenang</i>	<i>Bahagian Teknikal Kejuruteraan Elektrik</i>
<i>Tempat Kedua</i>	<i>Bahagian Teknikal Kejuruteraan Geoteknik</i>
<i>Tempat Ketiga</i>	<i>Bahagian Teknikal Kejuruteraan Awam dan Struktur</i>
<i>Tempat Keempat</i>	<i>Bahagian Teknikal Kejuruteraan Perkhidmatan Bangunan</i>
<i>Tempat Kelima</i>	<i>Bahagian Jurutera Wanita</i>
<i>Bahagian Yang Menunjukkan Peningkatan</i>	<i>Bahagian Teknikal Kejuruteraan Pertanian dan Makanan</i>



4.9 Program “Affinity” dan Diskaun Korporat

Setiasaha Kehormat memaklumkan sebahagian dari usaha IEM adalah untuk memberi lebih banyak manfaat kepada ahli IEM, beberapa peniaga telah mendaftar untuk memberikan diskaun kepada ahli IEM dalam pelbagai kategori seperti kereta (BMW, Mercedes-Benz, Volvo, Audi, Proton, dan lain-lain), hotel, penjagaan kesihatan, restoran dan sukan. Ahli yang masih belum memungut Kad Kesetiaan mereka diminta berbuat demikian melalui Urusetia IEM.

MAT selanjutnya dimaklumkan bahawa terdapat faedah lain yang ditempatkan untuk ahli seperti:

- Galeri Kerja yang membolehkan ahli memuat naik resume mereka ke Bank Resume. Majikan boleh menghantar maklumat kekosongan ke IEM dan ia akan dihantar melalui e-mel kepada ahli yang sesuai.
- Syarikat-syarikat yang telah menandatangani MOU dengan IEM boleh menghantar iklan kekosongan untuk diposkan di laman web IEM.
- Bekerjasama dengan Talentcorp - majikan yang ingin menggunakan jurutera IEM boleh berbuat demikian.

4.10 Memorandum Persefahaman (MOU)

Setiasaha Kehormat memaklumkan kepada MAT bahawa IEM telah menandatangani tiga (3) Memorandum Persefahaman (MOU) dengan badan professional asing dan sembilan (9) dengan Institusi Pengajian Tinggi (IHL) pada tahun 2018.

4.11 Cawangan IEM - Acara dan Lawatan

MAT dimaklumkan bahawa Cawangan Miri telah membeli premis baru pada tahun 2018. Beliau juga menyatakan bahawa Cawangan Perak menjadi tuan rumah Perhimpunan Agung FEIAP2018. MAT juga dimaklumkan bahawa Yang DiPertua telah melawat dua belas (12) Cawangan IEM untuk sesi 2018/2019.

Setiasaha Kehormat kemudian menyampaikan penghargaannya kepada Urusetia IEM di atas sokongan dan perkhidmatan mereka untuk Institusi.

4.12 Sesi Soalan - Laporan Tahunan

Yang DiPertua kemudian mengucapkan terima kasih kepada Setiasaha Kehormat dan terus membuka sesi soalan dari Auditorium Malakoff, Auditorium Chin Fung Kee dan juga di tingkat 2.

- 4.12.1. Ir. Vincent Chen Kim Kieong (HF05128) meminta merujuk kepada muka surat 110 di bawah perkara 5.4. Beliau memuji Jawatankuasa Kecil menggiatkan keahlian dan bimbingan kerjaya dalam usaha mereka meningkatkan keahlian termasuk mengadakan sesi dengan Institusi Pengajian Tinggi (IHL), mengadakan jelajah dan pengambilan ahli serta Memorandum Persefahaman (MOU) dengan IHL serta organisasi. Ir. Vincent Chen Kim Kieong (HF05128) mengucapkan tahniah kepada Jawatankuasa Kecil ini.

Beliau kemudian mencadangkan supaya isu keahlian Siswazah merupakan isu yang kekal dalam Agenda Jawatankuasa yang berkaitan terutamanya Jawatankuasa Tetap, Jawatankuasa Eksekutif dan Majlis. Ini adalah untuk memastikan isu ini dibincangkan dengan teliti supaya dapat membantu Jawatankuasa Kecil meningkatkan keahlian Siswazah.

Ir. Prof Dr Norlida Buniyamin (F13746) menjelaskan bahawa Jawatankuasa Tetap Kebajikan dan Hal Ehwal Perkhidmatan (WEL) telah melibatkan para peniaga untuk turut serta di dalam “Loyalty Card” dan ia merupakan salah satu faedah terbaharu yang diperkenalkan untuk para ahli.

Beliau menegaskan bahawa terdapat pelbagai faktor yang boleh membawa kepada penurunan ahli Siswazah. Walau bagaimanapun, Jawatankuasa Tetap Kemasukan dan Latihan Praktikal (APT) akan terus membantu Jawatankuasa Kecil untuk menambah ahli baharu. Yang DiPertua juga memaklumkan bahawa beliau berusaha untuk menggalakkan Jurutera dari sektor kerajaan dan swasta untuk menjadi ahli IEM. Beliau telah melawat agensi-agensi kerajaan dan berharap usaha selama dua belas (12) bulan yang akan datang akan membuahkan hasil. Yang DiPertua kemudian mengucapkan terima kasih kepada Ir. Vincent Chen Kim Kieong (Hon.F05128) kerana menimbulkan kebimbangannya mengenai isu ini.

Ir. Choo Kok Beng (HF02828) mengulas bahawa persoalan yang paling penting untuk difikirkan ialah sejauh mana IEM dapat memberi faedah kepada para ahli. Beliau juga menambah bahawa IEM harus mengubah arah dan berfikir cara pemikiran seorang ahli.

YBhg. Dato' Ir. Pang Leong Hoon (HF00015) memaklumkan bahawa IEM harus lebih bersikap proaktif dan berusaha untuk mempromosikan keahlian IEM kepada agensi-agensi kerajaan serta sektor swasta dalam bidang kejuruteraan. Yang DiPertua bersetuju bahawa IEM perlu menaikkan imejnya dalam komuniti kejuruteraan.

Ir. Vincent Chen Kim Kieong (HF05128) ingin mengetahui penjelasan pada muka surat 125 mengenai Jawatankuasa Khas mengenai Pindaan kepada Perlembagaan dan Undang-undang. Beliau bertanya tentang cara / proses bagaimana keputusan atau cadangan dibuat dan kemudiannya dibentangkan kepada Jawatankuasa Tetap Amalan Profesional.



Yang DiPertua selanjutnya menjelaskan bahawa cadangan-cadangan yang dibuat oleh Jawatankuasa Khas mengenai Pindaan kepada Perlembagaan dan Undang-Undang akan dibentangkan kepada Jawatankuasa Eksekutif untuk sebarang cadangan dan seterusnya kepada Majlis untuk tujuan kelulusan / pengesahan. Sekiranya terdapat sebarang cadangan oleh Majlis, isu tersebut akan dikembalikan semula kepada Jawatankuasa Eksekutif dan selepas itu kepada Jawatankuasa Khas untuk tindakan seterusnya.

Walau bagaimanapun, Ir. Vincent Chen Kim Kieong (HF05128) selanjutnya menyoal jumlah mesyuarat yang diadakan dan komposisi Jawatankuasa Khas mengenai Pindaan kepada Perlembagaan dan Undang-Undang. Beliau mengulas di muka surat 26 Laporan Tahunan, bahawa hanya terdapat satu (1) orang yang berkhidmat di dalam Jawatankuasa Khas dan mempersoalkan sama ada terdapat lebih ramai ahli atau tidak.

Ir. Lai Sze Ching (F04687) selanjutnya menjelaskan bahawa dia adalah satu-satunya ahli yang berkhidmat di dalam Jawatankuasa Khas mengenai Pindaan kepada Perlembagaan dan Undang-Undang dan tugasnya adalah untuk meminda Perlembagaan IEM dan Undang-Undang Kecil sekiranya ada permintaan untuk pindaan oleh Jawatankuasa Eksekutif atau Majlis. Sekiranya terdapat sebarang pindaan, Jawatankuasa Khas yang terdiri daripada Ir. Lai Sze Ching akan mengesyorkan kepada Jawatankuasa Eksekutif. Jawatankuasa Eksekutif akan membincangkan perkara tersebut sebelum dibentangkan kepada Majlis untuk tujuan kelulusan.

YBhg. Ahli Akademik Dato' Ir. Lee Yee Cheong (DHF00220) selanjutnya memaklumkan kepada MAT bahawa Jawatankuasa Khas mengenai Pindaan kepada Perlembagaan dan Undang-Undang hanya mempunyai satu (1) ahli Jawatankuasa sejak zaman mendiang Ahli Akademik Tan Sri Ir. (Dr) J. G. Daniel. Walau bagaimanapun, YBhg. Ahli Akademik Dato' menjelaskan bahawa terdapat beberapa tahun Jawatankuasa Khas mempunyai lebih ramai ahli tetapi ia bergantung kepada isu perbincangan. Beliau mengulas bahawa ahli-ahli MAT atau Majlis yang sepatutnya membuat pertanyaan dan bukannya bekas Yang di-Pertua yang sepatutnya lebih mengetahui mengenai proses tersebut.

Ir. Pick Eng Chong (HF01214) seterusnya mengulas bahawa pada masa itu, Jawatankuasa Khas mengenai Pindaan kepada Perlembagaan dan Undang-Undang mempunyai lebih ramai ahli yang mempunyai pengalaman atau latar belakang undang-undang kerana Jawatankuasa Eksekutif tidak mempunyai masa untuk membincangkan perkara-perkara perundangan. Oleh itu, beliau berpendapat bahawa isu ini perlu lebih diteliti.

Yang DiPertua kemudian menjelaskan bahawa Jawatankuasa Eksekutif telah membincangkan isu-isu mengenai pindaan kepada Perlembagaan dan Undang-Undang seperti yang disyorkan oleh Jawatankuasa Khas dan akan dibentangkan kepada Majlis untuk sebarang cadangan.

Ir. Vincent Chen Kim Kieong (HF05128) kemudian membalas kepada YBhg. Ahli Akademik Dato' Ir. Lee Yee Cheong (DHF00220) atas kenyataannya bahawa Bekas Yang DiPertua seharusnya lebih mengetahui dengan baik proses tersebut. Beliau seterusnya mengulas bahawa Jawatankuasa Khas mengenai Pindaan kepada Perlembagaan dan Undang-Undang telah dianggap sebagai Jawatankuasa penting kerana apa-apa perubahan yang dibuat kepada perlembagaan akan menjejaskan arah tuju Institusi. MAT dimaklumkan lagi apabila Jawatankuasa Khas dipengerusikan oleh mendiang Ahli Akademik Tan Sri Ir. (Dr) J. G. Daniel, YBhg. Dato' Ir. Pang Leong Hoon juga berkhidmat di dalam Jawatankuasa tersebut. Ir. Vincent Chen Kim Kieong (HF05128) selanjutnya menjelaskan bahawa selama beliau berkhidmat sebagai Yang DiPertua dari tahun 2011 hingga 2013, Ir. Pick Eng Chong mempunyai lima (5) hingga enam (6) orang ahli yang berkhidmat dalam Jawatankuasa Khas. Oleh itu, Ir. Vincent Chen Kim Kieong (HF05128) mencadangkan agar lebih ramai ahli yang berkhidmat di Jawatankuasa Khas dan bukannya hanya satu (1) selama empat (4) tahun kebelakangan ini. Yang DiPertua bersetuju untuk mengambil kira cadangan tersebut.

Ir. Dr Tan Yean Chin (F11712) menegaskan bahawa terpulang kepada MAT sama ada untuk menerima atau menolak Perlembagaan dan Undang-undang Kecil IEM yang telah digubal oleh Jawatankuasa Khas. Walau bagaimanapun, beliau juga bersetuju sekiranya terdapat lebih daripada satu (1) ahli yang berkhidmat di dalam Jawatankuasa Khas maka lebih banyak pandangan akan dapat dihasilkan.

Ir. Cader Mohideen Mohamed Aboobucker (M13942) memaklumkan MAT bahawa beliau adalah ahli Jawatankuasa Khas mengenai Pindaan kepada Perlembagaan dan Undang-undang yang dipengerusikan oleh mendiang Ahli Akademik Tan Sri Ir. (Dr) J. G. Daniel dan seterusnya oleh YBhg. Dato' Ir. Pang Leong Hoon. Walau bagaimanapun, beliau selanjutnya memaklumkan bahawa beliau tidak pernah menerima apa-apa surat yang menyatakan bahawa beliau tidak lagi berada dalam Jawatankuasa Khas. Yang di-Pertua mencadangkan bahawa Ir. C.M. Aboobucker (M13942) boleh dijemput sekali lagi untuk berkhidmat di dalam Jawatankuasa Khas Pindaan kepada Perlembagaan dan Undang-Undang. Pada isu berasingan, Ir. C.M. Aboobucker (M01394) turut mempersoalkan muka surat 106 mengenai disiplin kejuruteraan - "Bahan api" kerana terdapat dua (2) "Fellows" dan lain adalah "Umum" dan "Lain-lain" pada muka surat 107. Beliau meminta penjelasan mengenai klasifikasi disiplin kejuruteraan yang disebutkan.

Yang DiPertua menjelaskan bahawa klasifikasi itu terikat dengan peraturan LJM. Walau bagaimanapun, Yang DiPertua bersetuju untuk mendapatkan maklumat yang lebih terperinci mengenai disiplin kejuruteraan yang dinyatakan.

Oleh kerana tidak ada cadangan atau soalan lanjut dari ahli, Ir. Dr Tan Yean Chin (F11712) mencadangkan agar Laporan Tahunan tersebut diterima. Cadangan tersebut disokong oleh Ir. Wong Chee Fui (F20903).



5.0 AKAUN BAGI TAHUN BERAKHIR 31 DISEMBER 2018

5.1 Yang DiPertua kemudian menjemput Bendahari Kehormat, Ir. Dr. Tan Chee Fai untuk membentangkan penyata kewangan bagi Institusi Jurutera Malaysia bagi tempoh 1 Januari 2018 hingga 31 Disember 2018. Ir. Dr. Tan Chee Fai memaklumkan kepada MAT bahawa akaun yang dibentangkan adalah dari muka surat 164 hingga 191.

5.2 Bendahari Kehormat memaklumkan MAT bahawa penyata kewangan yang dibentangkan terdiri daripada dua (2) set akaun. Beliau memaklumkan bahawa angka-angka itu tidak termasuk kedudukan kewangan Cawangan IEM. MAT selanjutnya dimaklumkan bahawa Cawangan IEM akan memfailkan set laporan kewangan mereka sendiri dengan LHDN di negeri masing-masing. Bendahari Kehormat selanjutnya memaklumkan bahawa ruang yang ditandakan dengan "Kumpulan" merujuk kepada akaun Ibu Pejabat IEM, Pusat Latihan IEM (IEMTC) dan IEM Academy Sdn. Bhd. (IEMAS)

Bendahari Kehormat selanjutnya menjelaskan terdapat beberapa ruang di bawah "Institusi" ditinggalkan kosong di bawah "Kumpulan" disebabkan angka-angka pembayaran / penerimaan di antara IEM, Pusat Latihan IEM (IEMTC) dan IEM Academy Sdn Bhd (IEMASB) telah dihapuskan semasa penyatuan.

5.3 Bendahari Kehormat melaporkan bahawa jumlah pendapatan tahun 2018 adalah kira-kira RM5,113,070. Dilaporkan lagi bahawa langganan keahlian adalah jumlah terbesar dengan 65% dari jumlah pendapatan, diikuti dengan pendapatan sewa sebanyak 12.4% dan kemudiannya perkhidmatan institusi sebanyak 8.8%. Bendahari Kehormat seterusnya melaporkan bahawa jumlah pendapatan adalah lebih tinggi pada tahun 2018 berbanding 2017 disebabkan oleh penjualan harta IEM Cawangan Penang, dividen dari IEMTC dan juga pendapatan sewa dari Wisma IEM.

5.4 Kutipan Langganan Tahunan untuk tahun 2018 telah meningkat kepada 4.2% berbanding tahun 2017. Bendahari Kehormat seterusnya melaporkan bahawa pendapatan sewa menurun sebanyak 45%, pendapatan faedah menurun hingga 43%, komisen kad kredit meningkat kepada 1.4%, pendapatan daripada institusi perkhidmatan meningkat kepada 26%, perkhidmatan Urusetia meningkat kepada 48% dan pendapatan dari Bahagian Teknikal meningkat kepada 22%.

5.5 Bendahari Kehormat selanjutnya melaporkan bahawa jumlah perbelanjaan untuk tahun 2018 adalah RM6,081,431 iaitu peningkatan sebanyak 7.8% berbanding 2017 iaitu RM5,640,271. Peningkatan ini adalah dari ganjaran kakitangan iaitu 3.7% manakala perbelanjaan pentadbiran menurun sebanyak 2.5%, subsidi Cawangan menurun sebanyak 10%, susut nilai peralatan meningkat 8%, kos penyelenggaraan bangunan meningkat sebanyak 24% dan yuran langganan dihapuskan adalah meningkat sebanyak 61%.

5.6 Bendahari Kehormat seterusnya melaporkan bahawa penyumbang utama kepada jumlah perbelanjaan adalah ganjaran kakitangan dengan jumlah 46% manakala perbelanjaan pentadbiran adalah 21%, kos penyelenggaraan bangunan sebanyak 20%. Prestasi keseluruhan berbanding tahun 2017 adalah defisit berjumlah RM1,068,817 untuk 2018.

5.7 MAT juga dimaklumkan bahawa prestasi komparatif selama dua (2) tahun terakhir menunjukkan terdapat lebih RM1,823,390 untuk 2017. Walau bagaimanapun, untuk tahun 2018, terdapat defisit sebanyak RM1,068,817. Dilaporkan bahawa sewa untuk Wisma IEM untuk 2017 dari MKM adalah RM588K tetapi untuk 2018, sewa hanya sebanyak RM90,000. Jika ini diambil kira, lebih operasi / (defisit) adalah RM978,817.

Dikatakan juga bahawa dividen daripada IEMTC untuk tahun 2017 adalah defisit sebanyak RM489,289 manakala tiada untuk tahun 2018. Perbezaan keseluruhan dalam tempoh dua (2) tahun terakhir ialah RM288,300.

5.8 Bendahari Kehormat kemudian melaporkan perbandingan belanjawan selama dua tahun; 2017 dan 2018. Telah dilaporkan bahawa pada 2017, dijangkakan IEM akan mengalami defisit akibat kehilangan sewa dari anggaran belanjawan untuk 2018. Oleh yang demikian, seperti yang dianggarkan jumlah defisit ialah RM503,014. Walau bagaimanapun, belanjawan sebenar ialah RM1,608,817.

Bagi susut nilai, anggaran untuk 2018 adalah sebanyak RM550,000 manakala jumlah sebenarnya ialah RM660,204. Bagi belanjawan langganan dianggarkan sebanyak RM400,000 tetapi bagi angka sebenar ialah RM274,455.

Oleh itu, jumlah pendapatan yang dianggarkan ialah RM5,877,745 berbanding jumlah sebenarnya ialah RM5,113,070. MAT telah dimaklumkan bahawa jumlah perbelanjaan yang dianggarkan ialah RM6,380,760 berbanding jumlah sebenarnya adalah RM6,081,43.

5.9 MAT dimaklumkan bahawa aliran tunai sebenar untuk 2018 adalah defisit sebanyak RM356,547 manakala yang dianggarkan untuk 2019 ialah RM300,393. Berhubung dengan kutipan keseluruhan, ialah RM6,254,579 dan dijangka untuk 2019 ialah RM5,772,097. Oleh itu, untuk 2018 defisit adalah sebanyak RM300,393 manakala tahun ini (2019) dijangka adalah RM222,901.

Bendahari Kehormat mengucapkan terima kasih kepada Pasukan Petugas berkenaan dengan Kutipan Yuran Tahunan walaupun Jawatankuasa ini tidak disenaraikan di dalam Laporan Tahunan. Pasukan Petugas ini juga turut membantu Cawangan IEM yang lain.

Bendahari Kehormat turut mengucapkan terima kasih kepada Jawatankuasa Kecil - Infrastruktur dan Urusetia kerana berusaha meningkatkan penyelenggaraan Bangunan IEM dan Wisma IEM.

Yang DiPertua mengucapkan terima kasih kepada Bendahari Kehormat atas perbentangan penyata kewangan dan menjemput para ahli untuk mengajukan sebarang pertanyaan.



5.10 Sesi Soalan - Akaun

- 5.10.1 YBhg. Dato' Ir. Andy Seo Kian Haw (F13276) meminta MAT merujuk pada muka surat 165 mengenai "Penghutang Perdagangan dan Bukan Perdagangan" di bawah tajuk Aset Semasa.

YBhg. Dato' Ir. Andy Seo Kian Haw (F13276) mengulas bahawa angka 8 tidak jelas. YBhg. Dato' turut mengulas "Pemiutang Perdagangan dan Bukan Perdagangan" di bawah tajuk Liabiliti dengan angka 16. Oleh itu, YBhg. Dato' meminta penjelasan mengenai angka-angka yang disebutkan itu kerana beliau berpendapat bahawa ada Pasukan Petugas yang dibentuk namun akaun penghutang masih tinggi.

Timbalan Yang DiPertua menjelaskan di bawah tajuk "Institusi" angka tersebut adalah kira-kira RM1.5 juta manakala di bawah tajuk untuk "Kumpulan" adalah RM4.0 juta. Beliau seterusnya menjelaskan bahawa ini adalah disebabkan oleh pendapatan dari "World Tunelling Conference" 2020 (WTC2020). Beliau menjelaskan untuk acara WTC2020 invoice telah dikeluarkan kira-kira RM4 juta dan kutipan yang diterima adalah kira-kira RM1.8 juta. MAT selanjutnya dimaklumkan bahawa IEM memperolehi beberapa acara penting yang akan dianjurkan oleh IEMTC. Timbalan Yang DiPertua selanjutnya menjelaskan pada dasarnya ia adalah hasil peningkatan dari pendapatan melalui invoice dan pungutan yang akan diterima untuk acara WTC2020. Bendahari Kehormat seterusnya menegaskan bahawa perbentangan tersebut adalah untuk "Institusi" dan bukannya "Kumpulan" akaun.

- 5.10.2 Ir. Ng Yen Yee (M33777) mencadangkan antara mekanisma untuk meningkatkan pendapatan adalah dengan bekerjasama dengan JKR dengan menganjurkan program latihan kecekapan untuk kakitangan mereka dalam disiplin sivil. Suruhanjaya Tenaga dan ILSAS telah menganjurkan program latihan kecekapan untuk "charge-man" and "wire-man". Dicadangkan juga supaya program itu menjadi sebahagian dari keperluan kawal selia dan diperakui.

Yang DiPertua kemudian menerangkan mengenai defisit sebanyak RM1,068 juta. Beliau seterusnya menerangkan pada muka surat 165 bagi tahun 2018, komponen pendapatan adalah RM3.38 juta iaitu RM58,000 kurang dari 2017 (kira-kira 1.7%). Bagi komponen perbelanjaan pada muka surat 166, terdapat peningkatan sebanyak RM101,000 (3.7%) di bawah ganjaran peribadi berbanding 2017.

Yang DiPertua bersetuju bahawa ia tidak dapat dielakkan kerana kenaikan kos sara hidup. Oleh itu gaji kakitangan perlu ditingkatkan. Bagaimanapun, beliau menegaskan bahawa perbelanjaan pentadbiran adalah kurang berbanding 2017. Kesimpulannya, beliau memaklumkan MAT supaya tidak melihat RM1.068 juta kerana ini adalah sebahagian dari sistem perakaunan. Defisit sebenar Institusi ialah sebanyak RM200,000 dan sebahagian besarnya dari ganjaran peribadi dan tunggakan langganan ahli. Walau bagaimanapun, beliau memberitahu beberapa langkah telah diambil untuk menangani isu ini.

- 5.10.3 Ir. Selva Sukanthiran a/l Karuppaiah (M10437) bertanya mengenai penurunan harga latihan dan pendaftaran sebanyak 50%. Beliau seterusnya mengulas bahawa pada tahun 2017 adalah RM2.4 juta tetapi pada tahun 2018 kejatuhan drastik kepada RM1.2 juta. Yang DiPertua menjelaskan bahawa Ir. Selva Sukanthiran a/l Karuppaiah (M10437) merujuk pada "Kumpulan" iaitu IEMTC dan IEMAS bukannya IEM. Ir. Selva Sukanthiran a/l Karuppaiah (M10437) seterusnya menyoal bagaimana IEMTC dan IEMASB yang merupakan anak syarikat IEM boleh berada di dalam akaun. Yang DiPertua menjelaskan bahawa ia adalah syarat asas oleh "Suruhanjaya Syarikat Malaysia (SSM)" supaya akaun tersebut dimasukkan bersama.

- 5.10.4 Ir. Ng Yen Yee (M33777) juga mengulangi cadangannya agar IEM boleh bekerjasama dengan JKR dengan menganjurkan latihan kecekapan untuk pekerja awam termasuk warga asing untuk meningkatkan pendapatan Institusi. Yang DiPertua mengucapkan terima kasih dan akan meneliti cadangannya.

Ir. Prof. Dr. Jeffrey Chiang Choong Luin (F20286) menjawab pertanyaan tersebut bagi pihak Ir. Gopal Narian Kutty (Pengerusi Jawatankuasa Tetap Aktiviti) bahawa Bahagian Teknik Kejuruteraan Awam dan Struktur dengan bantuan dari Ir. Gopal Narian Kutty yang merupakan kakitangan JKR sedang berusaha untuk bekerjasama bagi menjalankan program latihan untuk jurutera awam.

Memandangkan tiada lagi soalan berbangkit dari para ahli, Ir. Yong Kee Chiang (M01922) mencadangkan Penyata Kewangan untuk IEM bagi tahun berakhir 31 Disember 2018 diterima. Usul itu disokong oleh Ir. Dr Ng Soon Ching (M30662) dan MAT seterusnya menerima Laporan Kewangan tersebut.

6.0 LAPORAN KEWANGAN DANA PENDIDIKAN – 31 DISEMBER 2018

- 6.1 Bendahari Kehormat seterusnya membentangkan laporan kewangan untuk Dana Pendidikan bagi tahun berakhir 31 Disember 2018 dari muka surat 195 hingga muka surat 204.
- 6.2 MAT dimaklumkan bahawa sumbangan yang diterima berjumlah RM49,810 pada 2018 berbanding RM227,036 pada tahun 2017. Faedah Deposit Tetap yang diperoleh berjumlah RM43,234 berbanding RM38,132 pada tahun 2017.
- 6.3 Dari segi perbelanjaan, Bendahari Kehormat melaporkan bahawa biasiswa yang diberikan pada tahun 2018 adalah RM34,000, Beliau seterusnya memaklumkan bahawa perbelanjaan lain seperti persidangan luar negara termasuk RM34,896, Subsidi Bahagian Siswa adalah berjumlah RM10,000 manakala perbelanjaan lain adalah RM923. Untuk biasiswa di bawah Biasiswa En. Koon Yew Yin, temubual telah diadakan pada tahun 2019.



- 6.4 Bendahari Kehormat seterusnya melaporkan terdapat lebih sebanyak RM60,198 pada tahun 2018 berbanding dengan lebih sebanyak RM178,633 pada tahun 2017.
- 6.5 Bagi Penyata Kewangan keseluruhan 2018, terdapat penurunan sebanyak 2.5% (RM1,633,216 termasuk deposit tetap, tunai dan kesetaraan tunai) berbanding RM1,673,611 pada tahun 2017.

Bagi Dana Terkumpul, terdapat peningkatan sebanyak 2.4% yang berjumlah RM2,564,909 pada tahun 2018 berbanding RM2,504,711 pada tahun 2017.

Memandangkan tiada lagi soalan berbangkit dari para ahli, Ir. Wong Chee Fui (F20903) mencadangkan Laporan Kewangan Dana Pendidikan bagi tahun berakhir 2018 diterima dan usul ini disokong oleh Ir. Gan Tian Eng (M04904) dan MAT seterusnya menerima Laporan Kewangan Dana Pendidikan.

7.0 PERBINCANGAN ISU BERTULIS DARIPADA AHLI

MAT telah dimaklumkan bahawa terdapat surat bertarikh 26 Mac 2019 yang dikemukakan oleh Ir. Yap Soon Hoe mengenai aduan terhadap Yang DiPertua. Oleh itu, Yang DiPertua menyerahkan kepada Timbalan Yang DiPertua untuk mengetuai isu ini. Walau bagaimanapun, Y.Bhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) mencadangkan isu ini boleh dirujuk di bawah Perlembagaan dan Undang-Undang IEM siapa yang sepatutnya mengetuai isu ini. Adalah dimaklumkan bahawa MAT terpaksa memilih seorang ahli yang hadir dan Yang DiPertua meminta MAT untuk mencadangkan ahli untuk menguruskan perkara ini.

Ir. Chong Pick Eng (HF01214) mencadangkan Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) untuk menguruskan perkara ini dan usul itu disokong oleh Ir. Vincent Chen Kim Kieong (HF05128).

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) memaklumkan bahawa "Pengadu" perlu menyatakan dan menjelaskan aduannya. "Responden" juga dibenarkan untuk bertindak balas terhadap aduan tersebut. Walau bagaimanapun, MAT dimaklumkan bahawa pengadu sedang berada di luar negara dan tiada wakil untuk mewakilinya. Memandangkan pengadu tidak hadir, MAT dimaklumkan bahawa kes ini sama ada perlu dihentikan atau dibincangkan dalam mesyuarat berasingan.

Walaupun, Ir. Lai Sze Ching (F04687) menjelaskan bahawa surat tersebut telah dibincangkan di mesyuarat Jawatankuasa Eksekutif. Memandangkan ia adalah aduan terhadap ahli, ia perlu dikemukakan kepada Jawatankuasa Tetap Amalan Profesional (PPC) untuk mengambil kes tersebut dari ia dibincangkan di MAT.

Ir. Yong Kee Chiang (F01922) mengulas disebabkan pengadu tidak hadir, maka isu ini tidak boleh dibincangkan di MAT. Ir. Awangku Hidup Awangku Hosain (F03053) juga bersetuju dengan cadangan oleh Ir. Yong Kee Chiang bahawa kes ini perlu dibentangkan di PPC.

Setiausaha Kehormat menjelaskan kepada MAT bahawa surat bertarikh 26 Mac 2019 (seperti yang dipaparkan pada skrin) adalah surat yang ketiga yang dikemukakan oleh pengadu. Isu-isu yang sama telah dibincangkan di mesyuarat Jawatankuasa Eksekutif dan Majlis. Jawatankuasa Eksekutif dan Majlis telah menjawab kepada pengadu bertarikh 28 Ogos 2018 dan 13 Disember 2018. Walau bagaimanapun, adalah dinyatakan bahawa pengadu tidak berpuas hati dengan balasan tersebut dan beliau memutuskan untuk menulis lagi di dalam surat ketiga.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat memaklumkan bahawa isu ini tidak sepatutnya dibentangkan di MAT kerana ia tidak berkaitan dengan pelaksanaan Institusi. Y.Bhg. Dato' Paduka turut mengulas sama ada ia adalah aduan terhadap individu / ahli atau Penjawat menurut Perlembagaan IEM, ia perlu dikemukakan kepada Jawatankuasa Eksekutif untuk siasatan dibuat. Y.Bhg. Dato' Paduka turut menjelaskan bahawa sekiranya ada unsur salah laku, Perlembagaan IEM membenarkan Jawatankuasa Kecil untuk meneliti aduan tersebut.

Tanpa mengetahui isi surat bertarikh 21 Jun 2018, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat menimbulkan persoalan sama ada aduan itu bertentangan dengan Penjawat Institusi atau terhadap seorang individu. Y.Bhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) seterusnya mengulas disebabkan pengadu tidak dapat membentangkan kesnya di MAT, Y.Bhg. Ahli Akademik Dato' mencadangkan supaya isu ini dirujuk kembali kepada Majlis untuk perbincangan lanjut seperti termaktub di dalam Perlembagaan IEM.

Walaupun, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat menjelaskan apabila agenda MAT dihantar kepada para ahli, terdapat item yang menawarkan mana-mana ahli untuk menyuarakan apa-apa isu bertulis untuk perbincangan di MAT. Ia juga adalah tanggungjawab Setiausaha Kehormat untuk memeriksa sama ada ia berkaitan dengan Institusi atau tidak. Selain itu, Y.Bhg. Dato' Paduka turut mengulas bahawa jika isu ini adalah aduan yang dibuat terhadap ahli atau Penjawat ia tidak sepatutnya dibincangkan di MAT. Selain itu, surat bertarikh 26 Mac 2019 turut menyatakan bahawa keseluruhan surat tersebut akan dibincangkan di MAT.

Setiausaha Kehormat selanjutnya menjelaskan bahawa terdapat tiga (3) isu mengenai kes ini; pertama ialah perbelanjaan perjalanan Yang DiPertua ke Cawangan IEM; kedua adalah perjalanan Yang DiPertua ke London untuk menghadiri Mesyuarat IEA di London; dan ketiga adalah perkara-perkara umum mengenai kunjungan Yang DiPertua ke Kementerian dan Perdana Menteri sama ada ia memberi manfaat kepada Institusi.



Ir. Chong Pick Eng (HF01214) mengulas bahawa aduan itu bukan ditujukan kepada Ir. David Lai Kong Phooi sebagai individu tetapi pada kedudukannya selaku Yang DiPertua.

Ir. Yong Kee Chiang (F01922) mengulangi usulnya bahawa isu ini tidak perlu dibincangkan dan perlu dikeluarkan dari agenda dengan segera. Beliau seterusnya mengulas bahawa pada dasarnya ia merupakan satu aduan dari seorang ahli yang tidak menyukai cara Yang DiPertua melaksanakan urusan kerja tetapi ia adalah lebih bersifat peribadi.

Y.Bhg. Dato' Ir. Pang Leong Hoon (HF00015) merasakan ada keperluan untuk membuat keputusan sama ada isu ini perlu dibincangkan di MAT kerana ia ada dinyatakan di dalam agenda.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat selanjutnya menjelaskan bahawa aduan telah dibuat terhadap Jawatankuasa Eksekutif, maka Jawatankuasa Eksekutif harus melantik sebuah badan bebas.

Timbalan Yang DiPertua selanjutnya menjelaskan bahawa aduan itu dibuat terhadap seseorang individu. Berhubung dengan tiga (3) perkara yang dinyatakan di dalam surat tersebut dan seperti yang ditunjukkan oleh Setiausaha Kehormat, beliau meminta MAT sama ada aduan itu adalah bersifat peribadi atau terhadap Institusi atau Majlis atau Jawatankuasa Eksekutif. Oleh yang demikian beliau merasakan bahawa MAT harus membuat keputusan.

Ir. Chong Pick Eng (HF01214) mencadangkan bahawa Jawatankuasa Eksekutif tidak sepatutnya membuat sebarang komen kerana isu ini telah dibincangkan di mesyuarat Jawatankuasa Eksekutif. Beliau juga mencadangkan agar keputusan diputuskan di MAT dan menegaskan bahawa apa-apa yang telah dilakukan untuk Institusi tidak boleh dianggap sebagai urusan peribadi. Oleh itu, perlu diputuskan sama ada ia urusan peribadi atau untuk Institusi.

Y.Bhg. Dato' Ir. Dr Gue See Sew (HF03975) mencadangkan bahawa aduan itu sepatutnya dirujuk kepada Majlis dan bukan di MAT. Ir. Dr Tan Yean Chin (F11712) berpandangan bahawa Jawatankuasa Eksekutif terdiri daripada ahli-ahli IEM dan oleh itu semua ahli termasuk Jawatankuasa Eksekutif mempunyai hak yang sama.

Walau bagaimanapun, beliau berpendapat disebabkan pengadu tidak hadir, beliau menyokong isu ini akan dibentangkan di Majlis untuk perbincangan lebih lanjut dan bukan di MAT.

Ir. William Ho Choo Kwang (M17178) juga mencadangkan bahawa MAT bukan merupakan platform yang sesuai untuk membincangkan isu ini dan ia harus dikembalikan kepada Majlis. Ir. Lt. Kol Mohd Hazani bin Shafie (F16292) juga menyokong cadangan tersebut.

Ir. Yam Teong Sian (F05613) memaklumkan bahawa isu ini lebih kepada salah faham. Walau bagaimanapun, beliau merasakan bahawa setiap ahli mempunyai hak untuk menyuarakan pandangan mereka dan beliau bersetuju dengan cadangan dari Ir. Dr Tan Yean Chin dan Y.Bhg. Dato' Ir. Dr Gue See Sew (HF03975) bahawa perkara ini akan dibincangkan lebih lanjut di mesyuarat Majlis.

Ir. Gunasagaran Kristnan (M08216) mengulas isu ini telah berlanjutan sejak setahun yang lalu dan aduan itu merupakan pelaksanaan Institusi oleh Yang DiPertua. IEM juga telah menjawab aduan pengadu dan beliau merasakan bahawa tidak perlu membincangkan isu ini di MAT.

Y.Bhg. Ahli Akademik Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin (HF01019) menegaskan disebabkan pengadu tidak hadir maka tidak perlu MAT untuk membincangkan isu ini pada masa ini atau pada masa akan datang. Y.Bhg. Ahli Akademik Tan Sri Datuk juga menyokong tanggapan bahawa isu ini akan dibincangkan lebih lanjut di mesyuarat Majlis.

Ir. John Cheah Kam Loong (F01186) juga menyokong komen / saranan yang dibuat oleh Yang DiPertua bahawa isu ini harus dikemukakan kepada Majlis dan bukan di MAT.

Ir. Mohd Radzi bin Salleh (F20112) juga menyarankan bahawa isu ini tidak perlu dibincangkan di MAT kerana pertama, Pengadu tidak hadir dan kedua, perkara itu harus dibincangkan dengan teliti sebelum dibentangkan di MAT.

Ir. Tu Yong Eng (M15448) juga mengulas isu itu bermula pada bulan Jun 2017 dan sudah hampir setahun dan berharap agar Jawatankuasa Eksekutif dan Majlis membuat kesimpulan mengenai isu ini.

Selepas mendengar pelbagai saranan dan pendapat, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat berpendapat isu ini perlu dilakukan berdasarkan kepada peraturan perundangan. Y.Bhg. Dato' Paduka seterusnya menegaskan sama ada aduan dibuat terhadap ahli atau Penjawat Perlembagaan IEM membenarkan sesuatu proses itu berlaku. Selain itu, isu ini tidak berkaitan dengan urusan MAT dan telah berlaku kesilapan di dalam Agenda MAT.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat menjelaskan dengan lebih lanjut bahawa sama ada ia adalah kes terhadap seseorang individu atau terhadap Penjawat dalam menjalankan Institusi, Jawatankuasa Eksekutif perlu melaporkan kepada Majlis dan kemudian perlu membentangkannya pada MAT yang akan datang.

Yang DiPertua mengucapkan terima kasih kepada Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat kerana mempengerusikan sesi ini.



8.0 CADANGAN PINDAAN KEPADA PERLEMBAGAAN DAN UNDANG-UNDANG

Yang DiPertua memaklumkan MAT untuk merujuk muka surat 6 hingga 15 pada pindaan kepada Perlembagaan dan Undang-undang. Beliau kemudian menegaskan pindaan dalam pelbagai artikel seperti yang dinyatakan di dalam muka surat tersebut:

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) mengulas sama ada Yang DiPertua akan membentangkan pindaan secara keseluruhan atau berdasarkan artikel. Sekiranya secara keseluruhan, semua pindaan akan ditolak seandainya tiada persetujuan dibuat. Oleh yang demikian, Yang DiPertua merujuk kepada para ahli mengenai perkara ini dan MAT bersetuju merujuk pada pindaan mengikut artikel.

ARTIKEL II KEAHLIAN

Artikel 2.2

MAT bersetuju bahawa perkataan "menambah" dikeluarkan dibahagian pindaan yang dicadangkan.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) meminta penjelasan mengenai perkara "(ed) Ahli Teknikal Juruteknik Kejuruteraan" sama ada kategori ini bermaksud "Juruteknik" akan dianggap sebagai siswazah.

Ir. Lai Sze Ching (F04687) memberitahu MAT bahawa kategori ini telah dibahas di Jawatankuasa Eksekutif. Walau bagaimanapun, tidak ada istilah yang sesuai dan oleh itu perkataan yang diputuskan adalah "juruteknik". Didapati juga bahawa tidak ada definisi mengatakan seorang siswazah harus menjadi pemegang ijazah.

Y.Bhg. Ahli Akademik Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin (HF01019) mengulas bahawa terdapat perkataan yang lebih sesuai untuk digunakan seperti 'juruteknik bertauliah dan berkelayakan' seperti yang digunakan oleh Lembaga Teknologi Malaysia (MBOT). Y.Bhg. Ahli Akademik Tan Sri Datuk juga menjelaskan bahawa seseorang yang telah lulus digelar sebagai 'berkelayakan' manakala seorang yang menjadi juruteknik profesional akan digelar sebagai 'diperakui'. Oleh itu, Y.Bhg. Ahli Akademik Tan Sri Datuk mencadangkan IEM boleh menggunakan istilah yang sama.

Ir. Chong Pick Eng (HF01214) menyatakan untuk perkara (d) 'Ahli Siswazah Kanan', terdapat huruf besar untuk setiap perkataan dan perkataan ini harus ditakrifkan mengikut definisi undang-undang. Beliau juga memetik perkataan 'Ahli Siswazah' sepatutnya mempunyai status yang sama dengan Ahli Siswazah IEM sebagai kata yang telah ditakrif.

Beliau selanjutnya memaklumkan bahawa akan ada kekeliruan terhadap penggunaan istilah 'Ahli Teknologi Kejuruteraan' sebagai orang yang sepatutnya memiliki ijazah setara dengan 'Ahli Siswazah'. Beliau merasakan bahawa tidak sesuai untuk mempunyai perkataan yang sama di dua (2) gred yang berbeza (Ahli Siswazah dan Ahli Teknologi Kejuruteraan).

Y.Bhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) menegaskan bahawa gred keahlian telah ditakrifkan di muka surat 9 Laporan Tahunan.

Walaupun bagaimanapun, Ir. Chong Pick Eng (HF01214) menjelaskan bahawa apabila terdapat huruf besar pada perkataan 'Siswazah' yang ditakrifkan manakala 'Ahli Teknologi Kejuruteraan' dianggap sebagai satu frasa.

Ir. Lai Sze Ching (F04687) memaklumkan kepada MAT bahawa definisi gred tersebut telah ditakrifkan secara jelas di muka surat 6 Laporan Tahunan iaitu 2.15A dan seterusnya.

Ir. Shum Keng Yan (M14287) mencadangkan bahawa artikel 2.2, 2.4, 2.5 akan sah secara automatik jika MAT boleh mencari permulaan setiap pindaan. Beliau seterusnya mencadangkan agar ia dapat diterjemahkan dengan lebih jelas melalui tafsiran dan kemudian mendapat kelulusan untuk setiap gred keahlian.

Y.Bhg. Ahli Akademik Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin (HF01019) merujuk kembali kepada subjek gred keahlian 'Ahli Siswazah Juruteknik Kejuruteraan' kerana ia mungkin menimbulkan kekeliruan sama ada juruteknik tersebut adalah seorang siswazah. Y.Bhg. Ahli Akademik Tan Sri Datuk menjelaskan mengenai persepsi jika seseorang tidak mempunyai ijazah, dia bukan seorang siswazah. Y.Bhg. Ahli Akademik Tan Sri Datuk juga berpendapat dalam hal 'Ahli Siswazah Juruteknik Kejuruteraan' jelas menyatakan bahawa beliau adalah siswazah yang mempunyai ijazah.

Walaupun bagaimanapun, untuk juruteknik yang mempunyai diploma dan tidak mempunyai ijazah, maka terdapat keperluan untuk membezakan dua gred tersebut. MAT selanjutnya dimaklumkan secara praktikalnya pemegang diploma telah diterima. Menurut Akta MBOT, ia jelas menyatakan bahawa juruteknik tersebut adalah sah.

Ir. Shum Keng Yan (M14287) mencadangkan bahawa MAT harus merujuk keseluruhan agenda dan memutuskan artikel yang perlu diluluskan. Dalam kes-kes dimana terdapat penambahbaikan lanjut yang dibuat terutamanya mengenai isu-isu yang sahih, beliau mencadangkan supaya Kumpulan Kerja dibentuk. Dengan cara ini, MAT boleh meneruskan perbincangan perkara-perkara lain di dalam agenda.

Y.Bhg. Dato' Ir. Dr Gue See Sew (HF03975) memaklumkan MAT bahawa Perlembagaan IEM tidak mempunyai definisi yang nyata tetapi mempunyai tafsiran. Y.Bhg. Dato' selanjutnya memberitahu bahawa tidak ada tafsiran mengenai istilah 'Siswazah' tetapi ada perkataan 'Ahli' dengan huruf besar 'A'. Yang DiPertua kemudian merujuk perkara 10.10 (ARTIKEL X - Tafsiran) dari Perlembagaan IEM.



YBhg. Ahli Akademik Dato' Ir. Prof. Dr Chuah Hean Teik (HF09157) menyokong cadangan daripada Ir. Shum Keng Yan (M14287) bahawa MAT harus meluluskan prinsip pada pindaan tersebut. Berhubung dengan penambahbaikan, YBhg. Ahli Akademik Dato' Ir. Prof mencadangkan agar sebuah Jawatankuasa dibentuk untuk meneliti definisi atau interpretasi apabila mempertimbangkan usul dari MBOT dan Akta Pendaftaran Jurutera.

Artikel 2.4

Ir. Chong Pick Eng (HF01214) menyarankan untuk menghapuskan gelaran "Engr." dalam pindaan yang dicadangkan.

Beliau mempersoalkan sama ada apakah tindakan yang telah dilakukan atau dibincangkan mengenai penggunaan gelaran "Engr." sebelum menghapuskan perkataan tersebut. Beliau seterusnya menjelaskan bahawa apabila perkataan "Engr." telah dihapuskan, ini bermakna subjek penggunaan tajuk "Engr." dianggap selesai.

Ir. Vincent Chen Kim Kieong (HF05128) menyuarakan ketidakpuasan hati untuk menghapuskan gelaran "Engr." dari pindaan yang dicadangkan. Beliau menjelaskan bahawa gelaran itu mula diperkenalkan semasa Y.Bhg. Ahli Akademik Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin menjadi Yang DiPertua. Sebuah Jawatankuasa ditubuhkan untuk menghasilkan kertas kerja yang baik mengenai penggunaan gelaran "Engr." Kemudian ia dibentangkan di Jawatankuasa Eksekutif, Majlis serta mengadakan mesyuarat Majlis Khas untuk membincangkan isu ini. Oleh itu, beliau merasakan bahawa tidak wajar untuk menghapuskan gelaran tersebut tanpa menyediakan kertas kerja yang sewajarnya.

Yang DiPertua kemudian menjelaskan pada Januari 2016, ada pertemuan diantara Yang DiPertua Y.Bhg Dato' Ir. Lim Chow Hock bersama bekas Menteri Kerja Raya, YB Datuk Seri Fadillah Yusof. Telah dipersetujui pada mesyuarat tersebut agar perkara ini dibawa kepada Jabatan Peguam Negara untuk diputuskan. LJM juga telah mengeluarkan surat kepada IEM untuk menggantung penggunaan gelaran "Engr." kepada ahli Siswazah. LJM telah menulis surat teguran kepada ahli yang namanya disenaraikan dalam Jurutera dengan gelaran "Engr."

Yang DiPertua seterusnya menjelaskan beliau dan delegasinya ada bertemu dengan Menteri Kerja Raya, YB Baru Bian dan mencadangkan agar meminta keputusan daripada Jabatan Peguam Negara kerana isu ini telah lama tertangguh.

Berhubung dengan ulasan yang dibuat oleh Ir. Vincent Chen Kim Kieong, Yang DiPertua memaklumkan bahawa dua puluh (20) ahli IEM menerima "surat tunjuk sebab" dari LJM atas penggunaan gelaran "Engr." Yang DiPertua selanjutnya menjelaskan bahawa ahli Siswazah masih boleh menggunakan gelaran tersebut berdasarkan Perlembagaan. Walau bagaimanapun, mereka perlu memastikan bahagian tersebut dilindungi dari sudut perundangan. Oleh itu, dicadangkan bahawa gelaran "Engr." dikeluarkan sementara dari Perlembagaan sehingga keputusan dibuat oleh Jabatan Peguam Negara.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat (HF01691) selanjutnya menjelaskan bahawa IEM tidak mempunyai hak mengeluarkan gelaran "Engr." dari Perlembagaan, Walau bagaimanapun, ahli Siswazah boleh menggunakan gelaran tersebut berdasarkan Perlembagaan namun dilihat ingkar oleh REA. Oleh itu, ahli Siswazah dinasihatkan agar tidak menggunakan gelaran tersebut sehingga keputusan dibuat oleh Jabatan Peguam Negara.

Y.Bhg Dato' Lim Chow Hock (HF02531) memaklumkan MAT semasa beliau memegang jawatan sebagai Yang DiPertua, Menteri Kerja Raya pada ketika itu, memberi jaminan bahawa penggantungan gelaran "Engr." hanya buat seketika waktu sahaja. Oleh itu, Y.Bhg Dato' juga bersetuju dengan cadangan daripada Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat agar tidak menghapuskan gelaran "Engr." dalam Perlembagaan dan menunggu sehingga keputusan dari Jabatan Peguam Negara diperolehi.

Ir. Chong Pick Eng (HF01214) juga bersetuju dengan cadangan daripada Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat dan Y.Bhg Dato' Lim Chow Hock untuk mengekalkan gelaran "Engr." di dalam Perlembagaan. Beliau selanjutnya memaklumkan MAT bahawa ia bukan satu prosedur yang tepat untuk membatalkan kenyataan itu tanpa perbincangan yang sewajarnya.

YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) mengulas walaupun penggunaan gelaran "Engr." akan bertentangan dengan Akta Parlimen serta dibantah oleh beberapa pihak yang lain, beliau menegaskan bahawa Perlembagaan IEM telah diluluskan oleh ahli-ahli dan juga Pendaftar Pertubuhan (ROS).

Oleh itu, YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) seterusnya mengulas ia tidak menyalahi undang-undang walau bagaimanapun, YBhg. Ahli Akademik Dato' bersetuju dengan Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat serta bekas Yang DiPertua untuk mengekalkan gelaran "Engr." dalam Perlembagaan. YBhg. Ahli Akademik Dato' juga mencadangkan Yang DiPertua dan delegasi baharu boleh bertemu dengan Peguam Negara dan mengemukakan kes IEM mengenai penggunaan gelaran "Engr." tersebut.

Ir. Choo Kok Beng (HF02828) juga menegaskan bahawa isu ini tidak dibincangkan di dalam mesyuarat Majlis. YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) menegaskan bahawa isu ini ada dibincangkan di Majlis tetapi tidak secara terperinci.

Disebabkan masa yang terhad, YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) mencadangkan supaya ahli bersetuju dengan prinsip Artikel 2.2. Bagi Artikel 2.4, penyingkiran tajuk "Engr." adalah tidak dipersetujui. Di samping itu, juga dicadangkan jika terdapat keperluan untuk meminda sebarang perkataan ia perlu dikemukakan kepada Majlis untuk membentuk Jawatankuasa bagi melihat sama ada ia sepadan dengan Akta MBOT dan REA. Ini juga berkaitan dengan perjanjian / pergerakan Teknologi Teknikal dan Juruteknik Kejuruteraan.



YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik juga menekankan jika pindaan tersebut ditangguhkan untuk satu tahun lagi, IEM tidak dapat mewakili Malaysia untuk menandatangani perjanjian tersebut. Oleh itu, beliau memaklumkan kepada MAT untuk mempercepatkan sesi pengundian.

MAT bersetuju pada prinsip Artikel 2.2 untuk Ahli Bukan Korporat terdiri daripada 13 gred tetapi untuk juruteknik itu layak atau diperakui, terdapat keperluan untuk memastikan norma-norma dipatuhi. Pengundian telah dilakukan dan keputusannya adalah seperti berikut:

	Malakoff	Tingkat 2	Tingkat 3
Bersetuju	—	48	31
Tidak bersetuju	2	1	2
Berkecuali	1	2	0

Usul tersebut diperakui.

Artikel 2.4

Ir. Vincent Chen Kim Kieong (HF05128) mencadangkan untuk menggantikan perkataan "Companion" dengan "Ahli Senior Siswazah". MAT dimaklumkan bahawa terdapat gerakan untuk menghapuskan lima (5) baris terakhir termasuk mengeluarkan "Engr." dan hasilnya adalah seperti berikut:

Malakoff - 10
 Tingkat 2 - 14
 Tingkat 3 - 13
 Jumlah - 37

Pengundian telah dijalankan untuk mengekalkan gelaran "Engr." dan keputusan adalah seperti berikut:

	Malakoff	Tingkat 2	Tingkat 3
Bersetuju	59	29	24
Berkecuali	0	2	1

Usul tersebut itu diperakui.

Artikel 2.5

Artikel 2.2 dan Artikel 2.5 ini adalah berkaitan dan telah dipersetujui secara prinsip. Oleh itu, MAT bersetuju untuk mengemukakan kepada Majlis untuk tindakan yang perlu diambil dan tiada pengundian yang akan dilakukan.

Artikel 2.14

Tiada pengundian dilakukan kerana ia berkaitan dengan perkataan dan akan dikemukakan kepada Majlis untuk tindakan yang perlu diambil.

Artikel 4.1 and Artikel 4.2

Pengundian telah dilakukan untuk kedua-dua artikel berkenaan klasifikasi yuran untuk pelbagai gred keahlian. Keputusannya adalah seperti berikut:

	Malakoff	Tingkat 2	Tingkat 3
Bersetuju	51	24	28
Tidak bersetuju	2	1	3
Berkecuali	2	4	0

Berhubung dengan kemasukan empat (4) gred baharu dan terminologi akan dibentangkan kepada Majlis.

Artikel 4.2.1

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat menjelaskan kepada MAT bahawa untuk Artikel ini, ia dibahagikan kepada dua (2) bahagian; satu adalah perubahan perkataan dari "Companion" kepada 'Ahli Siswazah Kanan' dan yang satu lagi berkenaan yuran untuk Teknologi Kejuruteraan dan Juruteknik Kejuruteraan. Terdapat persoalan bahawa yuran untuk Juruteknik Kejuruteraan adalah RM155.00 yang sama dengan Ahli Siswazah.



Oleh itu, ada cadangan bahawa gred keahlian tersebut tidak akan dikenakan yuran. Walau bagaimanapun, MAT bersetuju bahawa perlu ada bayaran kadar yuran dan ianya harus dikemukakan kepada Majlis untuk perbincangan. Undian telah diambil ke atas usul untuk mengenakan bayaran dan keputusannya adalah seperti berikut:

	Malakoff	Tingkat 2	Tingkat 3
Bersetuju	69	30	30
Tidak bersetuju	0	0	0
Berkecuali	0	0	1

Usul tersebut dipersetujui.

Artikel 5.1

MAT bersetuju pada Artikel 5.1. Walau bagaimanapun, YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) mencadangkan agar Majlis mengkaji semula perkataan "Ahli" mengikut Perlembagaan yang dinyatakan sebagai Ahli Korporat. YBhg. Ahli Akademik Dato' selanjutnya merujuk kepada Klausula 2.3 Perlembagaan yang menyatakan:

Klausula 2.3

"Hanya Ahli Korporat yang berhak untuk mengundi, untuk menuntun mesyuarat dan dipilih ke Majlis. Manakala Ahli Bukan Korporat boleh dilantik ke Majlis".

YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik (HF09157) seterusnya menjelaskan bahawa Klausula 2.3 yang disebutkan itu mungkin tidak selaras dengan Artikel 5.1 kerana ia menyatakan bahawa ahli dengan huruf besar "A" layak untuk mengundi. YBhg. Ahli Akademik Dato' juga menegaskan bahawa terdapat keperluan untuk memeriksa semula sama ada gred seperti yang disenaraikan dalam pindaan yang dicadangkan untuk Artikel 2.2 layak untuk mengundi di Majlis. Oleh itu, YBhg. Ahli Akademik Dato' merasakan bahawa Jawatankuasa Kecil Pindaan kepada Perlembagaan haruslah melihat dengan teliti bagi memastikan bahawa gred ini layak untuk mengundi mengikut Artikel 5.1.

Ir. Wong Chee Fui (F20903) turut menyokong cadangan YBhg. Ahli Akademik Dato' Ir. Prof Dr Chuah Hean Teik untuk memeriksa dengan teliti Perlembagaan tersebut untuk memastikan terdapat konsistensi dalam pindaan yang dicadangkan dalam Artikel 2.2 dan Artikel 5.1. Yang DiPertua juga bersetuju bahawa istilah atau perkataan itu akan dibentangkan kepada Majlis untuk perbincangan.

Artikel 5.2

MAT bersetuju bahawa pindaan ini adalah mengenai cara pentadbiran. Walau bagaimanapun, Ir. Chong Pick Eng (HF01214) mengulas bahawa terdapat keperluan untuk melihat keseluruhan Perlembagaan secara umum.

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr) Keizrul Abdullah @ Lim Teik Keat mencadangkan agenda untuk perkara ini, iaitu Agenda 6 ditukar kepada Agenda 13 kerana beliau berpendapat kebanyakan ahli telah keluar dewan dan mungkin korum tidak mencukupi. Y.Bhg. Dato' Paduka merasakan bahawa pindaan tersebut sepatutnya dilakukan melalui Mesyuarat Agung Khas (SGM) dan kemudian itu akan diadakan selepas MAT.

Oleh yang demikian, Timbalan Yang DiPertua meminta persetujuan MAT untuk melihat agenda yang lain terlebih dahulu untuk mematuhi peraturan undang-undang. Cadangan itu disokong oleh Ir. Choo Kok Beng (HF02828).

9.0 PENGUMUMAN PEMILIHAN KEPUTUSAN SESI 2019/2020

Yang DiPertua menjemput Pegawai Pemilihan, YBhg. Dato' Ir. Pang Leong Hoon untuk mengumumkan keputusan bagi sesi 2019/2020.

9.1 Yang DiPertua and Timbalan Yang DiPertua

Y.Bhg. Dato' Ir. Pang Leong Hoon memaklumkan MAT bahawa mengikut Seksyen 5.2 dari Perundangan IEM Seksyen 5.13, Yang DiPertua semasa, Ir. David Lai Kong Phooi akan meneruskan penggal kedua dalam jawatan sebagai Yang DiPertua sementara Ir. Ong Chiong Loon terus kekal sebagai Timbalan Yang DiPertua bagi sesi 2019/2020.

9.2 Naib Yang di-Pertua, Setiausaha Kehormat, Bendahari Kehormat dan lain-lain

YBhg. Dato' Ir. Pang Leong Hoon mengumumkan keputusan percalonan dan pemilihan seperti berikut:



9.2.1 Jawatan Ahli Majlis – Wakil dari Disiplin Lain (Satu (1) kekosongan untuk 3 sesi 2019/2020, 2020/2021, 2021/2022)

MAT dimaklumkan bahawa terdapat dua (2) pencalonan yang diterima untuk jawatan ini.

Walau bagaimanapun, salah seorang calon didapati tidak layak di bawah kategori ini kerana beliau didaftarkan dalam disiplin Awam di dalam pangkalan data IEM. Oleh itu, seorang lagi calon iaitu Ir. Bhuvendhraa Rudrusamy menang tanpa bertanding sebagai Ahli Majlis - Wakil Disiplin Lain untuk sesi 2019/2020, 2020/2021 dan 2012/2022.

9.3 YBhg. Dato' Ir. Pang Leong Hoon kemudian memaklumkan kepada MAT bahawa jawatan berikut memerlukan pengundian:

- Naib Timbalan Yang DiPertua - 8 calon
- Setiausaha Kehormat - 2 calon
- Bendahari Kehormat - 2 orang calon
- Ahli Majlis - Wakil Biasa - 25 orang calon

9.3.1 Jawatan Naib Yang DiPertua (Tiga (3) kekosongan untuk 2 sesi 2018/2019 dan 2019/2020)

MAT dimaklumkan bahawa langkah-langkah telah diambil untuk menghantar kertas undi yang kepada ahli-ahli untuk jawatan yang memerlukan pengundian iaitu untuk Naib Yang DiPertua, Setiausaha Kehormat, Bendahari Kehormat dan ahli-ahli Majlis Biasa. Sebanyak 11,542 kertas undi dihantar kepada Ahli Korporat. Kotak Undi di Pejabat Urusetia IEM telah dikunci pada 6 April 2019 pada pukul 10.10 pagi. Sejumlah 1,711 kertas undi diterima di IEM apabila peti undi dibuka selepas pukul 10.15 pagi. Selepas menyemak dan mengesahkan kertas undi, pengiraan undi dilakukan pada pukul 10.50 pagi untuk menentukan calon yang berjaya.

YBhg. Dato' Ir. Pang Leong Hoon memaklumkan MAT bahawa terdapat lapan (8) pencalonan yang diterima untuk empat (4) kekosongan jawatan. Empat (4) calon yang mendapat undi tertinggi dipilih dengan jawatan Naib Yang DiPertua bagi sesi 2019/2020 dan 2020/2021:

- i) First Admiral Dato' Ir. Ahmad Murad bin Omar
- ii) Ir. Dr Tan Chee Fai
- iii) Ir. Hj. Mohd Aman bin Hj. Idris
- iv) Ir. Dr Wang Hong Kok

9.4 Jawatan Setiausaha Kehormat (Satu (1) kekosongan untuk sesi 2019/2020)

Terdapat dua (2) pencalonan yang diterima untuk satu kekosongan. Calon Ir. Mohd Khir bin Muhammad mendapat jumlah undi yang lebih tinggi dan seterusnya dilantik ke jawatan Setiausaha Kehormat untuk sesi 2019/2020.

9.5 Jawatan Bendahari Kehormat (Satu (1) kekosongan untuk sesi 2019/2020)

MAT dimaklumkan terdapat tiga (3) pencalonan diterima. Calon Ir. Chen Harn Shean menerima jumlah undi yang lebih tinggi dan seterusnya dilantik ke jawatan Bendahari Kehormat untuk sesi 2019/2020.

9.6 Jawatan Ahli Majlis – Wakil Biasa (Sepuluh (10) kekosongan untuk 3 sesi, 2019/2020, 2020/2021 and 2021/2022)

YBhg. Dato' Ir. Pang Leong Hoon melaporkan terdapat dua puluh tujuh (27) pencalonan yang diterima dan sepuluh (10) calon berikut dengan bilangan undi tertinggi dipilih menjadi Ahli Majlis - Wakil Biasa (Sepuluh (10) kekosongan untuk tiga (3) sesi, 2019/2020, 2020/2021 dan 2021/2022):

1. Ir. Prof. Dr Ruslan bin Hassan
2. Ir. Mah Siew Kien
3. YBhg. Dato' Ir. Mohd Azmi bin Ismail
4. Ir. Ng Yong Kong
5. Ir. Dr Mui Kai Yin
6. YBhg. Dato' Ir. Noor Azmi bin Jaafar
7. YBhg. First Admiral Dato' Ir. Ahmad Murad bin Omar
8. Ir. Sukhairul Nizam bin Abd Razak
9. Ir. Lai Sze Ching
10. YBhg. Dato' Ir. Ahmad Anuar bin Othman

9.7 MAT seterusnya dimaklumkan bahawa proses Pemilihan mengambil masa selama tiga (3) bulan dan jumlah kos ialah sebanyak RM28,380.40 (kertas undi dan pos). Ini tidak termasuk kos Urusetia IEM. Pegawai Pemilihan mencadangkan pemilihan dilakukan melalui e-pengundian untuk tujuan penjimatan kos.



- 9.8 YBhg. Dato' Ir. Pang Leong Hoon seterusnya mengucapkan terima kasih kepada Pengawas Pemilihan, Ir. Prof. Dr. Zainal Abidin bin Ahmad, Ir. S. Kukanesan dan Ir. Hj. Mohd Ali Yusof di atas bantuan dan sokongan berharga mereka dan juga kepada Urusetia di atas kerjasama sepenuhnya daripada mereka.

Yang DiPertua mengucapkan terima kasih kepada YBhg. Dato' Ir. Pang Leong Hoon di atas khidmat dan sokongannya untuk menjalankan proses pemilihan.

10.0 PENYAMPAIAN ANUGERAH

Juruacara majlis kemudian menjemput Yang DiPertua, Ir. David Lai Kong Phooi untuk menyampaikan anugerah berikut kepada lima penerima:

10.1 Kategori IEM Kertas Teknikal untuk Ahli Korporat– Disiplin Awam – Hadiah Tan Sri Ir. Hj. Yusoff

- (i) Anugerah ini disampaikan kepada Ir. Dr Ooi Teik Aun untuk kertas beliau yang bertajuk bertajuk "*The Present and Future Sustainable Use for Underground Space in Malaysia*". Ir. Khoo Chee Min menerima anugerah itu bagi pihak Ir. Dr Ooi kerana beliau tidak dapat hadir.
- (ii) Pemenang seterusnya akan menerima IEM Kertas Teknikal Terbaik untuk Kategori Ahli Korporat - Pendidikan Kejuruteraan untuk hadiah Tan Sri Ir. Hj. Yusoff. Ir. Rocky Wong Hon Thang menerima anugerah ini untuk kertas beliau yang bertajuk "*WA-OBE Approach – A Practitioner's Perspective*". Walau bagaimanapun, Ir. Rocky Wong Hon Thang tidak dapat hadir untuk menerima anugerah ini.
- (iii) Pemenang seterusnya adalah Dr. Siow Chun Lim untuk kertas beliau yang bertajuk "*The AEI Electrical Blueprint: Towards ASEANising ASEAN Graduate Engineers*".
- (iv) Hadiah Raja Tan Sri Zainal yang seterusnya (dianugerahkan untuk kertas teknikal yang cemerlang yang disumbangkan oleh Ahli-ahli Siswazah IEM) - Kategori Kejuruteraan Awam. Dr. Boon Chia Weng menerima anugerah ini untuk kertas bertajuk "*Ground Response due to Underground Construction and Impact to 3rd Party Structures*".
- (v) Hadiah Raja Tan Sri Zainal (yang dianugerahkan untuk kertas teknikal yang cemerlang yang disumbangkan oleh Ahli Siswazah IEM) - kategori Umum. Dr. Habibah Haron menerima anugerah ini untuk kertas yang bertajuk "*Grooming Future Scientists and Engineers from the Root through Fun Learning Concept*".

10.2 Projek Tahun Akhir Terbaik- Tan Sri Hj. Yusoff Ibrahim

MAT dimaklumkan bahawa Projek Tahun Akhir Terbaik Tan Sri Hj. Yusoff Ibrahim telah dijalankan untuk tahun kedua berturut-turut. Surat jemputan telah dihantar ke 28 universiti yang diakreditasi dan sejumlah 14 penyertaan telah diterima. MAT selanjutnya dimaklumkan bahawa pemenang keseluruhan akan menerima wang tunai sebanyak RM1,000, trofi dan sijil.

Pemenangnya ialah Sdri. Siti Nadhirah bt Zainurin dari Universiti Sains Islam Malaysia (USIM). Yang berikutnya menerima hadiah saguhati bernilai RM300 dan mereka adalah:

1. Koay Mei Yuan dari TAR University College (TAR UC)
2. Loong Ji Wei dari University of Nottingham
3. Jonathan Goh Yue Heng dari Monash University
4. Mohd Fazri bin Sedan dari Universiti Putra Malaysia (UPM)

10.3 Anugerah Mentor Terbaik

MAT telah dimaklumkan bahawa tahun ini, IEM memperkenalkan 'Mentor Terbaik' sebagai sebahagian dari pengiktirafan IEM terhadap sumbangan oleh mentor IEM dalam program Pembangunan Kecekapan Kejuruteraan (ECD). Mentee akan mengemukakan pencalonan terhadap Mentor mereka untuk anugerah ini. Kumpulan pertama Mentor yang telah dicalonkan oleh Mentee pada tahun ini ialah:

No.	Nama	No. Keahlian	Disiplin
1	Ir. Yong Shu Hwa (<i>tidak hadir</i>)	M 28976	Kimia
2	Ir. Sam Siong Won	M 17074	Elektronik
3	Ir. Chuah Rhun Riang	M 26229	Elektrik
4	Ir. Lee Lam	F 01998	Mekanikal
5	Ir. Bhuvendhraa Rudrusamy	F 26383	Elektronik



10.4 Penyampaian Sijil kepada IEM Felo

Juruacara majlis kemudiannya memberi penghormatan kepada ahli-ahli IEM yang telah dipindahkan ke gred Felo sesi 2018/2019. Tiga puluh empat (34) ahli berjaya dalam pemindahan tersebut. Seramai dua puluh tujuh (27) hadir untuk menerima sijil dan pin felo seperti berikut:

1. Ir. Lim Kee Weng, Bernard
2. Ir. Ngui Min Fui @ Tom
3. Ir. Dr Zainal Fiti bin Zainal Abidin
4. Ir. Sim Hui Kheng
5. YBhg. Dato' Ir. Zohari bin Sulaiman
6. Ir. C Kamalesen a/l Chandrasekaran
7. Ir. Khoo Chee Min
8. Ir. Dr Ong Chee Wee
9. Ir. Tang Chok Khing, Vincent
10. Ir. Haidel Heli
11. Ir. Gunasagaran Kristnan
12. Ir. Lai Chee Kuan
13. YBhg. Datuk Ir. Abdul Kadir bin Mohd Din
14. Ir. Teo Ki Yuee
15. Ir. Kol Mohd Hazani bin Shafie
16. Ir. Chen Harn Shean
17. Ir. Dr David Chuah Joon Huang
18. Ir. Dr Lee Tin Sin
19. Ir. Dr Lee Yun Fook
20. Ir. Dr Lim Phaik Leng
21. Ir. Dr Oh Seong Por
22. Ir. S. Kumar a/l S. Subramaniam
23. Ir. Prof Dr Leong Wai Yie
24. Ir. Arul Raj s/o Selvaraj
25. Ir. Dr Tan Kuang Leong
26. Ir. Dr Teo Fang Yenn
27. Ir. Yau Chau Fong

11.0 PENYAMPAIAN CENDERAMATA KEPADA AHLI MAJLIS YANG BERSARA

11.1 Yang DiPertua seterusnya menyampaikan tanda penghargaan kepada Ahli-ahli Majlis yang bersara dari jawatan untuk sesi 2018/2019:

1. Ir. Lee Boon Chong
2. Ir. Roznan bin Abdul Rashid
3. Ir. Assoc. Prof Dr Ahmad Kamil Arshad
4. Ir. Dr Tan Kuang Leong
5. Ir. Vincent Wong Khien Ngie
6. YBhg. Lt. Jen. Dato' Wira Ir. Ismail bin Samion (*Ret. RMAF*)
7. YBhg. Dato' Ir. Hj. Anuar bin Yahya
8. Ir. Mah Way Sheng
9. Ir. Gunsagaran Kristnan
10. Ir. Wong Chee Fui
11. Ir. Vincent Tang Chok Khing

11.2 MAT dimaklumkan bahawa ahli-ahli Majlis yang bersara tidak dapat hadir untuk menerima cenderamata mereka iaitu:

1. Ir. Gopal Narian Kutty
2. Ir. Abdul Razak bin Ali
3. Ir. Ateemin bin Sulong

12.0 PENYAMPAIAN SIJIL PENGHARGAAN – BERKHIDMAT DALAM KAPASITI LAIN

Ahli-ahli berikut telah dijemput untuk menerima sijil penghargaan kerana mereka akan terus berkhidmat dalam kapasiti yang lain iaitu:

1. Ir. Prof. Dr Ruslan bin Hassan
2. Ir. Lai Sze Ching
3. Ir. Chen Harn Shean
4. Ir. Hj. Mohd Aman bin Hj. Idris
5. Ir. Dr Tan Chee Fai



Yang DiPertua, Ir. David Lai Kong Phooi kemudian meminta ahli Majlis baharu iaitu Naib Yang di-Pertua, Setiausaha Kehormat dan Bendahari Kehormat mengambil tempat di atas pentas. Yang DiPertua kemudian mengucapkan terima kasih kepada ahli Majlis yang telah bersara.

13.0 BEKAS YANG DIPERTUA YANG DILANTIK OLEH MAJLIS UNTUK BERKHIDMAT DALAM MAJLIS

13.1 Yang di-Pertua memaklumkan kepada MAT bahawa Majlis telah menjemput lima (5) bekas Yang DiPertua dan mereka telah bersetuju menerima jemputan tersebut:

1. Y.Bhg. Ahli Akademik Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin
2. Y.Bhg. Dato' Ir. Dr. Gue See Sew
3. Y.Bhg. Datuk Paduka Ir. (Dr.) Hj Keizrul bin Abdullah
4. Y.Bhg Ahli Akademik Dato' Ir. Prof. Dr. Chuah Hean Teik
5. Ir. Choo Kok Beng
6. YBhg. Dato' Lim Chow Hock

Yang DiPertua kemudian mengucapkan terima kasih kepada semua bekas Yang DiPertua di atas sumbangan untuk sesi-sesi yang lepas.

14.0 PEMILIHAN JURUAUDIT DALAMAN KEHORMAT

14.1 Yang DiPertua kemudian menjemput percalonan untuk jawatan Juruaudit Dalaman Kehormat. Beliau selanjutnya memaklumkan kepada MAT bahawa juruaudit dalaman semasa adalah Ir. Awangku Hidup Bin Awangku Hosain (M03053) dan Ir. Tiong Ngo Pu (M07252).

Y.Bhg Ahli Akademik Dato' Ir. Prof. Dr. Chuah Hean Teik mencadangkan untuk mengekalkan Juruaudit Dalaman Kehormat semasa iaitu Ir. Awangku Hidup Bin Awangku Hosain (M03053) dan Ir. Tiong Ngo Pu (M07252). Usul itu disokong oleh Y.Bhg. Ahli Akademik Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin. Oleh itu, MAT sebulat suara meluluskan pelantikan semula mereka.

15.0 PERLANTIKAN JURUAUDIT LUAR BERTAULIAH

15.1 Yang DiPertua memaklumkan MAT bahawa Majlis pada mesyuarat terakhir telah melantik semula PKF Malaysia sebagai Juruaudit Luar Bertauliah untuk sesi 2019/2020. MAT sebulat suara menerima cadangan perlantikan tersebut.

16.0 SAMBUNGAN DARI AGENDA 6 - CADANGAN PINDAAN PERLEMBAGAAN DAN UNDANG-UNDANG (RUJUK ITEM 8.0)

Artikel 5.11

MAT menerima pindaan tersebut.

Artikele 5.14

MAT juga menerima pindaan tersebut.

ARTIKEL VI – PENGURUSAN

Artikel 6.10

Y.Bhg Ahli Akademik Dato' Ir. Prof. Dr. Chuah Hean Teik (HF09157) mencadangkan agar Majlis harus mengkaji semula pindaan ini kerana berpendapat ianya perlu ada fleksibiliti. Y.Bhg Ahli Akademik Dato' selanjutnya merujuk kepada kenyataan ("Nota – perlu ada koordinasi dengan Undang-undang 6.19) dimana Y.Bhg Ahli Akademik Dato' telah menyuarakan kepada Jawatankuasa Eksekutif dan ia tidak berkaitan dengan Majlis. Oleh itu, Y.Bhg Ahli Akademik Dato' mencadangkan agar ianya tidak dipinda untuk membolehkan ianya bersifat fleksibiliti. Sekiranya terdapat keperluan untuk menukar angka, ia akan menjadi lebih mudah untuk diubah dalam Undang-Undang dan bukan Perlembagaan. Oleh itu, MAT sebulat suara bersetuju untuk mengekalkan nombor dua puluh empat (24) dan bukannya sembilan belas (19).

Artikel 10.9

Secara pinsip MAT menerima pindaan tersebut.

Undang-Undang - BAHAGIAN II KELAYAKAN UNTUK KEAHLIAN

MAT bersetuju bahawa item ini akan diluluskan oleh Majlis.

Walau bagaimanapun, Ir. Chong Pick Eng (HF01214) menyoal rasional menghapus "... yang kebiasaannya akan dilantik untuk tempoh tiga (3) sesi, dengan satu pertiga (1/3) daripada mereka bersara pada akhir setiap sesi." - Undang-undang 6.3 - Jawatankuasa Tetap Kemasukan dan Latihan Praktikal. Beliau seterusnya mengulas bahawa jika perkataan itu ini dihapuskan maka ia akan bersifat kekal.



Y.Bhg Ahli Akademik Dato' Ir. Prof. Dr. Chuah Hean Teik (HF09157) juga merasakan bahawa perkataan "biasanya" harus dikekalkan. Ini adalah untuk memastikan bahawa ahli-ahli baru akan dilantik. Beliau seterusnya mengulas sekiranya perkataan itu dikeluarkan, ia menunjukkan bahawa tidak ada peluang untuk membawa masuk ahli baru.

Y.Bhg. Datuk Paduka Ir. (Dr.) Hj Keizrul bin Abdullah (HF01691) juga menyatakan bahawa selama ini ahli-ahli akan dilantik semula selepas satu (1) tahun, dan oleh itu ia tidak bersifat kekal. Walau bagaimanapun, Y.Bhg Ahli Akademik Dato' Ir. Prof. Dr. Chuah Hean Teik (HF09157) mencadangkan Majlis untuk melihat semula dan meluluskan untuk mengekalkan Undang-undang 6.30 hingga 6.42.

MAT bersetuju dengan cadangan tersebut.

17.0 HAL-HAL LAIN

Yang DiPertua seterusnya menjemput MAT untuk menyuarakan sebarang isu untuk perbincangan.

- 17.1 Ir. John Cheah Kam Loong (F01186) memaklumkan MAT bahawa beliau adalah Pengerusi Jawatankuasa Kecil Kawalan Denggi di Cawangan IEM Selatan. Menurut Ir. John Cheah, Negeri Selangor mencatatkan jumlah kes denggi yang tinggi dengan lebih 3000 kes. Beliau mencadangkan agar Yang DiPertua dapat memaklumkan seluruh Cawangan IEM untuk menubuhkan Jawatankuasa Kecil Kawalan Denggi. Beliau juga mencadangkan agar Cawangan IEM dapat bekerjasama dengan agensi-agensi kerajaan untuk membantu mencari dan memusnahkan kawasan pembiakan denggi. Yang DiPertua bersetuju untuk membincangkan isu ini pada sesi perbincangan yang akan datang.

18.0 UCAPAN YANG DIPERTUA UNTUK SESI 2019/2020

- 18.1 Juruacara majlis seterusnya menjemput Yang DiPertua untuk membaca teks ucapan bertajuk "**ENGINEERING THE NATION**"

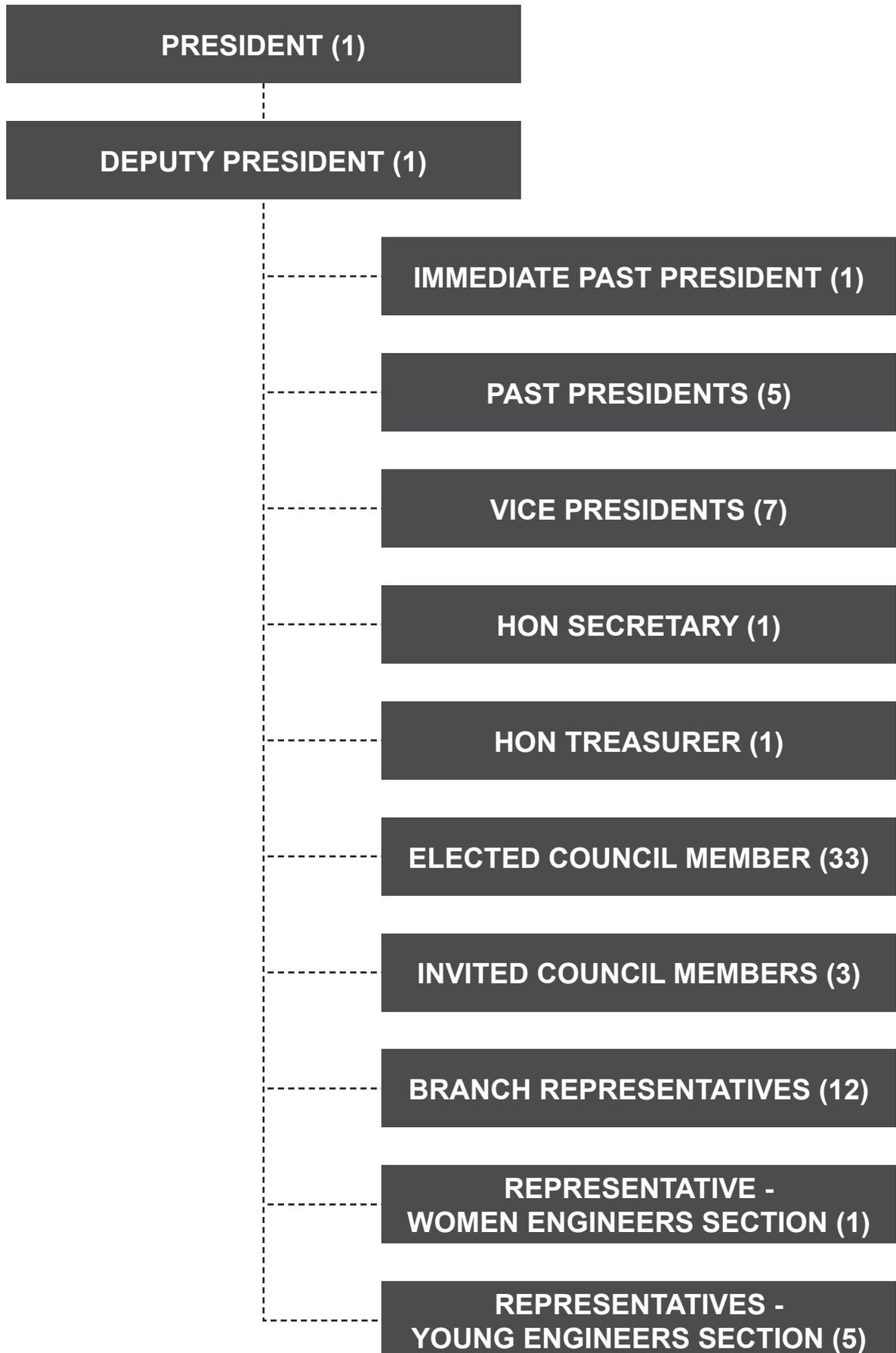
19.0 PENANGGUHAM MESYUARAT AGUNG TAHUNAN 2019

- 19.1 Yang DiPertua memaklumkan bahawa kehadiran MAT pada kali ini adalah seramai 455. Ia merupakan jumlah yang tertinggi dalam sejarah IEM. Yang DiPertua kemudiannya mengucapkan jutaan terima kasih kepada Jawatankuasa Penganjur serta Pengerusi Ir. Gopal Narian Kutty atas usaha menjual sejumlah 138 meja untuk Majlis Makan Malam Tahunan.

Yang DiPertua mengisytiharkan Mesyuarat Agung Tahunan ke-60 ditangguhkan pada jam 1.45 tengahari dan beliau mengucapkan ribuan terima kasih kepada ahli IEM yang hadir. Yang DiPertua juga mengingatkan ahli bahawa Majlis Makan Malam Tahunan 2019 akan diadakan di Grand Ballroom, Sunway Resort Hotel dan Spa. Ucapan terima kasih diberikan kepada mereka yang telah membeli meja sebagai tanda sokongan kepada IEM.

Ir. David Lai Kong Phooi
Yang DiPertua

Ir. Mohd Khir bin Muhammad
Setiausaha Kehormat





First Row (Seated) (L to R)

Ir. Mohd Khir bin Muhammad (Honorary Secretary), Ir. Dr. Wang Hong Kok (Vice President), Ir. Elias bin Saidin (Vice President), Ir. Prof. Dr. Jeffrey Chiang Choong Luin (Vice President), Y.Bhg. Dato' Ir. Dr. Gue See Sew (Past President), Ir. Ong Ching Loon (Deputy President), Ir. David Lai Kong Phooi (President), Ir. Dr. Tan Yean Chin (Immediate Past President), Y.Bhg. Dato' Ir. Lim Chow Hock (Past President), Ir. Prof. Dr. Norlida bt. Buniyamin (Vice President), Y.Bhg. Dato' Ir. Ahmad Murad bin Omar (Vice President), Ir. Dr. Tan Chee Fai (Vice President), Ir. Hj. Mohd Aman bin Hj. Idris (Vice President), Ir. Chen Harn Shean (Hon. Treasurer)

Second Row (L to R)

Ir. Prof. Dr. Lee Tin Sin (Chemical Representative), Ir. Bhuvendhara a/l Rudrusamy (Representative of Other Disciplines), Ir. Heng Lee Sun (Representative of IEM Penang Branch), Ir. Prof. Dr. Leong Wai Yie, Ir. Dr. David Chuah Joon Huang (Representative for ICT and Multimedia), Ir. Dr. Jayanthi Ramasamy, Ir. Dr. Lee Yun Fook (Civil Representative), Ir. Mah Siew Kien, Ir. Rusnida binti Talib (WE Chairman), Ir. Yasotha Ramachandran Chetty, Ir. Lai Sze Ching, Ir. Steven Toh Chin Kok, Y.Bhg. Dato' Ir. Foong Choy Chye, Ir. Sukhairul Nizam bin Abd Razak, Ir. Dr. Mui Kai Yin

Third Row (L to R)

Y.Bhg. Dato' Ir. Mohd Azmi bin Ismail, Ms Tiang Kor Lin (YES Representative), Dr. Yew Weng Kean (YES Representative), Mr. Tan Teck Ying (YES Representative), Mr. Lim Yiren (YES Representative), Ir. William Ho Choon Kwang (Representative of IEM Melaka Branch), Ir. Razmahwata bin Mohamad Razalli, Ir. Mohamad Asari bin Daud, Ir. Abdullah bin Othman (Chairman, Kedah-Perlis Branch), Ir. Abdullah Zawawi bin Mohamad Noor (Chairman, Terengganu Branch), Ir. Ng Yong Kong, Ir. Simon Yeong Chin Chow (Chairman, Perak Branch)

Fourth Row (L to R)

Mr. Kuagan Thangarajoo (YES Representative), Ir. Yau Chau Fong, Ir. Yam Teong Sian, Ir. Dr. Lai Khin Wee, Ir. Yim Hon Wa, Ir. Dr. Ng Soon Ching (Structural Representative), Ir. Dr. Oh Seong Por (Chairman, Negeri Sembilan Branch), Ir. Fam Yew Hin (Mechanical Representative), Y.Bhg. Dato' Ir. Noor Azmi bin Jaafar, Y.Bhg. Dato' Ir. (Dr) Andy Seo Kian Haw, Ir. Abrizan bin Abd Kadir (Chairman, Kelantan Branch), Ir. Tan Joo Kok (Representative, IEM Sarawak Branch), Ir. Tian Foong Howe (Representative, Miri Branch), Ir. Prof. Dr. Ruslan Hassan

Not in Picture

Y.Bhg. Academician Tan Sri Ir. (Dr.) Hj. Ahmad Zaidée bin Laidin (Past President), Y.Bhg. Dato' Paduka Ir. Hj. Keizrul bin Abdullah (Past President), Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik (Past President), Ir. Choo Kok Beng (Past President), Ir. Lim Kim Ten (Electrical Representative), Ir. Abdul Razak bin Yakob, Y.Bhg. Dato' Ir. Kisaibin Rahmat, Y.Bhg. Dato' Ir. Nor Hisham bin Mohd Ghazali, Y. Bhg. Dato' Ir. Fakharazi bin Wahijan, Ir. Ng Beng Hooi, Ir. Ting Chek Choon, Y.Bhg. Dato' Ir. Dr. Ahmad Anuar bin Othman, Ir. Hj. Omar bin Mat Plah, Y.Bhg. Dato' Seri Ir. Dr. Zaini bin Ujang, Ir. Ahmad Kamal bin Kuriji (Chairman, Pahang Branch), Ir. James Yong Hon Min (Chairman, Sabah Branch), Ir. Teo Ki Yuee (Chairman, Southern Branch)



First Row (Seated) (L to R)

Ir. Dr Wang Hong Kok (Vice President), Ir. Elias bin Saidin (Vice President), Ir. Prof. Dr Jeffrey Chiang Choong Luin (Vice President), Ir. Chen Ham Shean (Honorary Treasurer), Ir. Ong Ching Loon (Deputy President), Ir. David Lai Kong Phooi (President), Ir. Mohd Khir bin Muhammad (Honorary Secretary), Ir. Prof Dr Norlida binti Bunyamin (Vice President), Y.Bhg. Dato' Ir. Ahmad Murad bin Omar (Vice President), Ir. Dr Tan Chee Fai (Vice President), Ir. Hj Mohd Aman bin Hj Idris (Vice President)

Second Row (L to R)

Ir. Prof Dr Leong Wai Yie, Ir. Yam Teong Sian, Ir. Dr. David Chuah Joon Huang, Ir. Yau Chau Fong, Ir. Dr Lee Yun Fook, Ir. Dr Ng Soon Ching, Ir. Fam Yew Hin

Not in Picture

Ir. Lai Sze Ching

URUSETIA IEM



IEM SECRETARIAT



First Row (Seated) (L to R)

Mr. Loo Weng Soon (Manager), Ms. Sarita Kaur (Senior Manager), Ms. Janet Lim Kwai Cheng (Chief Operations Officer), Ir. Chen Ham Shean (Honorary Treasurer), Ir. Ong Ching Loon (Deputy President), Ir. David Lai Kong Phooi (President), Ir. Mohd Khir bin Muhammad (Honorary Secretary), Ms. Ooi Beng Ean (General Manager – Special Projects), Cik Shahrul Bahariah bt Sulaiman (Senior Manager), En Danial Iskandar bin Abdul Rahman (Senior Manager), Cik Zainun bt Mohamed Rani (Senior Executive)

Second Row (L to R)

Cik Ratnadayah binti Zaini, Cik Siti Aisyah binti Saaey, Ms. Prema a/p Silvarajan, Puan Nurul Aida binti Abdul Razak, Puan Norimah binti Md. Hashim, Puan Suhana bt Omar, Cik Noor Afzan bt Che Abd Aziz, Ms. Roselein a/p Lodo Samy, Ms. Parimala a/p Maruthamuthoo, Ms Valli P. Saminathan, Puan Rahanum binti Mohamad, Cik Suriani bt Jali, Puan Halimah binti Musa

Third Row (L to R)

Cik Farezah binti Junaidi, Puan Mirdeeliani Binti Amir, Puan Ruhaida binti Daud, Puan Natasha Afzan binti Ahmad Kamal, Puan Hilwani binti Mansor, Puan Nurul Ezzaty binti Hosnan, Puan Norhuzaimah binti Hamazin, Ms.Wong May Lee, Cik Norshafiqah binti Sha'ari, Cik Wan Nur Adlina bt Rasidi, Cik Nur Amira bt Mohidin, Puan Nur Amalienna bt Zamri

Fourth Row (L to R)

En. Aklanie Mahzan bin Mat Zin, En. Izharuddin Alradzi bin Mohamad Hairani, En. Baharuddin bin Mohamad Suhaimin, En Adam Sofri bin Muhd Sharum, En. Abdullah bin Anda, En. Azizi bin Ajik

Not In Picture

Ms Samantha Hee Siaw Shen, Ms Karen Ng Shiao Yin

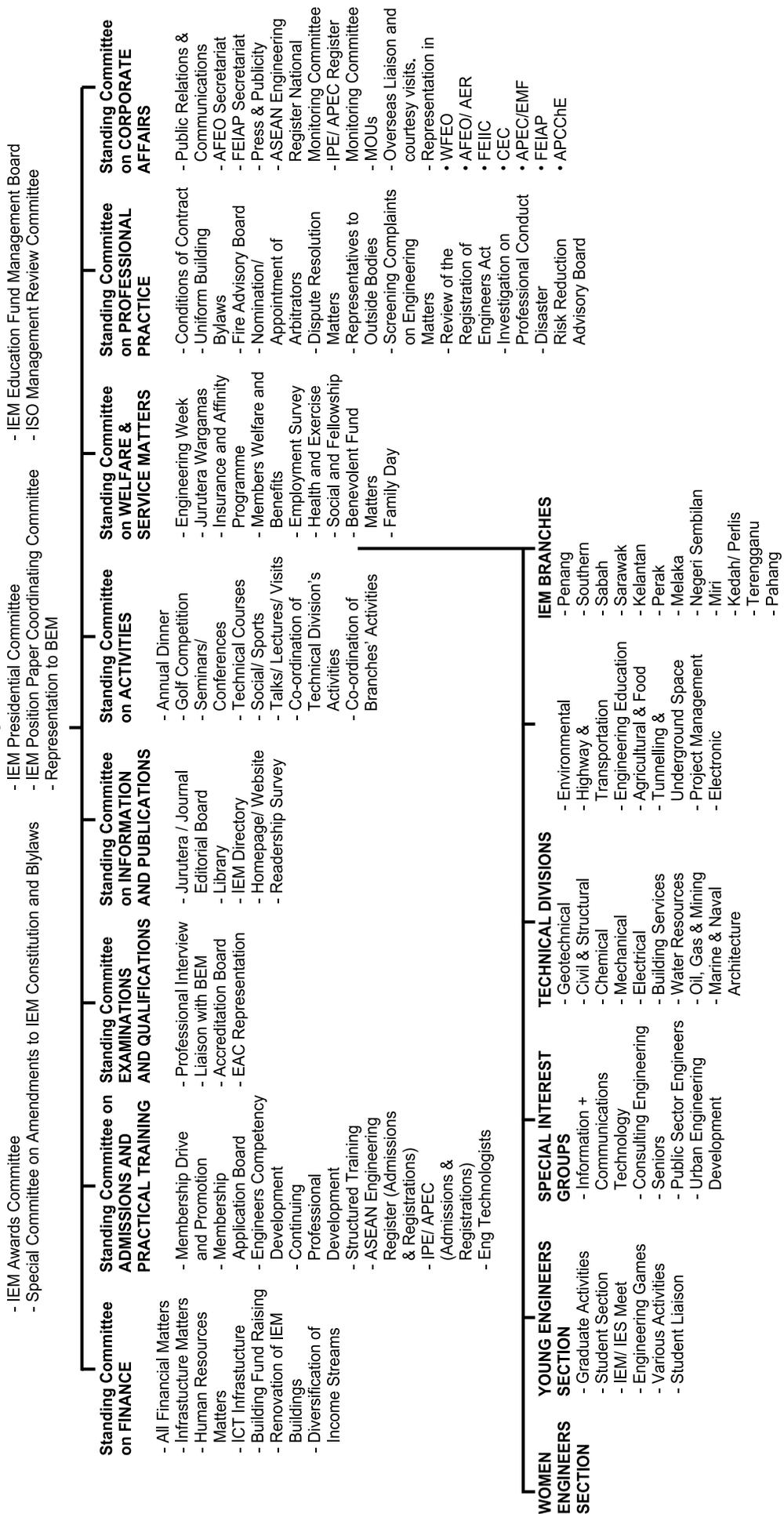




MEMBERS OF THE INSTITUTION

THE COUNCIL

THE EXECUTIVE COMMITTEE





1 INTRODUCTION

1.1 It is with great pleasure that I present to you the 61st Annual Report for session 2019/2020 covering the period 1 April 2019 until 31 March 2020.

2 MEMBERSHIP

2.1 The membership of the Institution as at 1 March 2020 now stands at 53,894.

Comparative figures of the last five years are as follows:

Grade	2016	2017	2018	2019	2020
Distinguished Hon. Fellow	2	2	2	2	2
Hon. Fellow	28	28	28	28	27
Fellow	714	736	731	739	772
D. Member	1	1	1	1	1
Hon. Member	7	8	8	7	7
Senior Member	17	31	35	39	45
Member	9,501	10,119	10,230	11,048	11,647
Companion	179	222	240	281	320
Graduate	9,430	10,385	9,597	9,303	9,441
Incorporated	60	82	98	115	120
Affiliate	18	28	28	27	34
Associate	24	41	39	53	59
Student	20,227	20,176	24,629	26,969	31,419
Total	40,208	41,859	45,666	48,612	53,894

2.1.1 Membership by Branches:

BRANCH	H F	F	HM	SM	M	C	G	IM	A	AM	S	TOTAL
Kedah-Perlis Branch	0	9	0	0	303	13	307	5	0	0	2092	2729
Penang Branch	1	28	0	2	580	18	507	4	0	2	1542	2684
Perak Branch	1	23	0	3	448	7	554	18	2	3	2798	3857
Kelantan Branch	0	4	0	1	147	2	134	1	0	1	1832	2122
Pahang Branch	0	5	0	1	154	2	236	1	0	2	1504	1905
Terengganu Branch	0	5	0	0	159	4	142	0	1	1	1465	1777
Sarawak Branch	2	37	0	3	809	16	736	5	0	2	2901	4511
Miri Branch - Brunei	0	14	1	0	78	5	151	1	1	1	238	490
Southern Branch – Johor & Singapore	1	35	1	5	532	26	703	8	1	2	4766	6080
Melaka Branch	0	9	0	1	206	9	258	2	0	1	1197	1683
Negeri Sembilan Branch	0	13	3	0	308	14	365	8	1	1	1465	2178
Sabah Branch – Sabah & Labuan	2	41	0	1	619	7	477	2	0	1	1094	2244
TOTAL	7	223	5	17	4343	123	4570	55	6	17	22894	32260



2.2 Breakdown by discipline is as follows :

BRANCH	DHF	HF	F	DM	HM	SM	M	C	G	IM	A	AM	S	TOTAL
AERONAUTICAL	0	0	1	0	0	0	16	3	17	3	0	1	54	95
AEROSPACE	0	0	0	0	0	0	10	0	16	0	0	0	43	69
AGRICULTURAL	0	0	4	0	0	0	28	2	34	1	0	0	14	83
ARCHITECTURAL	0	0	0	0	0	0	1	0	1	0	0	0	1	3
AUTOMOTIVE	0	0	0	0	0	0	3	0	3	0	0	1	19	26
BIOCHEMICAL	0	0	0	0	0	0	0	1	9	0	0	0	21	31
BIOENGINEERING	0	0	0	0	0	0	0	0	1	0	0	0	1	2
BIOLOGY & AGRICULTURAL	0	0	0	0	0	0	0	0	0	0	0	0	3	3
BIO-MEDICAL	0	0	0	0	0	0	12	0	27	2	0	1	187	229
BIOTECHNOLOGY	0	0	0	0	0	0	0	0	1	0	0	0	1	2
BUILDING	0	0	0	0	0	0	1	0	0	0	1	3	1	6
BUILDING SERVICES	0	0	0	0	0	0	7	0	1	0	0	3	0	11
CAD/CAM	0	0	0	0	0	0	1	0	2	0	0	0	12	15
CHEMICAL	0	0	21	0	0	2	329	23	734	5	3	0	2401	3518
CIVIL	0	10	448	0	0	21	5807	106	3710	23	3	15	7530	17673
CIVIL & STRUCTURAL	0	0	0	0	0	0	0	0	1	0	0	0	2	3
COMMUNICATION	0	0	1	0	0	0	10	0	14	0	0	0	62	87
COMPUTER	0	0	1	0	0	0	7	1	21	0	2	0	89	121
COMPUTER & COMMUNICATION	0	0	0	0	0	0	5	0	2	0	0	0	10	17
COMPUTER SYSTEMS	0	0	0	0	0	0	1	0	1	0	1	1	4	8
CONSTRUCTION	0	0	0	0	0	0	3	0	2	0	0	0	1	6
CONTROL SYSTEM	0	0	0	0	0	0	1	0	1	0	0	0	1	3
ELECTRICAL	1	7	131	1	0	11	2458	41	1532	27	0	10	4194	8413
ELECTRICAL & ELECTRONIC	0	0	0	0	0	0	1	1	1	0	0	0	676	679
ELECTROMECHANICAL	0	0	0	0	0	0	3	0	0	0	0	0	2	5
ELECTRONIC	0	0	11	0	0	1	387	45	616	16	4	8	4279	5367
ELECTRONIC & RADIO	0	0	0	0	0	0	1	0	3	0	0	0	0	4
ENERGY	0	0	0	0	0	0	2	0	1	0	0	0	0	3
ENVIRONMENTAL	0	0	0	0	0	0	14	2	65	0	1	0	124	206
FOOD & PROCESS	0	0	0	0	0	0	2	0	11	0	0	0	1	14
FUEL	0	0	2	0	0	0	0	0	0	0	0	0	0	2
GAS	0	0	0	0	0	0	0	0	0	0	0	0	11	11
GENERAL	0	0	0	0	0	0	0	0	1	0	0	0	1	2
GEOLOGICAL	0	0	0	0	0	0	1	0	1	0	3	0	0	5
GEOTECHNICAL	0	0	1	0	0	0	25	0	4	0	2	0	4	36



HIGHWAY	0	0	0	0	0	0	11	0	0	0	0	0	0	11
HIGHWAY & TRANSPORT	0	0	0	0	0	0	3	0	0	0	0	0	0	3
HYDRAULIC	0	0	0	0	0	0	1	0	1	0	0	0	0	2
INDUSTRIAL	0	0	0	0	0	0	8	3	18	0	0	0	14	43
INFRASTRUCTURE MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	65	65
INFORMATION TECHNOLOGY	0	0	0	0	0	0	0	0	1	0	0	1	0	2
INSTRUMENTATION & CONTROL	0	0	0	0	0	0	70	0	4	1	0	0	0	75
MANUFACTURING	0	0	0	0	0	0	42	3	109	2	0	1	1041	1198
MANUFACTURING SYSTEMS	0	0	0	0	0	0	1	0	3	0	0	0	1	5
MARINE	0	0	0	0	0	0	18	0	6	0	1	1	1	27
MATERIALS	0	0	2	0	0	0	21	3	51	1	2	1	134	215
MECHANICAL	0	4	134	0	0	8	2133	80	2196	23	4	9	9050	13641
MECHANICAL SYSTEM	0	0	0	0	0	0	0	0	3	0	0	0	0	3
MECHANICS	0	0	0	0	0	0	0	0	0	0	0	0	2	2
MECHATRONICS	0	0	0	0	0	0	7	2	106	10	1	2	1037	1165
METALLURGY	0	0	1	0	0	0	5	0	9	1	0	0	1	17
MICROELECTRONIC	0	0	0	0	0	0	0	0	3	1	0	0	34	38
MINERAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINERAL PROCESSING	0	0	0	0	0	0	1	0	1	0	0	0	0	2
MINERAL RESOURCES	0	0	0	0	0	0	8	0	19	0	1	0	3	31
MINING	0	0	5	0	0	0	22	0	3	1	0	0	0	31
MINING & METALLURGY	0	0	1	0	0	0	0	0	0	0	0	0	0	1
MUNICIPAL	0	0	0	0	0	0	1	0	0	0	0	0	0	1
NAVAL ARCHITECTURE	0	0	0	0	0	0	15	1	2	1	1	0	19	39
NUCLEAR	0	0	1	0	0	0	1	0	0	0	0	0	11	13
OTHERS	1	6	0	0	7	0	3	0	2	0	2	0	9	30
PETROLEUM	0	0	1	0	0	2	9	1	34	0	0	0	202	249
POLYMER	0	0	0	0	0	0	1	0	7	1	1	0	9	19
PRODUCTION	0	0	1	0	0	0	9	1	5	1	0	0	1	18
STRUCTURAL	0	0	3	0	0	0	49	0	12	0	0	0	3	67
SYSTEMS	0	0	0	0	0	0	0	0	1	0	0	0	0	1
TELECOMMUNICATION	0	0	0	0	0	0	34	1	11	0	1	1	31	79
TEXTILE	0	0	0	0	0	0	1	0	0	0	0	0	2	3
TRAFFIC	0	0	0	0	0	0	3	0	0	0	0	0	0	3
TRANSPORT	0	0	1	0	0	0	6	0	0	0	0	0	0	7
WATER RESOURCES	0	0	1	0	0	0	28	0	1	0	0	0	0	30
TOTAL	2	27	772	1	7	45	11647	320	9441	120	34	59	31419	53894



2.3 Deaths and resignations during the session are tabulated as follows:

Grade	Deceased	Resigned
Hon Fellow	3	-
Fellow	4	1
Member	18	26
Graduate	6	34
Student	1	7
Total	32	68

2.4 To date, 2,304 members are in arrears of subscription for the year 2019. The total arrears in subscription for this particular year was recorded at RM301,645. The Council would look into deleting their names from the membership register if the arrears were not settled by mid 2020.

2.5 For the session under review, a total of 227 members were reinstated. The details are as follows:

Member	-	70
Graduate	-	152
Companion	-	4
Incorporated	-	1

3 THE COUNCIL AND THE EXECUTIVE COMMITTEE

3.1 Five Council and thirteen monthly Executive Committee (Excomm) meetings were held during the session to look into the management of the properties and affairs of the Institution.

3.2 I wish to thank all members of the Council, Executive Committee, Standing Committees, Branches, Technical Divisions, Special Interest Groups, Sections, Sub Committees, Ad Hoc Committees and other Committees for their participation, contribution and support in the activities of the institution in the furtherance of its objective to promote the science and profession of engineering in the spirit of a learned society.

3.3 I must also express a vote of thanks to the various members who may not have served on the above Committees, but voluntarily served as IEM representatives to the various government bodies and organisations.

4 STANDING COMMITTEE ON FINANCE

4.1 The role of the Standing Committee chaired by the Deputy President, Ir. Ong Ching Loon is to conduct the financial management of the properties and affairs of the IEM. Regular meetings were held every 3rd Thursday of the month.

4.2 Main Sources of Income

4.2.1 Annual Subscription

Financing of the operating expenditure of the Institution continue to depend largely on the collection of members' annual subscriptions. For the year 2019, income from annual subscriptions stood at approximately 70% of the total income compared to 65% in 2018, 51% in 2017 and 57% in 2016.

In accordance with the Bylaws, reminders to members on their annual subscription payments were sent out by the Institution. For the year 2019, 91.2% of the members had settled their subscriptions by the end of the year. IEM wish to thank all members who had promptly settled their subscriptions.

As at the end of the financial year 2019, 2,304 members are in arrears of subscription for 2019 compared to 4,638 in 2018. The total outstanding collection for the year amounted to RM301,645 compared to RM372,050 in 2018. IEM would like to appeal to these members to settle the arrears as soon as possible.

4.2.2 Rental

A new tenant, Merdeka Strategic Development Centre Sdn Bhd was secured for first and second floor of Wisma IEM with a two-year tenancy commencing February 2019 with an option to renew for another two years.

The ground floor of Bangunan Ingenieur continue to be rented out to Pizza Hut at a monthly rental of RM16,907. Pizza Hut's tenancy was renewed in November 2018 for another three years.



4.2.3 Activities Income

The IEM Technical Divisions continue to organise activities such as courses, seminars, workshops etc for the benefit for members' professional development as well as generate some income for the Institution. Income generated contributes to the improvement of facilities as well as services of the Institution. For the year 2019, income generated by the Technical Divisions amounted to RM318,845 which indicated a rather large drop compared to 2018.

Nevertheless, various efforts are being initiated to improve the activities so as to be more relevant to attract more participants.

4.2.4 Diversification of Income Streams

In an effort to reduce IEM's dependency on annual subscriptions, the Standing Committee embarked on an initiative to look into diversification of IEM's income streams. Four possible new income streams were identified namely:

- (i) Organising an annual IEM/Engineering Exhibition
- (ii) Secure annual sponsorships for IEM
- (iii) Providing advertising opportunities to generate more income for IEM
- (iv) Sale of Publications

For a start, (i), (ii) and (iii) had been put into action. IEM has entered a partnership with exhibition organizer, CIS Network Sdn Bhd to organize an annual IEM Convention. This convention will comprise of an engineering exhibition cutting across all disciplines – for a start in 2020, the exhibition named "ENGINEER" will cover the four major disciplines of Civil, Mechanical, Electrical and Chemical under one roof. This 5-year partnership will bring a confirmed annual income of at least RM200,000 to IEM. The Standing Committee would greatly appreciate support from all IEM members for the Convention scheduled from 23rd to 26th September 2020 at the Kuala Lumpur Convention Centre.

For annual sponsorship and advertising opportunities, IEM is introducing a Sponsorship and Advertising Package for companies to promote their engineering related products and services. The intention is to expose IEM members to the various products and services with latest technologies as well as generate income for IEM. These packages would nevertheless be subject to the IEM Commercialisation Guidelines so as to ensure IEM's impartiality.

4.3 Administrative Expenses

In order to control expenses and at the same time, provide adequate services to members, the Standing Committee implements strict but effective budgetary control measures. In view of the increase in operating costs and the drop in income due to the economic situation, various costs control measures were implemented to ensure that operating costs are controlled within the limited funds of the Institution while at the same time ensuring that services to members are not impaired.

4.4 Sub Committee on Human Resources

The Sub Committee chaired by the Honorary Secretary, Ir. Mohd Khir bin Muhammad looked into the recruitment and deployment of staff for the Secretariat. Meetings were regularly held to deal with matters relating to Human Resource of Secretariat. As at 31 December 2019, the Secretariat's staff strength 42 including three staff under the International Office that is financed by AER, FEIAP and APEC Engineers Register.

In 2020, five (5) will be receiving their Long Service Award as follows:

Janet Lim	20 years
Sarita Kaur	20 years
Norimah Md Hashim	20 years
Prema Silvarajan	15 years
Abdullah bin Anda	15 years
Ruhaida binti Daud	10 years

4.5 Sub Committee on IEM Infrastructure

The Sub Committee chaired by the Honorary Treasurer, Ir. Chen Harn Shean continued to monitor the maintenance and renovation of Bangunan Ingenieur and Wisma IEM. The function of the Sub Committee also covered managing the usage of the meeting rooms, security system of IEM, fire protection, electrical installations, ICT computerisation and networking, general facilities, etc. For 2019, the Sub Committee handled the renovation and refurbishment of the Ground Floor of Wisma IEM to provide better services such as a more spacious place for lunch or refreshments. Named **D'Place@IEM**, the new cafeteria is able to accommodate 130 pax with a better ambience to improve members' appetite. There is also a Members' Lounge and a Digital Maker Space operated by the ICT Special Interest Group.

The Standing Committee acknowledges that there are still some shortcomings to the facilities and will continue to look into further improvement within the constraints of the Institution's finance.

4.6 Sub Committee on IEM IT Infrastructure

Ir. Guansagaran Kristnan was appointed to chair this newly formed Sub Committee that is tasked to look into the IT Infrastructure of IEM. The Sub Committee is now reviewing the contract of the vendor for IEM portal as well as preparing a road map to move the IEM portal to cloud.



5 STANDING COMMITTEE ON ADMISSIONS AND PRACTICAL TRAINING

5.1 Ir. Mohd Aman bin Hj. Idris was appointed as the Chairman for the Standing Committee for the session 2019/2020. The main role of this Standing Committee was to scrutinise applications for candidates applying for election/admission/transfer to the various grades of membership. This Standing Committee also worked closely with the Standing Committee on Examinations and Qualifications in organising awareness talks relating to Corporate membership/Professional Engineer and career in engineering.

5.2 Up to 31 December 2019, a total of 6087 candidates were approved for election, admission and transfer to the various grades as listed below:

	2017	2018	2019
(a) Transferred to the Grade of Distinguished Hon. Fellow	-	-	-
(b) Elected to the Grade of Hon. Fellow	-	-	2
(c) Transferred to the Grade of Fellow	17	29	18
(d) Admitted/Transferred to the Grade of Senior	6	6	7
(e) Approved to sit for the Professional Interview	925	1240	207
(f) Admitted/Transferred to the Grade of Companion	83	79	82
(g) Admitted/Transferred to the Grade of Graduate	1576	1283	1171
(h) Admitted/Transferred to the Grade of Incorporated Member	33	38	23
(i) Admitted to the Grade of Affiliate	2	6	4
(j) Admitted to the Grade of Associate	12	19	10
(k) Admitted to the Grade of Student	5154	4563	4563
Total	7808	7263	6087

A total of 82 applications had been approved to sit for the Professional Assessment Examination (PAE) for the year 2019.

5.3 Sub-Committee on Membership Applications Board (MAB).

Ir. Dr Lee Yun Fook continued to chair the Sub-Committee for the second session 2019/2020. The Sub-Committee also continued its role of vetting and assessing applications for the various grades of membership of the Institution.

5.3.1 Processing of AER, AAE and IPE/APEC International Engineer Register Applications

The Membership Applications Board's also vetted and recommended applications from members for their Asia-Pacific Economic Co-operation Engineer Register / International Professional Engineers Register, ASEAN Engineer, Associate ASEAN Engineer and Associate ASEAN Technologist membership. The following is the breakdown of applications for these Registers:

- 33 approved for the Asia-Pacific Economic Co-operation Engineer Register / International Professional Engineers Register (APEC/Int.PE)
- 22 approved for ASEAN Engineer (AE)
- 26 approved for Associate ASEAN Engineer (AAE)
- 1 approved for Associate ASEAN Technologist (AET)

5.4 Sub-Committee on Membership Drive and Promotions

Ir. Fam Yew Hin continued to chair the Sub-Committee on Membership Drive and Promotions for the first three months. Thereafter, Ir. Dr. Aidil Chee Tahir was appointed as the new Chairman for the Sub-Committee for the session 2019/2020. During the year, the Sub-Committee conducted membership drive talks/events at various international and local engineering related organizations, Institutions of Higher Learning (IHLs) and governmental agencies. The Technical Divisions and IEM Branches also contributed towards the success of the membership drive initiative by organizing 90 membership drive events/talks and other related activities in 2019.

The Sub-Committee organized a brainstorming session on 27 July 2019. The main objective of the session was to review the previous year's activities and to establish an effective plan to increase the Institution's membership and relevance within the engineering fraternity, as well as exploring strategies and ideas to attract new members. In addition, the Sub-Committee continued to organize road-shows at IEM Branches across Malaysia. The objective of the road-shows was to create an awareness about IEM and to encourage non-IEM engineers to join as a member, as well as sharing with both IEM and non-IEM members on how to become a Professional Engineer.

In November 2019, the Sub-Committee organized an IEM Speakers' Training Session which was attended by representatives from various Technical Divisions, as well as IEM membership drive past speakers. During the session, an updated presentation material was shared with the participants.

For the year 2019, the Sub-Committee had successfully engaged two (2) Institutions of Higher Learning (IHLs) to sign a MOU with IEM to recruit new student members and graduating engineering members.

In summary, through these various initiatives, IEM will continue to expand and remain an inclusive and relevant organization to all engineering practitioners.



5.5 Sub Committee on IEM Log Book Training Scheme

The Sub Committee was chaired by Ir. Abdul Razak bin Yakob. The primary responsibilities of the Sub Committee were to assess and confirm the logbooks prepared by the mentees and reviewed by their respective mentors. The logbooks were prepared to document the work and practical experience training progress of mentees career as an engineer and to ensure that the experience can lead the engineer to accumulate adequate experience to be developed into a Professional Engineer. The logbook has to be in conformance to the requirements of the IEM's Engineering Competency Development Guidelines. A total of 187 log books were reviewed and confirmed in the year 2019.

Apart from meeting one Saturday every month for the above activities, the Sub Committee has conducted various works as part of the effort to revamp the mentor mentee programme quality in IEM. Following are the activities conducted:

- Engagement Sessions - This year, as part of the revamp effort, the Sub Committee combined the workshops for mentor and mentee to become an engagement session for mentors and mentees. The sessions were held on 16 March 2019 and 13 July 2019. The Mentor/Mentee Engagement sessions were conducted in HQ and broadcasted to all IEM Branches (where facilities are available).
- IEM's Next Top Mentor 2018 – As part of the effort to recognize the mentor's contribution to the organization, ECD created an event where mentees can propose their mentor to be recognized as top mentor in IEM. It is a competition where the top five (5) mentors are recognized during the AGM. Below are the top five (5) mentors recognized at the AGM on 20 April 2019:

No	Name	Membership No	Discipline
1	Ir. Yong Shu Hwa	M 28976	Chemical
2	Ir. Sam Siong Won	M 17074	Electronic
3	Ir. Chuah Rhun Rieng	M 26229	Electrical
4	Ir. Lee Lam	F 01998	Mechanical
5	Ir. Bhuvendhraa Rudrusamy	F 26383	Electronic

- Logbook format - The new format was created to replace the dated format which was created more than 20 years ago. The new format is created based on the Professional Interview (PI) format, where the logbook can be prepared to get the candidates ready for the future PI. The new format for the ECD (log book) programme is available via online effective January 2019. The new format is required to be used by mentees registered from 1 January 2019.
- List of IEM ECD Mentors and Mentees – There has been confusion on the definition of mentors and mentees. For clarity, IEM ECD Mentors and Mentees are those registered with ECD programme. Any other mentors acting on their own initiative are not part of the programme if they are not registered with the programme. To ensure this is clear to all members, the list of registered mentors and mentees under this programme were released / updated two (2) times in 2019.
- The updated ECD Programme Registration forms for Mentees and Mentors registration had been posted on the website.
- The updated IEM ECD Guidelines had also posted on the website.
- Senior Mentors – As part of the effort to recognize mentor's contribution, together with the Sub-Committee on PI Development, we introduced a listing for Senior Mentor. The write up for this effort and how it can contribute to the organization is available on the website. The list of recognized senior mentors based the set criteria is also published on the website.

The Sub Committee on ECD wishes to thank the Executive Committee and Standing Committee on Admissions and Practical Training for the support provided to ensure the activities above able to be completed.

5.6 IEM Training Board

The IEM Training Board chaired by Ir. Li Thang Fai continued to deal mainly on the approval of the training programmes in relation to the requirement of BEM's Continuing Professional Development (CPD) for Professional Engineers.

The main task of the Training Board is to evaluate the training programmes organised by IEM various Committees and Branches. The Training Board also responsible for the approval of CPD hour application from external training providers. In addition, the Training Board also conducted audits on the selected programmes for verifying conformity.

Records for the year 2019 were summarised as follows:-

	Total application received (nos.)	Total application approved for CPD hours (nos.)	Total CPD hours granted (nos.)
<i>IEM own programmes</i>	601	592	2505
<i>Other training providers' programmes</i>	98	98	869



5.7 Special Committee on Structured Training

Ir. Mohd. Radzi Salleh continued to chair the Special Committee on Structured Training for session 2019/2020 for the fifth session. The purpose of the Structured Training programme is to assist the graduate members/engineers who lacked design experience to gain the relevant experience to enable them to be eligible to sit for the Outcome Based Professional Interview.

For the year 2019, the Search Committee on Electrical continued with the third session of the 24-day Electrical Engineering Design course. A total of four (4) participants attended the course. The course ended on 21 December 2019. Apart from the Electrical course, the Search Committee in Chemical Engineering had their first session of the 24-Saturday Structured Training Programme Design in Chemical Engineering (STPD) course on 28 September 2019. The STPD programme is currently ongoing until April 2020. The Search Committee on Civil Engineering plan to conduct the next sub-discipline programme on Structural Design Engineering tentatively in March 2020.

In addition to the above, the Special Committee is also in discussion with Prasarana Berhad for a joint collaboration on the Structured Training. Both parties were currently looking into drafting a Memorandum of Agreement (MOA) on the Structured Training programme. It is hoped that the MoA would be signed in the first quarter of 2020.

6. STANDING COMMITTEE ON EXAMINATIONS AND QUALIFICATIONS

6.1 Ir. Prof Dr Norlida binti Bunyamin was the new Chairperson for the session 2019/2020. The main responsibility of this Standing Committee was to regulate the professional interviews as well as working closely with the Engineering Accreditation Council (EAC) on the accreditation of the engineering degree programmes.

6.2 Professional Interview Board

Ir. Tu Yong Eng continued as Chairman of the PI Board for the session 2019/2020. The main responsibility of the Professional Interview Board was to co-ordinate the conventional and the outcome based professional interviews held at the Head Office as well as the IEM Branches. The Professional Interview Board, on behalf of the BEM also assigned Examiners for the Professional Assessment Examination (PAE) candidates of the BEM. In addition to this, the PI Board would also recommend the Professional Interview results to the Standing Committee for acceptance. For the year 2019, the PI Board together with the Sub Committee on PI Development had conducted eight (8) Professional Interview awareness talks and workshops for the Graduate Members and four (4) IEM Certification and Training workshops on the Outcome Based Professional Interview (*fka Enhanced Professional Interview*) for the Interviewers.

6.2.1 Professional Interviews

The results of the professional interviews conducted from January-December 2019 were recorded as follows:-

Applied to sit	Failed	Waiting for result	Waiting to be interviewed	Postponed	Passed
207	21	10	6	0	170
	18%				82%

IEM approved a total of eighty two (82) applications for the Professional Assessment Examination (PAE) from the Board of Engineers, Malaysia (BEM) in 2019. Fifty three (53) candidates passed whereas twelve (12) were unsuccessful for the PAE.

6.3 IEM Accreditation Board

Ir. Prof Dr. Zainal Abidin Ahmad continued to be the Chairman for the IEM Accreditation Board for session 2019/2020. The role of the IEM Accreditation Board was to assist the Engineering Accreditation Council (EAC). IEM is one of the constituents of the EAC to evaluate local engineering degree programmes offered by both private and public Institutions of Higher Learning (IHLs) in the country.

6.4 Sub Committee on Professional Interview Development

The Sub Committee chaired by Ir. Chen Harn Shean had drafted guidelines for not only the Candidates but also the Assessors of the Membership Applications Board (MAB) as well as for the Interviewers of the Outcome Based Professional Interview. The Sub Committee had also amended and updated the application forms from time to time.

The Sub Committee also worked closely with the Professional Interview Board especially on conducting the outcome based Professional Interview workshops for the Candidates and also the Interviewers and Assessors. In addition, the Sub Committee had also assisted the Sub Committee on Membership Drive and Promotions (MDP) for talks concerning the outcome based Professional Interview to the graduate engineers as well as the members applied to sit for the Professional Interview.

For the year 2019, the Sub Committee also had their members conducted talks at the outcome based professional interview workshops organised by six (6) IEM Branches. The Sub Committee was also currently looking into having the professional interview process be automated. The main objective was to reduce the errors and mistakes done manually so as to increase efficiency in the processing of the outcome based Professional Interview applications.



6.5 Review Committee on IPEA/APEC Review for Audit 2020

The Sub Committee on IPEA/APEC Review for Audit 2020 chaired by Ir. Chen Harn Shean was formed mainly to re-draft the Assessment Statement for the IPEA/APEC, to prepare the Reviewer's Report and to ensure the processing the applications for the IPEA/APEC International register is in line with the requirements of the said international register for the audit 2020. This was to ensure that the Members had obtained the two (2) years of responsible charge of significant engineering works in order to be approved as an APEC/IntPE member.

In addition to this, the Sub Committee was also currently recording the Professional Interviews sessions for the four (4) major engineering disciplines; Chemical, Civil, Electrical/Electronic and Mechanical for the IPEA/APEC review audit 2020. The recording for the audit 2020 would be completed in June 2020.

7 STANDING COMMITTEE ON INFORMATION AND PUBLICATIONS

7.1 For Session 2019/2020, the Standing Committee was chaired by Ir. Dr. Wang Hong Kok. The Standing Committee is responsible for the publication of the IEM monthly Jurutera bulletin, IEM Journal, IEM Directory, IEM official website and the library. In the year under review, the Standing Committee met regularly on every 2nd Tuesday of the month.

7.2 Jurutera

The Chief Editor and Bulletin Editor for the session were Ir. Dr. Wang Hong Kok and Ir. Abdul Razak bin Yakob respectively. Twelve issues of the bulletin were published for the year 2019. The titles for the issues are:

Month	Title	Month	Title
January	Empowering Agricultural and Food Industry Towards Agriculture 4.0	July	Standards and Industry 4.0".
February	Re-Engineering the Marine Industry	August	Women on Board: Beyond Gender Equality to Leadership
March	Smart Cities	September	Next Generation Tunnellers
April	60 Years of Engineering the Nation	October	Project Management Consultancy in Malaysian Construction Industry
May	AGM/IEM 60th Annual Dinner and Awards Night 2019	November	Work Force Skill Gaps In Oil and Gas
June	Cyber Security Consultancy	December	Working Towards the Future with I o T

On average, more than 23,000 copies were circulated each month to members across the country.

7.3 Journal

Two (2) issues of the Journal were published for the year 2019. The Principal Journal Editor for the session was Ir. Dr. David Chuah Joon Huang.

7.4 IEM Directory 2015/2016

The Standing Committee had decided not to publish any hard copies of the IEM directory. The last printed IEM directory (printed copy and CD) was produced in 2016. An online directory which is updated "real time" is made available on the IEM website.

7.5 IEM Website and Homepage

The Standing Committee continued to monitor and improve the webpage. Efforts were made to make the website more user-friendly and to keep members updated with useful announcements. For the session, the Committee also embarked on the initiative to post recorded videos of talks conducted at IEM HQ on the website for the benefit of IEM members.

7.6 Library

The Sub Committee on Library chaired by Ir. CMM Aboobucker met 10 times in the year 2019.

This year we added 71 new of physical books to our library collections. Increasing from 7,036 books in 2018 to 7,135 books in 2019. The titles cover numerous disciplines. Apart from engineering and management topics, there are books on other general topics which are of interest to the engineering fraternity, e.g. cyber security, AI artificial intelligences, climate change, aeronautical engineering, risk management and public administration

Focus in future to increase purchasing of e- books, The IEM library has acquired 374 e-books on engineering and technology topics by end of year 2019. These collections are very popular among members. Apart from technical books, online Journals in the field of Geotechnical Engineering also can be accessed such as NRC Canadian Geotechnical Journal and ASCE Journal Geotechnical and Geoenvironmental Engineering.



Announcement and information on new physical books as well as eBooks are announced regularly through the IEM Portal under the heading, "Benefit and Services". Announcements are also made during IEM events and through TV display screen at Bangunan Ingenieur located near the Lift lobby entrance.

Members who wish to borrow physical books can reserve them through the IEM Portal. Members are also encouraged to submit recommendations of new titles either physical or using special format available in the IEM Portal.

The IEM Library also has continuously liaised with SIRIM Technical Library in providing a service to borrow local and international Standards through SIRIM Membership Card. Members can use this SIRIM Membership Card and loan the required materials except Malaysian Standard, journals, and technical reports. Borrowed materials are to be returned within two weeks. Many members in the academic and consulting field use this facility.

8 STANDING COMMITTEE ON ACTIVITIES

8.1 The Standing Committee was chaired by Vice President, First Admiral Dato' Ir. Haji Ahmad Murad bin Haji Omar (R) for session 2019/2020 while the Vice Chair is Ir. Yap Chau Fong.

The Standing Committee continues to supervise the activities of Technical Divisions, Special Interest Groups and Sections and Branches of the IEM. The main objective of this Standing Committee is organising talks, seminars/courses, conferences, social events and all other activities.

For year 2019 the Standing Committee on Activities organised :-

Activities	Numbers Activities Organised
Technical Talks	206
Technical Visits	83
Paid Activities (Seminars / Courses / Workshop, Symposium)	83
Outdoor / Social	7
Competition	4
Engineering Education Awareness	23
Charity (CSR)	24

A summary of these activities is tabulated in the summary sheet of activities for the year 2019.

8.2 IEM Annual Events and Activities 2019

Some of the major events are highlighted below:

29 - 30 March	14th Malaysia Chem-e-Car Competition 2019 was held at UniKL MICET, Alor Gajah, Melaka. A record of 68 teams participated in the competition and won by Veloxymic Team, Diponegoro University, Indonesia.
20 April	The 60th Annual General Meeting of the IEM was held at Wisma IEM, Petaling Jaya and attended by 445 members.
20 April	The 60th Annual Dinner and Awards Night was held at Sunway Resort Hotel & Spa. 1,390 members and guests attended the event. The Guest of Honour for the night was Y.B. Puan Teresa Kok, Minister of Primary Industries.
27 April	The 7th Academician Dato' Ir. Prof. Dr. Chua Hen Teik Engineering Education Prestige Lecture Series - 2019. The Prestige Lecture Series 2019 entitled "The Challenges Ahead and Our Role As Engineers" by Y.Bhg. Academician Tan Sri Ir. Dr. Ahmad Tajuddin Ali was attended by more than 80 participants.
20 July	IEM Golf Tournament 2019 organised by Mechanical Engineering Technical Division held at Kinrara Golf Club with participation of 84 players (21 flags sold) with 5 sponsors.
04 August	IEM Engineer's Run 2019 was held at Setia City Convention Center (Oval Lawn), Setia Alam, Shah Alam, Selangor with participation of more than 1400 runners.
24 August	IEM STEM Competition 2019 organised by Standing Committee on Welfare and Service Matters was held at University of Malaya, participated by upper secondary school students.
29 September	The IEM Family Day was held on 29 September 2019 at the Tunku Abdul Rahman University College Sports Complex with attendance of approximately 700 participants.



- 05 October The launching ceremony of IEM Maker Space was officiated by IEM President, Ir. David Lai Kong Phooi at Wisma IEM and also attended by Ms. Sumitra Devi, Vice President of Talent & Digital Entrepreneurship, from Malaysia Digital Economy Corporation Sdn Bhd (MDEC).
- 09 - 10 October 4th Junior Chem-e-Car Competition 2019 was held at Dewan Seri Siantan, Putrajaya. A record of 60 teams (300) primary students participated in the competition and won by the team from SK Putrajaya Presint 18 (1)
- 01 - 03 November During Kuala Lumpur Engineering Science Fair (KLESF), under IEM STEM Promotion Sub Committee, Exhibitions on STEM, Activities and Competitions were organised by the Sub Committee Members, mainly from E2TD, WE, ICTSIG, OGMTD & YES, had attracted more than 3,000 participants among the primary and secondary students with more than 15 competitions and workshops held for the durations of 3 days.
- 23 November IEM Bowling Tournament 2019 was organised by Water Resources Technical Division held at Mega Lane Superball (Sunway Pyramid). The 1st IEM's Bowling Tournament was participated by 26 team.
- 27 - 28 November Green Symposium 2019 - "Sustainable Excellence Via Innovative Engineering" held at Armada Hotel, Petaling Jaya and Wisma IEM, Petaling Jaya participated by 120 participants with 7 sponsors.

8.3 IEM Presidential Award of Excellence

The winners for the activities conducted for year 2019 were:

Winner	Electrical Engineering Technical Division (EETD)
2nd Placing	Geotechnical Engineering Technical Division (GETD)
3rd Placing	Civil & Structural Engineering Technical Division (CSETD)
4th Placing	Building Services Technical Division (BSTD)
5th Placing	Women Engineer Section (WE)
Most Improved	Agricultural & Food Engineering Technical Division (AFETD)

9 STANDING COMMITTEE ON PROFESSIONAL PRACTICE

- 9.1 Ir. Ellias Bin Saidan was appointed as the Chairman of this Standing Committee for Session 2019-2020. The Standing Committee held its regular monthly meetings on every third Wednesday of the month to discuss matters pertaining to professional practices.

The principal duties of the Standing Committee is to review, co-ordinate and formulate policies on all aspects of professional practice among members of the Institution including the conduct, ethics, discipline and good technical practice.

The Committee also continued to liaise with other Professional Bodies, Public and Statutory Authorities in respect of professional practice and continued to examine and report to the Executive Committee on any complaint made against a member of the Institution.

The Sub Committees under PPC and the various Chairmen for Session 2019-2020 were as follows:

Sub-Committee	Chairman
Sub Committee on Engineering Contracts	Ir. Gunasagaran Kristnan
Sub Committee on Dispute Avoidance and Resolution Practice (DARP)	Ir. Khoo Choong Keow
The IEM Fire Advisory Board on Fire Protection Services	Ir. Thin Choon Chai
The Disaster Risk Reduction Advisory Board (DRRAB)	Ir. Loo Chee Kin
Sub Committee on Standards Writing	Ir. Hj. Mohd Radzi Salleh
Sub Committee on Street, Drainage & Building Act (Act 133) and Uniform Building Bylaws (Revised) 1984	Ir. Yasotha Chetty
IEM Arbitrator Appointment / ADR Advisory Board	Ir. Ellias Saidin
Sub Committee on Screening of Complaints and Queries	Ir. Khoo Choong Keow
Sub Committee on Legislation Affecting Engineering Profession	Ir. Lai Sze Ching
Outside Bodies Representation (OBR) – Appointment, Monitoring and Reporting	dropped

Standing Committee Activities for year 2019

- (a) 4-4-2019 – Sesi Penerangan Berkenaan Perundangan dan Kesihatan Pekerjaan [KKP] at Wisma IEM
 (b) 20-11-2019 – Talk on Corporate Liability Provision in MACC Act 2019: Impact and Reforming Strategies in Engineering/ Construction Sector.



9.2 Sub Committee on Engineering Contracts

Ir. Gunasagaran Kristnan continued for another term as the Chairman of the Sub Committee on Engineering Contracts for the session 2019-2020. The main objectives of this Sub Committee are:

- (i) Matters related to the Engineering Contracts;
- (ii) IEM Form of Contract for Mechanical and Electrical Engineering Works (Third Edition, January 2017);
- (iii) IEM Form of Contract for Civil Engineering Works (Third Edition, January 2017);
- (iv) IEM Form of Nominated Sub-Contract for Engineering Works (December 2017)

9.2.1 Combination of IEM Form of Contracts

The combination of IEM Form of Contracts was proposed in March 2019 and in the midst of finalizing the contract.

9.2.2 Activities of Sub Committee for year 2019

- (a) 16-1-2019 – Technical Talk on Principles of Construction Contracts.
- (b) Series of the “2-Day Course on Malaysian Civil Engineering Standard Method of Measurement (MyCESMM)” by Ir. Hj. Shahul Ikram bin Hj. Adnan. IEM Academy Sdn Bhd (IEM ASB) no longer collaborate this activities as the Sub Committee on Engineering Contracts to end its MOU with IEMASB from 2019.
- (c) 14-11-2019 – Evening Talk on MyCESMM2 (Malaysian Civil Engineering Standard Method of Measurement)

Date of Events	Venue
20-21/5/2019	Wisma IEM
11-12/6/2019	Wisma IEM
3-4/9/2019	IEM Terengganu Branch
21-22/9/2019	IEM Kuching Branch
18-19/9-2019	IEM Petaling Jaya

9.3 Sub Committee on Dispute Avoidance and Resolution Practice (DARP)

Ir. Khoo Choong Keow appointed to serve as the Chairman of the Sub Committee for 2019-2020 session. The Sub Committee held its regular meetings on bi-monthly on second Tuesday of the month to discuss matters, summarised as follows:

9.3.1 Arbitration & Adjudication Courses, Seminars and Talks

The Sub Committee planned for a series of seminars / workshops / talks throughout the year. Up to date, there were two (2) completed Lectures and details were captured in the Summary Sheets of Activities for Year 2018 of the Annual Report.

9.3.2 Sub Committee Activities for the year 2019

- (a) 31-7-2019 & 1-8-2019 – Joint Course on Alternative Dispute Resolution for Practitioners between IEM, MIArb, RISM and PAM held at Wisma IEM.
- (b) 27-8-2019 - Workshop on Dispute Avoidance No. 4 held at Wisma IEM.

9.4 The Fire Advisory Board (FAB) on Fire Protection Services

Ir. Thin Choon Chai continued his Chairmanship for another term as the Chairman of the Fire Advisory Board (FAB) on Fire Protection Services for the session 2019-2020. The scope and main objectives of this Advisory Board are as follows:

- a) The Fire Advisory Board shall comprise a Chairman, Deputy Chairman, Secretary/Treasurer, Advisor and at least three (3) Committee Members, who shall normally be appointed for a term of yearly session
- b) The principal duties of the Advisory Board shall be:
 - i To study the technical issues related to fire protection with the aim to disseminate information to members with the latest regulations, circulars from *Jabatan Bomba dan Penyelamat Malaysia* as well as to focus on the fire safety aspects by organizing various activities, open forum and dialogue to provide awareness to members as well as architects.
 - ii Since 2013, the Advisory Board targets to train its committee members and young graduates in fire safety aspects via various.
 - iii To review, co-ordinate and formulate policies as well as to advise on all aspects on fire engineering.
 - iv To provide awareness and trainings as one of the advisory roles on fire industries.
 - v To foster closer rapport with local authorities such as SIRIM Berhad, BOMBA and KPKT.
 - vi To look into the representation of IEM in public and statutory authorities and other relevant organisations involved on fire activities.



9.4.1 *The Advisory Board involves to attend the following meetings/dialogues/events:*

- a) *Mesyuarat Majlis Perundangan Jabatan Bomba dan Penyelamat Malaysia bersama Badan Professional held on 28 November 2019.*
- b) *NSC M (Jawatankuasa Standard Perindustrian bagi Keselamatan Kebakaran) meeting held on 21 November 2019.*
- c) *Mesyuarat Pindaan UKBS 1984 Bagi Performance Based Material held on 15 August 2019*
- d) *Mesyuarat Dialog Bersama Professional Bil. 1/209 Jabatan Bomba Dan Penyelamat Malaysia Kuala Lumpur held on 17 April 2019.*
- e) *Bengkel Systematic Review bagi Dokumen Standard di Bawah Technical Committee Dry Fire Protection System (TC/M/1) held on 1 October 2019.*

9.4.2 *Activities of the Advisory Board for year 2019*

- (a) 3-12-2019 – FAB Technical Seminar and Forum held at Wisma IEM

9.5 **The Disaster Risk Reduction Advisory Board (DRRAB)**

Ir. Loo Chee Kin was re-appointed as the Chairman of the Disaster Risk Reduction Advisory Board (DRRAB) for the session 2019-2020.

9.5.1 The scope and main objectives of this Advisory Board are as follows:

1. This Advisory Board function is focusing on the disaster preparedness, mitigation and planning for a community scale or larger. The type of disaster includes; natural, catastrophic fire, biological and chemical disasters.
2. The Advisory Board will advise on mitigation of, prepare for, respond to, and recover from large-scale disasters. This will include drafting standards and procedures, education, high level advocacy and consultation to ensure that the preparedness and best practices of our national disaster recovery work.
3. The Advisory Board will be the focal point of technical expertise on disaster preparedness within IEM.
4. Topics involves: Floods, Haze and Wild Fires, Landslides and Rockslides, Earthquake, Coastal Erosion, Land Subsidence, Tsunami, Catastrophic Chemical Release**, etc.
* - these are taken as large catastrophic events. Smaller fires or chemical control measures would be interest of other committees (Fire Advisory Board and/or Technical Divisions i.e. Chemical Engineering Technical Division).

9.5.2 *The Advisory Board Activities for 2019*

- a) 24-4-2019 – Half Day Seminar jointly organised by Disaster Risk Reduction Advisory Board (DRRAB) and Urban Engineering Development Special Interest Group (UEDSIG) in collaboration with ASEAN Engineering Register (AER).

9.5.3 *IEM Guideline on Flood Abatement Equipment – Engineering Guide of Designation, Testing and Documentation'*

The Guideline on Flood Abatement Equipment – Engineering Guide of Designation, Testing and Documentation was approved Excomm meeting in August 2019.

9.5.4 *Guideline for Engineers Social Responsibility [ESR]*

The Guideline for ESR was approved and adopted in August 2019.

9.5.5 *AFEO Working Groups*

The Advisory Board (DRRAB) at its meeting agreed to nominate Ir. Loo Chee Kin (Chairman) as the main representative and the Deputy Chairman or Secretary DRRAB as the alternative representative to serve and attend this AFEO Working Group. The WG meetings will be held twice a year in conjunction with the AFEO meetings. The representative/s will need to contribute on disaster matters. The meetings attended:

- a) AFEO Mid-Term meeting at Brunei on 30 April & 1 May 2019 attended by Ir. Loo Chee Kin.
- b) 37th CAFEO (11-14 Sept 2019) at Jakarta International Expo, Jakarta – Indonesia.
- c) Prof. Datin Ir. Dr. Hj. Zainab presented 2 papers at the Seminar Disaster Preparedness.
- d) Ir. Kim Kek Seong attended Technical Visit to the Asean Coordinating Centre for Humanitarian Assistance on Disaster Management (AHA Centre) on 12 September 2019.

9.5.6 *Call for Experts and Volunteers*

The IEM Disaster Risk Reduction Advisory Board (DRRAB) under the IEM Standing Committee on Professional Practice (PPC) is compiling a list of volunteers to join the Advisory Board team. Kindly provide your input and interest to IEM Secretariat.

9.6 **Sub Committee on Standards Writing (SWO)**

Ir. Hj. Mohd Radzi Salleh was re-appointed to serve as the Chairman of the Sub Committee for 2019-2020 session to consolidate progress reports from the relevant Committees in IEM. IEM continues to provide expert opinion through representation to various Standard Malaysia Technical Committee and Working Group which previously from SIRIM.



9.7 Sub Committee on Street, Drainage & Building Act 1974 (Act 133) & Uniform Building Bylaws (Revised) 1984

Ir. Yasotha Chetty was appointed to serve as the Chairman of the Sub Committee to provide IEM's views and input to the Ministry of Urban Wellbeing, Housing and Local Government via representation to the Working Group Committees on relevant matters.

9.7.1 Activities of the Sub Committee for year 2019

- a) *Mesyuarat Bengkel Semakan & Pindaan Undang-Undang Kecil Bangunan Seragam 1984* (Pindaan 2012) held on 23 April 2019 and 9 April 2019.
- b) Technical Committee UBBL Bil. 3 meeting held on 29 May 2019.

9.8 IEM Arbitrator Appointment / ADR Advisory Board

Ir. Ellias Saidin was appointed to serve as the Chairman of the Sub Committee for 2019-2020 session.

9.8.1 New Member to Register as IEM Arbitrators

The announcement to call all members to register as a Panel of IEM Arbitrators has been made at IEM Bulletin in November 2019 and IEM official Website.

9.9 Sub Committee on Screening of Complaints and Queries

Ir. Khoo Choong Keow was appointed to serve as the Chairman of the Sub Committee to screen the complaints made against members on grounds of ethics, unfair dismissal, professional misconducts, unethical practice of Professional Engineers and other issues.

The Sub Committee will determine whether such complaints warrant a need to set up disciplinary Adhoc Committee to hear such cases. During the 2019-2020 session, there was no new complaint receive. The previous complaints in 2018/2019 were finalized as follows:-

- a) The Complaint against IEM Member for using M.I.E.M and ASEAN Engineer on business card. The hearing was conducted and the Complainant sent resignation letter to terminate the membership. Case closed.
- b) The Complaint between IEM Council and Executive Committee Members on Unethical & Unprofessional Behavior. The discussion between members involved were done and all parties were given letter of advice for good conduct.
- c) The Complaint between IEM members and the President of IEM. The Chairman of Sub Committee DARP had been appointed to screen the complaint and recommend to Excomm. The recommendation was forwarded to Excomm for deliberation.

9.10 Sub Committee on Legislation Affecting Engineering Profession

Ir. Lai Sze Ching continued his service to provide regular updates and information on the following legislation on how such legislation would impact the engineering profession:

- *Registration of Engineers Act 1967 (Rev 2016)*
- *Technologists and Technicians Act 2015 (Act 768)*

9.11 Outside Bodies Representation (OBR)

The Chairman, Ir. Ellias Saidin was assigned to appoint representatives to attend and participate by maintaining and establishing close rapporteur and participate into various government agencies in meetings with various outside bodies between IEM with Local Authorities and Government or Public sector. Ir. Hj. Mohd. Radzi bin Salleh with Ir. Yap Soon Hoe, former IEM Honorary Secretary with its Committee Members from PPC and CA namely Ir. Tiong Ngo Pu, Ir. Yau Chau Fong and Ir. Loo Chee Kin; formed the Working Group on OBR to study and re-structure the system and produce a manual for the IEM Outside Bodies Representation.

The aim of the updated OBR Manual is to have more generic manual for IEM as it was previously more PPC focused and as of now it involves other Standing Committees such as Corporate Affairs and others. IEM Outside Bodies Representatives will be categorized into the followings:

- (i) One time off event / functions i.e. dinners, opening ceremony, forum, dialogue etc. for example from MBAM, IFE, CIDB, SIRIM, MATRADE, MIDA, ASM, ASLI, Universities, etc.
- (ii) Continuously meetings, workshop, i.e. SIRIM TCs, WGs, MATRADE – NAPSEC, DSM – MSDAM, MyENC, MyNSC, etc.

These representatives require to have an adequate level of professional competency to enable offering expert views and opinions in their respective areas of professional practices. The IEM representatives are also expected to sustain members' participations and well equipped with the latest trend or current development of knowledge and industry experience on the expert topics.



Currently, more than 100 members from IEM Excomm, Council and the respective Standing Committee, Technical Divisions, Special Interest Groups (SIG), Sections and branch representatives representing IEM in more than 150 technical committees, working groups, opening ceremonies, dinner, events, technical dialogue and meetings at various local governments, agencies, institutions, organisations and universities.

As for this exercise, the Secretariat reports and refers all incoming invitations by external parties by referring to and consulting with the IEM President assisted by the PPC Chairman, IEM Honorary Secretary and relevant Committees Chairmen to appoint and identify IEM representatives to attend external meetings and events whilst, the PPC Secretariat handles the necessary administrative works.

All representatives that/who attended the external meetings will be required to submit a copy of the Outside Bodies Representation (OBR) report form within a week from the meeting date especially those representatives who are actively involved in the outside bodies meetings. The reports shall indicate the issues raised in the meetings which affect engineering profession in general and in particular those concerned IEM. All incoming reports will be tabled at the monthly meeting of the Standing Committee on Professional Practice, Technical Divisions and thereafter will be reported to the President and Excomm if there is any matters that require further deliberation or action.

Out of total of 205 invitation received in year 2019 (144 representative attended the meetings and 61 representative attended the social activities), only 64 representatives with 35 reports submission received. Representatives attended the important external meetings regularly to expedite with the submission.

IEM also continues to support other local and international events and become one of the jointly organized and supporters without financial commitment. For these events supported by IEM, the organisers have been provided with an IEM logo for their promotional materials. In return, IEM requested for copy of the conferences proceeding. All representatives attended the conferences are required to pass the conference proceeding to the library for safe-keeping. The representatives are requested to email the Outside Bodies Report to Secretariat for acknowledgment.

IEM continues to provide and assist with comments and input required by the industries such as Malaysian Standard (MS) draft for the Department of Standards Malaysia (DSM), SIRIM Berhad and Jabatan Kerja Raya (JKR).

Most of the details received has been uploaded regularly into IEM official Website (*refer to http://www.myiem.org.my/content/Related_to_Engineering-382.aspx*) and also has been forwarded to Library and InfoPUB for dissemination to IEM Members.

10 STANDING COMMITTEE ON WELFARE AND SERVICE MATTERS

10.1 Under the Chairmanship of Vice President, Ir. Dr Tan Chee Fai, this Standing Committee continues to look into improving IEM's services to members as well as matters pertaining to the welfare of IEM members. Activities such as the IEM Family Day and IEM Engineering Week were successfully organised during the session.

10.2 IEM Benevolent Fund

Total contribution amounting to RM26,926.31 was received from members in the year 2019. IEM would like to record its appreciation to the members for their kind support and generosity. Balance available in the fund as at 31 December 2019 is RM541,630.04.

10.3 Jurutera Wargamas (JWS) and Exempted Members

The scheme specially designed for members who are senior citizens or disabled aimed to reduce the annual subscription for these members to an affordable amount. The affected members would only need to pay 25% of the annual subscription fee with the balance to be settled from the IEM Benevolent Fund Account. Members approved for Jurutera Wargamas in 2019 are as follows:

- (i) Ir. Jeffrey Titus Vijayan (M03957)
- (ii) Ir. Wan Jasmī bin Wan Ali (M05474)

10.4 Employment Survey

The Standing Committee had finalized the survey questionnaire which is anticipated to be distributed by in February 2020.

10.5 IEM Family Day 2019

IEM Family Day serves as an avenue for networking among senior and young engineers and helpful for IEM Council members to obtain feedback on IEM activities. It also promotes the fostering of closer rapport between members. IEM Family Day 2019 was held on 29 September 2019 at Tunku Abdul Rahman University College, Kuala Lumpur and attracted approximately 500 participants comprising IEM Council members, IEM members and their families. SPM/STPM/A-Level award recipients were all invited to this function. Certificates of achievement and cash were given to the children of IEM members who achieved outstanding results in their SPM, STPM and A-Level 2019. This year a total of 29 SPM, 1 STPM and 4 A-Level students were rewarded. There were more than 10 types of challenging and fun games for children and adults. These include fun games, giant bubbles, traditional games etc. IEM hired a caterer to set up foods serving local and western favourites and many other delicious foods.



10.6 IEM Engineering Week 2019 (EW2019)

The Standing Committee organised the 23rd IEM Engineering Week (EW2019) from 4th – 10th August 2019. A one week programme that focused on the following was arranged:-

- To promote Engineering Profession to the public in conjunction to the IEM Engineering Week 2019.
- To promote Engineering to the general public to encourage secondary school students to pursue Engineering as a profession.

The highlight of the IEM EW2019 was the Opening Ceremony which coincided with the IEM Engineer's Run 2019 that was held at Setia City Convention Centre with more than 1000 runners participating.

EW2019 also organised the 4th IEM Science, Technology, Engineering and Mathematics (STEM) Competition 2019 where 7 secondary schools from Klang Valley participated.

10.7 Insurance Matters

Several insurance schemes were arranged with insurance companies for members such as:

- Professional Indemnity Insurance with Zurich Insurance and AON Brokers Malaysia Sdn Bhd
- General Insurance with Zurich Insurance

10.8 Affinity Programme

IEM continue to collaborate with CIMB on the affinity credit card programme which would benefit IEM where 0.1% of the amount spent by members using the card is contributed as rebate to IEM. Other benefits provided includes payment of annual subscriptions via direct debit from the card. IEM members are encouraged to apply or convert their existing card to the CIMB AFFINITY CARD as 0.1% rebate is a substantial income to IEM to finance its operating expenses.

10.9 Other Benefit Projects

The Committee continues to negotiate with vendors and merchants to look into joint collaboration for the benefit of IEM members. For the year 2019, the Committee had obtained corporate rates from several hotels in Klang Valley, Mercedes Benz, Audi, BMW, BP Healthcare, Institut Jantung Negara, World of Sports, Red Wing Shoes, Focus Point etc. The Sub Committee also managed to continue the collaboration for the year 2020.

The Committee will continue to implement more activities for the welfare of members as well as providing excellent services to the members.

11 STANDING COMMITTEE ON CORPORATE AFFAIRS

11.1 The Standing Committee oversee various initiatives to improve the image of IEM as the premier engineering institution in Malaysia and the ASEAN region and handles coordination of the international involvement of IEM and monitors the activities of the various IEM foreign initiatives.

Ir. Prof Dr Jeffrey Chiang Choong Luin continues to serve as its Chairman for second term for session 2019/2020 and resumes to look into means of improving the image of the Institution in the eyes of its members and general public.

11.2 MOU's with Overseas Engineering Institutions

IEM continues to establish Memorandum of Understanding (MOU) with the following institutions:

Federation of Myanmar Engineering Societies	20 January 2019
Canadian Society for Civil Engineering	22 January 2019
Northwestern Polytechnical University, China (NPU)	29 June 2019
Chinese Mechanical Engineering Society (CMES)	26 October 2019

11.3 MOU's with Universities / Institutions of Higher Learning

In addition to overseas engineering institutions, IEM also embarked on signing MOU's with Universities and Institutions of Higher Learning (IHL's) in Malaysia. Each University or IHL covenants to recruit a minimum of 1,000 Student Members for IEM in each of their intakes. The recruitment exercise includes collection of the membership subscription fee at RM50.00 per Student Member. IEM would then provide a financial incentive amounting to 30% of the total membership fees collection by the Universities or IHLs on behalf of IEM, to be utilised by the Universities or IHLs to operate an IEM Centre (a section of the Universities' or IHLs' building set aside for activities by their Student Section or IEM Members from such Universities or IHL).

The Universities or IHL's would also allocate a slot for IEM to meet and speak to the graduating students on Route to IEM Membership just prior to their graduation. In the session under review, IEM signed MOU's with the following Universities or IHL's:



Monash University Malaysia - <i>renewal</i>	17 January 2019
Herriot Watt University Malaysia	8 July 2019
KDU University College	17 October 2019
Universiti Tenaga Nasional (UNITEN) - <i>renewal</i>	20 November 2019

MOU's WITH LOCAL PROFESSIONAL INSTITUTIONS

Malaysian Oil & Gas Services Council (MOGSC)	8 July 2019
Malaysian Green Technology Corporation (MGTC)	9 October 2019

Collaborations

Malaysia Digital Economy Corporation (MDEC)	31 January 2019
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11.4 Interview Sessions, Press Releases and Press Statements

For the year under review, the Standing Committee continues to be active in providing press releases and press statements on various engineering issues and matter of national interest. No press statement were made during the year. However nine (9) press clippings were published in the media pertaining to annual dinners at branches as well as the launching of the IEM Convention 2020. The clippings were uploaded onto the IEM Web Portal Newsroom for the general members' information.

11.5 Courtesy Visit with Government Ministers, Government Agencies, Ministry Officials, Local Councils and other organisations.

7 Jan	IEM paid a courtesy visit to the office of Minister of International Trade and Industry, YB Tuan Ignatius Dorell Leiking
15 Feb	IEM paid a courtesy visit to the office of Chief Minister of Penang, YAB Chow Kon Yeow
19 Feb	IEM paid a courtesy visit to the office of Minister of Works, YB Tuan Baru Bian
25 Feb	IEM paid a courtesy visit to the office of Minister of Finance, YB Lim Guan Eng
4 March	IEM paid a courtesy visit to the office of Minister of Prime Industries, YB Teresa Kok Suh Sim
7 March	IEM paid a courtesy visit to the office of Minister of Youth and Sports, YB Syed Saddiq bin Syed Abdul Rahman
26 July	IEM paid a courtesy visit to the office of University Teknologi Mara (UiTM)
20 August	IEM paid a courtesy visit to the office of Board of Engineers Malaysia (BEM) President YBhg. Dato' Ir. Dr Meor Abdul Aziz bin Haji Osman

11.6 Visits/Dialogues with Overseas Engineering Institutions

IEM held dialogues with the following visitors who paid courtesy visits to IEM in 2019:

10 April	American Society of Civil Engineers (ASCE) paid a courtesy visit to IEM
7 May	Myanmar Engineering Council (MEC) President (Engr. Charlie Thian) and Vice President (Engr. Tin Latt) paid a visit to IEM
21 May	Engineers Australia (EA) CEO, Mr Peter McIntyre and National Presidents of Engineers Australia, The Honourable Trish White paid a courtesy call to IEM
5 August	Institution of Civil Engineers Australia (ICE UK) paid a courtesy visit to IEM
2 October	Delegations from Persatuan Insinyur Indonesia (Padang Branch) paid a courtesy visit to IEM
16 October	Delegations from Chinese Mechanical Engineering Society (CMES) lead by Director of General Office, & Director of Education and Training (Staff) paid a courtesy visit to IEM
17 October	Delegations from Chinese Mechanical Engineering Society (CMES) lead by Director of General Office, & Director of Education and Training (Staff) paid a courtesy visit to IEM
14 November	Engineering Institution of Thailand (EIT), Mr. Soontorn Piromsartkoon paid a special courtesy visit to IEM President Ir. David Lai Kong Phooi
24 December	Taoyuan City Government Republic of China (Taiwan) consists of 24 delegates paid a courtesy visit to IEM



11.7 Inter-Professional Activities

The Institution continues its close rapport with other local professional bodies and organisations amongst which include:

- Board of Engineers Malaysia (BEM)
- The Chartered Institute of Arbitrators (CIArb)
- The Malaysian Institute of Arbitrators (MIArb)
- Association of Consulting Engineers, Malaysia (ACEM)
- Pertubuhan Akitek Malaysia (PAM)
- The Royal Institution of Surveyors, Malaysia (RISM)
- Construction Industry Development Board (CIDB)
- Balai Ikhtisas Malaysia (BIM)
- Malaysian Services Providers Confederation (MSPC)
- Technological Association of Malaysia (TAM)
- Building Management Association of Malaysia (MBAM)
- Confederation of Scientific and Technological Associations in Malaysia (COSTAM)
- Malaysian Geotechnical Society (MGS)
- Malaysia Structural Steel Association (MSSA)
- Professional Skills Development Centre (PSDC)
- Department of Standards Malaysia (DSM)
- Standards and Industrial Research Institute of Malaysia (SIRIM)

The Institution continues its close rapport and liaison with member institutions of the following associations and organisations on matters of common interest:

- ASEAN Federation of Engineering Organisations (AFEO)
- Commonwealth Engineers Council (CEC)
- World Federation of Engineering Organisations (WFEO)
- Federation of Engineering Institutions of Islamic Countries (FEIIC)
- Federation of Engineering Institutions of Asia and the Pacific (FEIAP)
- Asian Pacific Confederation of Chemical Engineers (APCChE)

11.8 International Secretariat

In order to oversee the various initiatives to improve the image of Institution and the position of IEM as the leader of engineers in Malaysia and the ASEAN region, this Standing Committee handles the co-ordination of the international involvement of IEM and monitors the activities of the various IEM foreign initiatives. The Institution is the International Secretariat of ASEAN Federation of Engineering Organisations (AFEO), ASEAN Engineering Register (AER) and Federation of Engineering Institutions of Asia and the Pacific (FEIAP). The International Secretariat handles the day-to-day functions as well as co-ordination for the international events and meetings.

ASEAN Federation of Engineering Organisations (AFEO) Secretariat

The AFEO Governing Board continues to maintain the AFEO Secretariat Management Committee at IEM to facilitate the AFEO Secretariat in performing its duties and responsibilities. IEM was reappointed as the Secretariat and Treasurer for AFEO for session 2019-2020 with Ir. Prof Dr Jeffrey Chiang Choong Luin as the Secretary-General and Ir. Mohd Khir Muhammad as the Honorary Treasurer.

The AFEO Board of Governors held its 18th Mid-term meeting from 30 April – 3 May 2019 at The Centrepoint Hotel, Gadong, Bandar Seri Begawan, Brunei Darussalam hosted by Pertubuhan Ukur, Jurutera dan Arkitek Brunei (PUJA).

Later in the year, The Institution of Engineers, Indonesia (IEI) or better known as Persatuan Insinyur Indonesia (PII) then hosted the 37th AFEO Governing Board meeting at the Jakarta International Exposition and Convention (JIEXPO) in Jakarta, Indonesia from 8-14 September 2019.

The opening ceremony at the JIEXPO on 11 September was officiated by the President of Indonesia, H.E. Bapak Joko Widodo who was also conferred the Distinguished Hon Patron at the opening of the conference. Conference paper presentation, Committee meetings, seminars and technical visits were organised for the participant of the conference.

The 37th Governing Board meeting was also held on 13 September 2019 and ended with the signing of the Jakarta Declaration 2019. Malaysia represented by IEM participated in the International Power Exhibition organized in conjunction with CAFEO37 with the support from MATRADE and managed to set up a Malaysian Pavilion with 14 booths.



YB Baru Bian, the Minister of Works Malaysia who was nominated by IEM for the AFEO Distinguished Hon Fellow was present to receive the conferment from the Indonesian President. The other recipient, YB Yeo Bee Yin, Minister for Energy, Science, Technology, Environment and Climate Change was however unable to attend the opening ceremony to receive the conferment.

Ir. Mohd Khir Muhammad, IEM Hon Secretary concurrently AFEO Hon Treasurer, Ir. Dr Tan Chee Fai, IEM Vice President with YBhg. Dato' Seri Ir. Hj Mohammad Nizar bin Jamaluddin Senior State Exco Perak State Assembly, YBhg. Datuk Ir. Ahmad 'Asri bin Abdul Hamid, Chief Executive of Construction Industry Development Board (CIDB) and YBhg. Dato' Fadillah Baharin, Director General of Standards Malaysia were conferred the AFEO Honorary Fellow.

IEM's nominees of those who have contributed in one way or another to the interest of the Institution and AFEO were conferred the Honorary Member 2019 namely:

Ir. Yau Ann Nian	- IEM Penang Branch Chairman
Ir. Ir. Teo Ki Yuee	- IEM Southern Branch Chairman
Ir. Sreedaran Raman	- IEM Melaka Branch Chairman
Ir. Haidel Heli	- IEM Sarawak Branch Chairman
Ir. Dr Oh Seong Por	- IEM Negeri Sembilan Branch Chairman
Ir. Richard Wong Chuen Fun	- IEM Highway and Transportation Technical Division Chairman
Ir. Choo Chee Ming	- IEM Environmental Engineering Technical Division Chairman
Ir. Raftah Mahfar	- Past Chairman IEM WES, Organising Chairman WiSET 2018
Ir. Bhuvendhraa Rudrusamy	- Past Chairman Electronic Engineering Technical Division and former Hon Secretary of IEM Penang Branch
YBhg. Datin Rusiah Mohamed	- MATRADE Director of Construction and Business Service Section

11.9 AER National Monitoring Committee (NMC)

IEM continues to host the Secretariat of the ASEAN Engineering Register (AER). The ASEAN Engineering Register Executive Committee continues to be based at IEM. YBhg. Dato' Ir. (Dr) Andy Seo Kian Haw was appointed as AER Head Commissioner and chaired monthly meetings to look into the affairs of the AER for the 10 countries. The Exco members were appointed as Ambassadors to each of the member organisations for purpose of liaison and reporting work at the Exco meetings. The IEM Country Registrar is Ir. Mohd Aman bin Idris while Ir. Dr Lee Yun Fook was appointed as his alternate.

The total membership of the various grades from IEM and TAM for the ASEAN Engineering Register in Malaysia is 3,027. The number of members registered by IEM for the grades of ASEAN Engineer (AE) and Associate ASEAN Engineer (AAE) is recorded at 2,671. The breakdown is indicated below:

Grade	AE	AAE	AET	AAET	AT	AAT
2018	648	1767	40	179	10	118
New admission	16	20	3	0	0	0
2019	664	1787	43	179	10	118
Deleted/Resigned/Deceased	211	9	1	3	1	1
Overall registered members	875	1796	44	182	11	119

Breakdown of members deleted, resigned and deceased were noted as follows:

Grade	Deleted	Resigned	Deceased
ASEAN Engineer (AE)	179	18	14
Associate ASEAN Engineer (AAE)	-	5	4
ASEAN Engineering Technologist (AET)	-	-	1
Associate ASEAN Engineering Technologist (AAET)	-	-	3
ASEAN Technician (AT)	-	-	1
Associate ASEAN Technician (AAT)	-	-	1
Total	179	23	24



11.10 International Engineering Alliance (IEA)

The International Alliance Meeting (IEAM 2019) was held in Hong Kong from 9 – 14 June 2019. IEM was represented by Ir. Prof Dr Norlida Buniyamin, Vice President and Chairman of the Standing Committee on Examinations & Qualifications as well as the IEM President, Ir. David Lai Kong Phooi. YBhg. Dato' Ir. Dr Gue See Sew, as the IPEA Chairman also attended the meeting. Both the IEM representatives also attended the "Train the Trainer Workshop for the Agreements on 12 June and 14 June 2019 respectively.

11.11 Asia Pacific Economic Cooperation and International Professional Engineers Registers (APEC/IntPE)

The Registration and Administration Sub Committee (R&A) of the National Monitoring Committee (NMC) of APEC/IntPE Economy in Malaysia is set up at the IEM chaired by YBhg. Dato' Ir. Dr Gue See Sew. The IEM representatives at the NMC are Ir. David Lai Kong Phooi and Ir. Ong Ching Loon. Representatives from the other two components of the NMC namely BEM and ACEM were invited to serve on the R&A Sub Committee of the IntPE/APEC.

The APEC/IntPE R & A Sub Committee at IEM works closely with the Standing Committee on Admissions and Practical Training to approve applications of members interested to join the register. The processing of applications from members for these Registers is under the purview of the Standing Committee on Admissions and Practical Training chaired by Ir. Mohd Aman bin Idris. IEM still continues to maintain the APEC/IntPE Registers in Malaysia.

To date, the total number of registered members for both registers were:

Total Members in 2018	606
Total Members registered in 2019	28
Total members registered to date (2019)	634
Less deleted, deceased, resigned	101

Record of deleted, deceased and resigned

Deceased	5
Deleted	85
Resigned	11
Total	101

The registers have a total of 634 members.

11.12 Federation of Engineering Institutions of Asia and the Pacific (FEIAP)

IEM continues as the FEIAP Secretariat for another 5 years from 2018 until 2023. Chinese Association of Science and Technology (CAST), Prof Huang Wei took over as the President on 30 June 2019. IEM once again named Ir. Dr Tan Yean Chin as the FEIAP Secretary General and head of the FEIAP Secretariat. The 27th FEIAP General Assembly and 5th FEIAP Convention was organized and hosted by China Association of Science and Technology (CAST) and Northwestern Polytechnical University (NwPU) from 28th – 30th June 2019 at Shangri-La Hotel in Xi'an, China. The conference theme was "Mutual Recognition of Engineering Education". The 5th FEIAP Convention was attended by approximately 500 participants. Academician Tan Sri Prof Dr Chuah Hean Teik was announced as the FEIAP Engineer of the Year 2019.

11.13 Federation of Engineering Institutions of Islamic Countries (FEIIC)

The IEM representative to FEIIC as appointed by the IEM Excomm are Ir. Mohd Aman bin Idris representing the IEM President, Ir. Mohd Khir Muhammad as IEM Hon Secretary and Ir. Prof. Dr Ruslan Hassan. Saudi Council of Engineers, continued as the current secretariat of the FEIIC.

IEM was represented by Ir. Mohd Khir at the General Assembly in Mecca, Saudi Arabia from 2nd to 6th November 2019. The President of the FEIIC is Dr. Jamil Jarallah Bagawi of Saudi Council of Engineers (SCE) while the Deputy President is Engr. Jawed Qureshi of Pakistan Engineering Council (PEC).

IEM's FEIIC National Monitoring Committee was formed as a Sub Committee of the Standing Committee on Corporate Affairs to monitor and coordinate activities organised between IEM and FEIIC. Ir. Mohd Aman bin Idris was appointed the Chairman of this Sub Committee.



11.14 World Federation of Engineering Organisations (WFEO)

Dr Gong Ke from CAST took over the presidency of WFEO from Dr Marlene Kanga at the General Assembly held on 24 November 2019 in Melbourne, Australia.

The IEM President and Hon Secretary were the official representatives of the IEM at the General Assembly. Academician Tan Sri Dato' Ir. Prof Dr Chuah Hean Teik received the conferment of the WFEO Excellence Award for Engineering Education for 2019.

11.15 Commonwealth Engineers Council (CEC)

The CEC had been operating as a virtual organisation working within WFEO. Matters concerning the Council were circulated via emails and letters. Commonwealth Engineers Council (CEC) is a professional body of the Commonwealth representing 45 engineering institutions in 44 countries across five continents. During the WFEO General Assembly in Melbourne in November, CEC held its first physical meeting in many years and it will be looking into revisions to its Constitution.

11.16 Asian Pacific Confederation of Chemical Engineers (APCChE) Director's Board Meeting and Congress

IEM will be hosting the 19th APCChE Congress in from 16-19 August 2021 at Renaissance Hotel, Kuala Lumpur. Ir. Prof Dr Dominic Foo being the representative of IEM at APCChE Board, was elected as the APCChE President from 2019 until 2021.

11.17 International Tunnelling Association (ITA)

Founded in 1974, International Tunnelling and Underground Space Association (ITA) has a membership of 78 Member Nations and 266 Corporate or individual Affiliate Members. The President is currently Jenny Yan Jinxiu and IEM is represented by Ir. Dr Ooi Teik Aun who is also an ITA Executive Council Member and concurrently the correspondent for WTC 2020. IEM, currently a member nation of ITA and will be hosting the World Tunnelling Congress 2020 from 15-21 May 2020 in Kuala Lumpur jointly with ITA. The event will be managed by IEM Training Sdn Bhd.

12 AWARDS COMMITTEE

12.1 Ir. David Lai Kong Phooi, the IEM President, chaired this Committee for the session 2019-2020. The Committee met 4 times in 2019 to discuss as well as evaluate the submissions for the various IEM awards as follows:

- Outstanding Engineering Achievement Award
- Award for Contribution to Engineering Profession in Malaysia
- Woman Engineer Award
- Young Engineer Award
- Engineering Hall of Fame
- Best Technical Papers Award

The list of winners for these awards are tabulated in the front pages of this Annual Report.

12.2 Other duties of the Awards Committee included identifying prominent and distinguished members who have contributed to the construction, engineering profession and nation for consideration to be nominated and conferred the following:

- IEM Honorary Membership
- AFEO Honorary Membership
- FEIAP Engineer of The Year

12.3 Besides the nomination of candidates, awards and conferment of titles, the Committee also submitted names and nominees for the Federal and State awards for Datukships and various other decorations.

The Committee also looked into other awards both locally and overseas that members of the Institution or outstanding projects could be encouraged to submit their credentials. Such awards include:

- WFEO Awards - Medal of Excellence
- ASEAN Outstanding Engineering Achievement Award
- CIDB MCIEA Awards
- Merdeka Award
- Malaysian Service Providers Confederation Award
- Society of Chemical Engineers, Japan Award



13 SPECIAL COMMITTEE ON AMENDMENTS TO CONSTITUTION AND BYLAWS

- 13.1 The amendments to the Constitution were presented for approval at the last AGM on 20 April 2019. Comments from the AGM were taken note and the Special Committee under the chairmanship of Ir. Lai Sze Ching had further refined the proposed amendments for presentation to the AGM on 18 April 2020.
- 13.2 The proposed amendments approved by the Council for presentation to the AGM are tabulated at the front pages of this Annual Report.

14 IEM EDUCATION FUND

- 14.1 The Board of Management of the IEM Education Fund continued to be chaired by the IEM President. This Committee meets once every three months to monitor the activities of the Fund and to consider scholarship to the needy students.

Similar to previous years, gold medals were awarded to the best final year engineering student of local institution of higher learning. For the year 2019, a total of 35 best engineering students from all the universities and institutions of higher learning in Malaysia who have collaboration with IEM were presented with the gold medal.

The IEM Book Prizes were also awarded to the best first year engineering student of all universities who had signed MOU's with IEM. A total of 3 students recommended from these IHLs were presented with the Book Prize at RM200 each.

Scholarships available for application were announced in the IEM official website regularly. For the year 2019, Mr Aidil Akmal bin Abdul Rahim from Universiti Malaysia Pahang was approved for the Tan Sri Datuk Chin Fung Kee Memorial Scholarship for the period 2020 – 2023. Announcement for the Ir. Thean Lip Thong Scholarship had also been announced.

The Board would like to record its sincere appreciation to all IEM members who donated generously to the IEM Education Fund.

14.2 IEM Student Sections

The Board now has 29 IEM Student Sections set up at various universities. The Board allocates a budget of RM1,000.00 each to the Student Sections for its annual activities.

These Student Sections are based at the following universities:

- 1) Universiti Multimedia – MMU (Melaka)
- 2) Universiti Teknologi Malaysia – UTM
- 3) Universiti Sains Malaysia – USM (Nibong Tebal, Pulau Pinang)
- 4) Universiti Teknologi MARA – UiTM (Shah Alam)
- 5) Universiti Teknologi MARA – UiTM (Pulau Pinang)
- 6) Universiti Tenaga Malaysia – UNITEN (Bangi)
- 7) Universiti Tunku Abdul Rahman – UTAR (KL)
- 8) Universiti Teknologi Petronas – UTP (Perak)
- 9) Universiti Malaysia Sabah – UMS (Sabah)
- 10) Universiti Malaysia Pahang – UMP (Pahang)
- 11) Universiti Tunku Abdul Rahman – UTAR (Kampar)
- 12) Universiti Tun Hussein Onn Malaysia – UTHM (Batu Pahat)
- 13) Curtin University – Curtin (Sarawak)
- 14) Universiti Malaysia Perlis (UniMAP)
- 15) Universiti Teknikal Malaysia Melaka (UTeM)
- 16) Universiti Malaysia Sarawak (UNIMAS)
- 17) Universiti College Sedaya International (UCSI)
- 18) Asia Pacific University of Technology and Innovation (APU)
- 19) Monash University Malaysia (MUKL)
- 20) Multimedia University – MMU (Cyberjaya)
- 21) Taylor's University – Lakeside Campus (Subang)
- 22) Swinburne University of Technology (Sarawak)
- 23) The University of Nottingham Malaysia
- 24) Nilai University
- 25) Manipal University
- 26) International Islamic University Malaysia
- 27) SEGi University
- 28) Tunku Abdul Rahman University College
- 29) MAHSA University



- 14.3 The Education Fund Management Board also continue to sponsor the Tan Sri Hj Yusoff Ibrahim FYP Competition in 2019. The winners for 2019 are as follows:

Winner	Discipline	Project Title
UCSI University	Mechatronics	Development of An Improved Particle Swarm Optimization Algorithm for Constrained Optimization
Consolation Prizes	Discipline	Project Title
Lee Wei Qin Curtin University (Miri)	Electrical Power	Cracks Identification in Building Structure
Heng Yen Fern University of Nottingham, Malaysia	Mechanical, Material & Manufacturing	Investigation of Jet mixing in Swirl Co-Flow
Tee Zhen Wei Tunku Abdul Rahman University College	Mechanical	Numerical Analysis On Vibro-Acoustic Characterisation of Honeycomb Structure with Flow Permeability
Tan Jun Yan Universiti Tunku Abdul Rahman	Mechanical	Study of Combined Effect of Concentrated Solar Power (CSP) and Phase Change Material (PCM) in Solar Desalination
Lee Chong Hoe Universiti Malaysia Pahang	Civil	Diversify of Stress Ranges in Cables of Cable-Stayed Bridge Due to Traffic Loads and Far-Field Seismic Excitation
Tay Sze Yee Heriot Watt University	Chemical	A Renewable Polysaccharide-Based Bio-sorbent Functionalised with Calcium Chloride for Removal of Azo Bye Methyl Orange

15 IEM POSITION PAPERS

- 15.1 The Coordinating Committee for Position Papers chaired by the Deputy President, Ir. Ong Ching Loon was entrusted to monitor and coordinate the progress of the Committees set up to prepare each position paper.
- 15.2 The Coordinating Committee continue to review the previously approved Position Papers to have them updated accordingly. The following Position Papers have been successfully updated:
- Position Paper on Benchmarking the Quality of Engineers
 - Position Paper on Water Quality and Cleanliness of Beaches

During the year 2019, the Position Paper on "Employment of Professional Engineers in Key Government Positions" by Public Sector Engineers Special Interest Group (PSESIG) was completed.

Three (3) other Position Papers are still in progress:

- Position Paper on 'Center of Excellence for Dam Engineering in Malaysia'
- Position Paper on 'Sea Level Rise'
- Position Paper on "Building Railway Engineering Capacity for the Future"

16 BRANCHES AND SECTIONS

16.1 Penang Branch

- 16.1.1 Ir. Yau Ann Nian was elected as the Branch Chairman for session 2018/2019. The total membership as at of 23rd Dec 2019, the Branch stands at 2,520 with 25 Fellows, 2 Senior Members, 574 Members, 4 Incorporated Members, 486 Graduate Members, 17 Companions, 3 Associate Members and 1,409 Student Members.

During the active 2018/2019 session, the IEM Penang Branch Committee together with the Young Engineers Section (YES) have organized numerous activities. School career talks and engineering career camp were also organized as awareness programmes for students for them to understand an engineering career. Seminars, courses, workshops and technical talks were also conducted solely aimed towards the success of Continuous Professional Development and Lifelong Learning Programmes.

A total of 242.5 CPD activities were carried out during this 2018/2019 session:-

- 02.11.2018 **IEM-PG 51st Annual Dinner**
About 1030 guests attended the Annual Dinner which was held at Equatorial Hotel.
- 08.11.2018 **Hot Water System Energy Efficiency & Operation Biological Risk**
Mr Tee Tone Vei is the speaker and there are 28 participants.
- 09.11.2018 **Technical Visit to Centre for Marine & Coastal Studies**
9 participants visited this Marine & Coastal Studies at Penang National Park, Teluk Bahang.



- 10.11.2018 **2018 Distinguished Engineer Legacy Lecture: Water supply sustainability for Pg towards 2050**
Dato' Ir Jaseni Maidinsa is the speaker for this Legacy Lecture. It was held at IEM Penang Secretariat and attended by 52 members.
- 14.11.2018 **Power System Solution for Mission Critical**
30 participants attended this Seminar which was held in IEM Penang Secretariat
- 15.11.2018 **Green Infrastructure for Sustainable Development Using Bio-engineering Approach**
The Talk was held at Bayview Hotel and attended by 43 members. Mr Steve Gan is the speaker.
- 18.11.2018 **IEM E-Finity Run 2018**
This event was held at UiTM, Penang with about 500 participants.
- 26.11.2018 **Today's Smart-Connected Security & Safety System**
The speaker is Mr. Adrian Tan and 20 members attended this Seminar.
- 03.12.2018 **Green Buildings and GBI Certification (by MBPP)**
There are 48 members attended this Seminar at SPICE Convention.
- 03 & 04.12.2018 **MyTRIZ Level 1 Practioner Workshop**
Dr. Yeap Gik Hong is the speaker for this Workshop which is held at KDU
- 06.12.2018 **InspireMe Talk: From an Engineer to IT Profession, Career Progression from the Most Basic to the Corporate World**
Mr. Lee See Nee is the speaker for this Talk which is held at KDU. 9 members attended.
- 08.12.2018 **Dialogue with USM Student Chapter**
35 participants attended the Dialogue. It was held at IEM Penang Secretariat.
- 05.1.2019 **Healthy Day - Bukit Tokun Hike**
21 members took part in this hiking at Bukit Tokun.
- 07.1.2019 **Technical Visit to SIRIM, Kulim (Industrial Center of Innovation)**
8 participants visited SIRIM in Kulim.
- 09.1.2019 **Courtesy Visit & Dialogue with JKR, Penang**
35 members visited JKR and have dialogue with the Pengarah JKR and their officers.
- 11.1.2019 **Half-Day Seminar on: Basement Waterproofing & Design of Structural strengthening using Carbon Fibre**
The seminal was held at IEM Penang Secretariat and there are 55 participants
- 11.1.2019 **SGM - Synchronize Account Closing with HQ**
31 members attended the SGM which was held at IEM Penang Secretariat.
- 12.1.2019 **Dialogue between IEM Penang Branch and eETD**
There are 9 members participated in this dialogue which is held in IEM Penang Secretariat.
- 17.1.2019 **Technical Talk on Inspection on Piled Foundation**
Dato' Ir. Dr. Goh Teik Cheong is the speaker for this talk. There are 36 participants.
- 19.1.2019 **YES Team Building**
There are 20 young engineers took part in the Team Building which was held at Tech Dome.
- 24.1.2019 **A new non-destructive method on detecting the corrosion agents (moisture & chloride) content and the corrosion reinforcement damage in marine reinforced concrete structures.**
The speaker is Mr Syahrul Fithry Bin Senin and attended by 11 members.
- 25.1.2019 **Mentors Workshop (Log Book Training Scheme)**
Ir. Dr. Mui Kai Yin is the facilitator and 18 members participated in this workshop.
- 27.1.2019 **eETD Talk with young Engineers from various Industries on PI/Admission Talk**
The Talk was held in IEM Penang Secretariat and attended by 25 young engineers.
- 29.1.2019 **InspireMe Talk :Software Development in Moore's Law Driven World**
The speaker is Dr. Kenny Puah and 5 members attended.
- 11.2.2019 **Tunneling in Urban Environments**
34 members attended this Talk in IEM Penang Secretariat and the speaker is Dr. Lee Siew Wei.



- 15.2.2019 **Talk on Wealth Management - From Will or Trust to Globalizing Investment & Consistent Passive Income**
Mr Alvin Poh is the speaker. Attended by 15 members.
- 15.2.2019 **Universal Design: From Principles to Practise In-Built Environment**
The seminar is held at Gurney Hotel and attended by 19 members.
- 15.2.2019 **Courtesy Visit to Chief Minister of Penang, YAB Tuan Chow Kon Yeow**
Chairman together with 12 executive committee paid a visit to Chief Minister of Penang.
- 16.2.2019 **CNY open house**
65 members came for the CNY 2019 celebration which was held in IEM Penang Secretariat.
- 16.2.2019 **CNY Charity Drive at Silver Jubilee Homes**
This Charity Drive was attended by Chairman and 12 members together with their families.
- 18.2.2019 **Penang Branch CNY Dinner by Chairman (Executive Committee & YES)**
This dinner is attended by 30 members from Executive Committee and YES.
- 25.2.2019 **Technical Visit to Smartrac Technology (M) Sdn Bhd**
17 members visited Smartract Technology (M) Sdn Bhd.
- 26.2.2019 **Courtesy Visit to Datuk Bandar, Dato' Ar. Yew Tung Seang**
Chairman and 7 executive committee members paid a visit to Datuk Bandar.
- 26.2.2019 **Types of Construction Contracts, the Three Main Parties in a Contract and their Roles & Responsibilities**
The speaker is Dato' Ir. Lim Kok Khong and 63 members attended this talk.
- 05.3.2019 **Innovative Technologies for sustainable Asphalt Pavements**
This seminar was held at IEM Penang Secretariat and attended by 83 members.
- 06.3.2019 **JPS Bengkel on ESCP**
This 2-day workshop is by JPS. It was held at IEM Penang Secretariat and there are 40 participants.
- 08.3.2019 **Technical Visit to Smart City & Traffic Control Centre**
50 members visited Smart City & Traffic Control Centre in MBPP, Komtar.
- 12.3.2019 –
18.3.2019 **Technical Visit to Tainan-Xiamen**
21 members participated this overseas technical visit.
- 16.3.2019 **eETD Engagement Session with young engineers**
Dr. Khor Jeen Ghee is the facilitator for this Engagement Session. Total of 45 young engineers attended.
- 21.3.2019 **Courtesy Visit to YBHG. Dato' Sr. Hj. Rozali Bin Hj. Mohamud, Yang DiPertua MPSP**
Chairman and 6 Executive Committee members visited YDP MPSP.
- 21.3.2019 **Simplex Building Safety Seminar**
Mr. Alan Ang is the speaker for this Seminar at Double Tree Resort. There are 50 participants.
- 22.3.2019 **Technical Visit to Penang Waste Transfer Station**
29 members visited Penang Waste Transfer Station at Lebuhraya Tun Dr. Lim Chong Eu, Penang.
- 22.3.2019 **Transforming Your Factory into Smart Factory: The Revolution of Industry 4.0**
17 members attended this talk which was held in IEM Penang Secretariat.
- 22.3.2019 **IEM Kelantan Annual Dinnner**
6 Committee members attended Kelantan branch Annual Dinner
- 23.3.2019 **Courtesy Visit to IEM Kelantan Branch**
6 Committee members paid a visit to IEM Kelantan Branch
- 29.3.2019 **52nd Annual General Meeting**
86 members attended 52nd AGM in IEM Penang Secretariat.
- 03.4.2019 **Career Talk @ USM, Penang**
This Career Talk were carried out by Ir. Paul Phor, Dato' Ir. Dr. Goh Teik Cheong and Ir. Dr. Leo Choe Peng.
- 05.4.2019 **Internet of Things (IoT): New Product Development Methodologies**
This talk was held at IEM Penang Secretariat by Mr. Lim Yew Kee and attended by 14 members.



- 11.4.2019 **Ground Improvement for Infrastructure & Reclamation Projects**
Dr. Leong Kam Wend is the speaker and 42 members attend this Talk .
- 11.4.2019 **Photovoltaic Mini Coloquium 2019**
This course was held at PSDC and attended by 14 members.
- 15.4.2019 **Dialogue with PAM, MIP & RISM**
A total of 24 participants from NGO attended this dialogue which was held in IEM Penang Secretariat
- 18.4.2019 **Hillside Landslide Hazards**
This talk is by Ir. Chan Yun Cheung. A total of 55 members attended.
- 20.4.2019 **IEM-HQ 60th Anniversary Dinner**
12 Committee members attended this event.
- 25.4.2019 **Professionalism & Integrity**
26 members attended this Talk and Dato' Ir. Tan Chong Meng is the speaker.
- 26.4.2019 **Professional Indemnity Insurance**
Ms Sum Wai Chee is the speaker and there are 15 members attended this half day Seminar.
- 27.4.2019 **Enhanced PI interview Training & Certification**
Ir. Chen Harn Sheng, Ir. Kim Kek Seong and Dr. Mui Kai Yin are the speakers for this workshop. Total of 24 members attended.
- 27.4.2019 **Route to MIEM/PE**
Ir. Chen Harn Sheng, Ir. Kim Kek Seong and Dr. Mui Kai Yin are the speakers for this workshop. Total of 31 young graduates attended the workshop.
- 29.4.2019 **IoT: Innovation & Management**
This Talk was by Mr. Teow Kar Chun and there are 15 participants.
- 02.5.2019 **InspireMe Talk: Opportunities and Challenges in Malaysia Semiconductor Industry**
This Talk was held at KDU Penang University by Dr. Lee Cheong Chee. 4 members participated.
- 03.5.2019 **Technical Visit to Smart City & Traffic Control Centre - MBPP**
27 members participated in this technical visit.
- 04.5.2019 **Technical Visit to API Precast Marketing Sdn Bhd**
27 members visited API Precast Marketing Sdn Bhd located at Bandar Amanjaya, Sg Petani, Kedah.
- 09.5.2019 **Development of CAE Applications: Past, Present & Future**
Mr. Chan Yin Chau is the speaker for this Talk and 10 members attended.
- 10.5.2019 **Half-Day Seminar on Modern Pile Testing Technology**
This Seminar was held at IEM Penang Secretariat. Total of 38 members attended.
- 13.5.2019 **Half-Day Seminar: Innovative Technology in Conveyance of Water & Sewerage - Oriented PVC pipes**
This Seminar is by Mr. Jason Lee Je Sen and attended by 34 members.
- 13.5.2019 **Talk on Common Heart Diseases**
Dr. Neoh Eu Rick is the speaker for this health talk. Total of 21 members attended the talk.
- 14.5.2019 **Guidelines & Standards in CAD Drawing for Design & Management of Engineering Projects**
The Talk is by Mr. Cédric Desbordes and are attended by 9 members.
- 16.5.2019 **Careet Talk at Chung Hwa Confusion School, Penang**
About 100 students attended the Career Talk by Mr. Cheah Sheng Hong and Mr. Khaw Yao Shun.
- 25.5.2019 **Talk-Industry4WRD: National Policy on Industry 4.0 - A Competitiveness Catalyst for Malaysia Manufacturing Sector**
The speaker is Ir. Dr. Tan Chee Fai and 7 members attended this talk.
- 14.6.2019 **Half-Day Seminar: BIM Strategic Understanding**
The Seminar is held at IEM Penang Secretariat and attended by 45 participants.
- 25.6.2019 **Half-Day Seminar: Safe Water Traps in High Rise Buildings.**
Mr. Erik Douma is the speaker of this Seminar. Total of 45 members attended.
- 27.6.2019 **Half Day Seminar on Centrifugal Pump**
This Seminar is held at St Giles, The Wembley Hotel and attended by 76 participants.



- 28.6.2019 **Understanding Fire Detection**
This seminar is held at IEM Penang Secretariat. Mr Daniel Low is the speaker and attended by 35 members.
- 30.6.2019 **Boulders Fence Design Competition**
- 01.7.2019 **Evening Talk: Don't Give Fire A Chance (Engineering Week)**
This Safety Talk is by Mr Darren Yee. 23 members attended.
- 04–06.7.2019 **Courtesy Visit by IEM Kelantan Branch & Dialogue**
Hosting IEM Kelantan delegates and dialogue at IEM Penang Secretariat. Total 17 members participated.
- 04–07.7.2019 **National Summit (YES)**
More than 100 graduates and students attended the Conference held at Summit Hotel.
- 04.7.2019 **Technical Visit to ViTrox Technologies S/B (Engineering Week, Natsum)**
About 80 participants visited this factory in Batu Kawan, Penang
- 05.7.2019 **Future Engineers Engagement Session (Engineering Week, NATSUM)**
Dato' Ir.Lim Kok Khong is the speaker for this career talk at Komtar, Auditorium A and attended by 250 participants of NATSUM.
- 05.7.2019 **Technical Visit to MBPP Smart City (Engineering Week, NATSUM)**
About 200 participants visited MBPP Smart City in Komtar.
- 06.7.2019 **Heritage Hunt (Engineering Week, NATSUM)**
This competition was held in Georgetown Heritage areas and took part by
- 11.7.2019 **1-day Course on Strutural Steel Design & Stability**
Dr. Mohd Hanim is the speaker and attended by 43 members.
- 14.7.2019 **YES AGM**
This meeting is held at IEM Secretariat and attended by 19 YES members
- 20.7.2019 **Pre-AGM Talk: "Why LED Light Flicker Affects Health and Well Being: Health at Risk"**.
The speaker for this talk is Mr. CT Siew. There are 32 participants.
- 20.7.2019 **eETD AGM**
36 members attended this AGM which is held at IEM Penang Secretariat.
- 21.7.2019 **Earthquake Sub-Committee meeting with Mayor Dato' Ar Yew Tung Seng**
6 Sub-Committee members attended this meeting at Mayor Office in Komtar.
- 22.7.2019 **Courtesy Visit to DCM(1) YB Dato' Ir. Ahmad Zakiyuddin B Abdul Rahman**
Chairman and 7 executive committee paid courtesy visit to Deputy Chief Minister.
- 22.7.2019 **Talk: Safe Driving: Prevention Not Reaction!**
This Talk is by Ir.Mohd Hafzi Md.Isa and attended by 14 members.
- 25.7.2019 **Tech Visit; Easy Pack & Aqusponic Science Park.**
29 members participated in this visit in Juru.
- 26.7.2019 **eETD Recruitment Drive**
This recruitment drive is carried by Ir Dr Khor Jeen Ghee with 14 participants.
- 01.8.2019 **Environmentally Sustainable Methods To Reduce Household Water Consumption**
Dr. Poh Phaik Eong is the speaker for this talk. There are 15 participants.
- 03.8.2019 **Charity Drive to Spastik Center, Penang.**
This Charity drive is carried out by 13 Executive committee & YES committee members.
- 06.8.2019 **Courtesy Visit to YB Zairil Johari (EXCO - KERJA RAYA, UTILITI &TEBATAN BANJIR)**
Chairman together with 5 executive committee paid a curtesy visit to YB Zairil Johari.
- 14.8.2019 **Seminar on Transport & Traffic Management**
This Seminar is held at Cititel Hotel and attended by 84 participants.
- 19.8.2019 **Technical visit to ViTrox Technologies Sdn Bhd**
24 members visited ViTrox Technologies Sdn Bhd in Batu Kawan.



- 23.8.2019 **Forum on Enhancing Site Supervision between PTAc(MBPP) & SPEAD Components**
This meeting is held in IEM Secretariat and attended by 48 attendees from IEM, PAM, MIP, RISM & REDHA
- 24.8.2019 **Awareness Talk on Professional Interview (PI) & Route to MIEM/Professional Engineers**
47 members attended this Workshop at IEM Penang Secretariat and Dr. Mui Kai Yin is the speaker.
- 30.8.2019 **IoT Smart Building**
Ir. Lim Yew Kee is the speaker and attended by 14 members.
- 05.9.2019 **USM Recruitment Drive**
This drive is carried out by Ir. Paul Phor Chi Wei and about 100 students participated.
- 20.9.2019 **An Overview on the Planning and Design of Sewage Treatment Plants, Process & Performance**
29 members attended this Talk at IEM Penang Secretariat. The speaker is Mr. Tan Seok Chye.
- 23.9.2019 **Geotechnical Engineering Seminar 2019**
This Seminar is held at Cititel Hotel and attended by 78 participants.
- 26.9.2019 **Meeting on Report of the State Commission of Inquiry (SCI) into the Work-Site Incident at Tg Bungah.**
50 members attended this meeting which is held at IEM Penang Secretariat.
- 04.10.2019 **Half-Day Seminar: Waterproofing Solutions for Substructure Works - The Way Forward**
This Seminar is attended by 34 members. Mr. Gary Tan is the speaker.
- 08/10.2019 **Principles of Reinforced Soil Wall Design and Construction**
Mr. Bryan Lee is the speaker and 33 members attended this talk.
- 12.10.2019 **Woman Engineers' gathering & brainstorming on recruitment and activities 2020**
This brainstorming is carried out by Ir Heng Lee Sun together with 10 woman engineers at Suffolk House.
- 17.10.2019 **Blood Donation Campaign with Penang Adventist Hospital & UiTM IEM Student Section**
This campaign is held at UiTM Pematand Pauh with 64 participants.
- 19.10.2019 **Half-Day Seminar: Automated Waste Collection System**
The speaker for this Seminar is Ir. Chea Tehan Teik. 37 members attended.
- 22.10.2019 **Seminar: The Importance of Surge Protection and Surge Protection for Railway Signaling**
Speakers for this seminar are Mr. Phillip Tomson & Mr. Rober Jordan and attended by 46 members.
- 15.11.2019 **52nd IEM Penang Annual Dinner**
This annual dinner is held at Equatorial Hotel with 103 tables.
- 16.11.2019 **Hosting IEM Branches delegates from Perak, Negeri Sembilan, Sabah, Johor & Sarawak and also YES delegates from Perak & Sarawak**
This gathering and dialogue is held at IEM Penang Secretariat with 30 members in attendance.
- 16.11.2019 **29th ANNUAL PROFESSOR CHIN FUNG KEE MEMORIAL LECTURE -Embracing Innovation & Technology in Landslide Prevention and Mitigation**
29 members attended this talk via live broadcast from Hilton PJ, Kristal Ballroom.
- 28.11.2019 **Technical Talk - The Recent Development of Urban Light Rail Transit**
The speaker is Ir. Chua Huat Yoo. Total of 36 members attended the talk.
- 30.11.2019 **Mentor Workshop - Log Book Training Scheme**
This workshop is held in IEM Secretariat with 25 attendees. Ir. Dr. Mui Kai Yin is the facilitator.
- 05.12.2019 **ASEAN Electrotechnical Symposium & Exhibition 2019**
This Symposium is held at Bayview Hotel with 118 participants. Various speakers from Asean Countries
- 07.12.2019 **Yearly Badminton Match with Authorities**
This friendly match is held at Complex Sukan MBPP, Relau. There are 64 participants and JPS is the winner.
- 12.12.2019 **Safety Promotion & Injury Prevention: Can Advocacy Change Fate?**
Prof. Dr. Krishnan is the speaker and attended by 29 members.
- 13.12.2019 **Half day Seminar: New Technologies for Sewerage Industry & Regulations by SPAN & DOE on Public and Private Sewage Treatment Plant**
This seminar is held in IEM Penang Secretariat and attended by 44 members.



13.12.2019 **Courtesy Visit to YB Dr Afif with Ir John Cheah of IEM(SB) Ad-Hoc Committee on Dengue Control**
Chairman and 3 IEM(SB) committee met up with Dato' Ir. Mohd Noh at YB Dr Afif's office.

16.2 Southern Branch

16.2.1 Ir. Teo Kiyuee, served as the Chairman for session 2019/2020. The total membership as of 31 December 2019 of the Southern Branch stands at 6297 with 54 Fellows, 1 Honorary Fellow, 5 Senior Member, 716 Members, 25 Companions, 722 Graduate Members, 1 Affiliate Member, 8 Incorporated Members, 2 Associate Member, and 4763 Student Members.

The following activities were conducted by the Southern Branch for the year 2019:

- 09.01.2019 A Half-Day Technical Visit to Geotechnical Laboratory of Geolab (M) Sdn. Bhd. at Taman Perling, Johor was organized by IEM (Southern Branch).
- 23.02.2019 Talk on **“Route to be MIEM/PEng”** and Professional Engineer in conjunction with Seminar Kejuruteraan Awam (SEMKA) Semester II, Session 2018/2019 at UTM Skudai.
- 02.03.2019 Half-day Talk on **“Infrared Thermography Technology for Industrial Applications”** by Mr. Maznan Ismon from Faculty of Mechanical and Manufacturing, UTHM at IEM (Southern Branch) Training Centre, Johor Bahru.
- 08.03.2019 Technical Visit to ABB's Innovation Centre, Singapore was organized by IEM (Southern Branch).
- 09.03.2019 Mountain Walk held at Gunung Banang, Batu Pahat, organised by YES IEM (Southern Branch).
- 12.03.2019 Half-day Seminar on **“BIM and Beyond: Digital Transition in Construction”** organized by IEM (Southern Branch) in collaboration with Prota Asia Sdn Bhd. at Double Tree by Hilton, Johor Bahru.
- 19.03.2019 Evening Talk on **“Shopping Mall: Design, Build, Operation & Maintenance of Mega Shopping Malls”** Jointly organised by IEM (Southern Branch) with IEM Mechanical Engineering Technical Division (METD) at IEM (Southern Branch) Training Centre, Johor Bahru.
- 19.03.2019 **IEM Outreach Programme 2019** organised by IEM-UTHM Student Section and Faculty of Mechanical and Manufacturing Engineering, UTHM.
- 21.03.2019 Technical Writing Workshop organised by IEM-UTHM Student Section.
- 30.03.2019 Talk on **“Waterproofing Solutions for Substructure Works – The Way Forward”** was organized by IEM (Southern Branch) in collaboration with MAPEI Malaysia Sdn. Bhd. The talk was held in conjunction with the 46th Annual General Meeting of IEM (Southern Branch) at The Trove Hotel, Johor Bahru.
- 30.03.2019 **The 46th Annual General Meeting (AGM) of The Institution of Engineers, Malaysia (Southern Branch)** was conducted at The Trove Hotel, Johor Bahru with an attendance of 146 members.
- 06.04.2019 Half-day Talk on **“Effect of Using Malaysian National Annex for Seismic Design and The Seismic Fragility of Buildings in Malaysia”** by Ir. Dr. Mohammadreza Vafaei, organized by IEM (Southern Branch) at IEM (Southern Branch) Training Centre, Johor Bahru.
- 13.04.2019 Half-day Talk on **“Lift Systems: Installation, Maintenance and Safety”** by Ir. Assoc. Prof. Yahaya Ramli at IEM (Southern Branch) Training Centre, Johor Bahru.
- 14.04.2019 Seeding Program - IEM Engineering Roadshow was organised by YES IEM (Southern Branch) and IEM-UTM Student Section at SMK Taman Sutera, Johor Bahru.
- 20.04.2019 CREATIV' RUN organised by IEM-UTHM Student Section.
- 20.04.2019 Paintball Game was held at Dynamic Paintball Field, UTM, organized by YES IEM (Southern Branch).
- 22.04.2019 –
23.04.2019 Two-days Seminar on **“Advanced Infrastructure Design Technology in Malaysia”** by MES Innovation, Co-organized with IEM (Southern Branch), River Engineering and Urban Drainage Research Centre and Universiti Sains Malaysia at Crystal Crown Hotel, Johor Bahru.
- 04.05.2019 Half-day Talk on **“Influence of Material Composition on Flame Spread Behaviour over Combustible Solid of Paper/Bagasse”** at IEM (Southern Branch) Training Centre, Johor Bahru.
- 25.05.2019 IEM-UTHM Student Section Annual Grand Dinner 2018/2019 organised by IEM-UTHM Student Section at Dewan Tunku Mahkota Ismail, UTHM.
- 26.05.2019 Courtesy visit to the Office of Ir. Haji Mohamad Salleh bin Abu Bakar, Director of JKR Johor.



- 26.05.2019 Courtesy visit to the Office of YB Mohd Solihan bin Badri, EXCO of Public Works, Infrastructure and Transportation Johor.
- 15.06.2019 Annual General Meeting of Young Engineer Section (YES) was held at IEM (Southern Branch) Training Centre, Johor Bahru.
- 26.06.2019 Evening Talk on **“Single Stack Drainage for High Rise Buildings”** at IEM (Southern Branch) Training Centre, Johor Bahru.
- 28.06.2019 IEM (Southern Branch) Hari Raya Aidilfitri 2019 Open House was held at The Trove Hotel, Johor Bahru.
- 29.06.2019 A Talk on **“Route to be MIEM and Professional Engineer”**. The talk was held at Country Garden Pacificview Sdn. Bhd. Forest City, Gelang Patah, Johor.
- 30.06.2019 Seeding Program - IEM Engineering Roadshow at SMK Taman Bukit Indah, organized by YES IEM (Southern Branch).
- 04.07.2019 – **YES National Summit 2019**. Seven representatives from YES and Seven Student Section of IEM (Southern Branch) participated in National Summit 2019 hosted by YES Penang held at Georgetown, Penang.
- 07.07.2019
- 09.07.2019 Half-day Talk on **“Trimble Construction BIM”** organized by IEM (Southern Branch) in collaboration with Trimble Solutions Malaysia Sdn. Bhd. at The Trove Hotel, Johor Bahru.
- 11.07.2019 Talk on **“Route to be MIEM and Professional Engineer”** was held at Pelabuhan Tanjung Pelepas (PTP) Sdn. Bhd. Gelang Patah, Johor.
- 13.07.2019 Half-day Seminar on **“MS IEC 62305 Series”** organized by IEM (Southern Branch) at IEM (Southern Branch) Training Centre, Johor Bahru.
- 20.07.2019 Half-day Talk on **“Innovative Technology in Conveyance of Water and Sewerage – Oriented PVC Pipes”** organized by IEM (Southern Branch) in collaboration with Molecor (SEA) Sdn. Bhd. at Thistle Hotel, Johor Bahru.
- 02.08.2019 Refresher Workshop for IEM (Southern Branch) PI Interviewers at IEM (Southern Branch) Training Centre, Johor Bahru.
- 03.08.2019 **“Route to become MIEM and Professional Engineer”** Workshop for IEM (Southern Branch) Graduate Members at IEM (Southern Branch) Training Centre, Johor Bahru.
- 04.08.2019 **Badminton Outing** was organized by YES IEM (Southern Branch) at Daiman Sport Complex, Taman Johor Jaya, Johor.
- 10.08.2019 Half-day Talk on **“5G Technology: State-of-the-Art”** by Assoc. Prof. Dr. Leow Chee Yen organized by IEM (Southern Branch) at IEM (Southern Branch) Training Centre, Johor Bahru.
- 13.08.2019 Courtesy visit to the Office of YAB Dato’ Dr. Sahrudin bin Jamal, Menteri Besar Johor.
- 17.08.2019 IEM (Southern Branch) Annual Dinner and Awards Night 2019 was held at Holiday Villa Hotel, Johor Bahru
- 22.08.2019 Participated in 16th Career Path Seminar Program 2019 organised by Johor Master Builders Association (JMBA) at Pei Hwa High School, Muar (Sungai Mati). The program was aimed to provide information and introduction to building industry among students.
- 24.08.2019 1-Day Seminar on **“IEC 61439 A Low-Voltage Switchgear and Control Gear Assembly”** & **“Type Test Certificate Design Verification Assessment”** organized by IEM (Southern Branch) in collaboration with Kejuruteraan Powerwell Sdn. Bhd. at The Grand Paragon Hotel, Johor Bahru.
- 31.08.2019 Hiking to Bukit Botak, Yong Peng, Johor organized by YES IEM (Southern Branch).
- 11.09.2019 – **Conference of AFEO (CAFEO 37)** held at Jakarta-Indonesia. The Branch Chairman, Ir. Teo Kiyuee and one representative from YES IEM (Southern Branch) participated in CAFEO 37/YAFEO held at Jakarta-Indonesia.
- 14.09.2019
- 15.09.2019 Seeding Program - IEM Engineering Roadshow was organized by YES IEM (Southern Branch) at SMK Taman Pelangi, Johor Bahru.
- 19.09.2019 Half-Day Tekla Tedds Workshop organised by YES IEM (Southern Branch) and Trimble Solutions Malaysia Sdn Bhd was held at Southkey, Johor Bahru.



- 16 & 17.09.2019 Membership Recruitment Drive was held at Universiti Teknologi Malaysia (UTM), Skudai.
- 25.09.2019 Half-Day Technical Visit to SPT Services Sdn. Bhd. in RAPID, Pengerang, Johor was organized by IEM (Southern Branch).
- 25.09.2019 Talk on “Route to be MIEM and Professional Engineer”. The talk was held at SPT Services Sdn. Bhd. RAPID Pengerang, Johor.
- 12.10.2019 Half-day Talk on “Durable Corrosion-Proof System for Non-Absorptive and Impermeable Concrete Properties” organized by IEM (Southern Branch) in collaboration with Cementaid Sdn Bhd at The Trove Hotel, Johor Bahru.
- 12.10.2019 Talk on “Route to be MIEM and Professional Engineer” in conjunction with *Seminar Kejuruteraan Awam (SEMKA)* Semester I, Session 2019/2020 at UTM Skudai.
- 19.10.2019 Technical Visit to SPC Industries Sdn. Bhd, Ulu Choh, Johor was organized by IEM (Southern Branch).
- 06.11.2019 One-day Seminar on “Best Maintenance Practices in LV Switchgear” organized by IEM (Southern Branch) in collaboration with Total Industrial Solutions Sdn Bhd at IEM (Southern Branch) Training Centre, Johor Bahru.
- 09.11.2019 IEM (Southern Branch) Sports Day 2019 – Basketball Tournament held at Tiara Sports World, Johor Bahru.
- 16.11.2019 Half-day Talk on “Hybrid Liquid Desiccant System and Chimney Micro-Plant for Simultaneous Production of Fresh Water and Electricity” by Assoc. Prof. Dr. Ahmad Jais Alimin at IEM (Southern Branch) Training Centre, Johor Bahru.
- 16.11.2019 IEM (Southern Branch) Deepavali Open House 2019 was held at Johor Cultural Sports Club (JCSC), Johor Bahru.
- 21.11.2019 **The Inter-Professional Golf Tournament.** The golf tournament was hosted by Johor BAR Council, held at the Ponderosa Golf & Country Resort.
- 07.12.2019 Half-day Talk on “Managing Troubled Project: A Key Competency To Survive Challenging Project Environment” & “Learning Transfer: What Can You Do To Maximize Performance Improvement After Project Management Training?” by Major Dr. Prebagaran Jayaraman at IEM (Southern Branch) Training Centre, Johor Bahru.

16.3 Sabah Branch

- 16.3.1 A total of 11 Executive Committee meetings were held during the session. A numerous luncheon and afternoon meetings involving key office bearers were also held to resolve urgent matters from time to time.
- 16.3.2 Ir. Ng Yun Ping was elected as Branch Chairman for the session 2019/2020. This was announced during the branch’s 45th Annual General Meeting on 26th October 2019. Total membership stood at 1,962.
- 16.3.3 During the session of 2018/2019, 8 courtesy calls were made to government agencies, Ministries and other professional bodies:
- Courtesy Call on DBKK Director General, Datuk Ir. Hj Amrullah Kamal on 27th February 2019
 - Courtesy Call to Sabah State Secretary Office on 14th May 2019
 - Courtesy Call on YBhg Datuk Haji Nordin Siman, The New DBKK Mayor on 17th May 2019
 - Courtesy Call to Consulate General of The People’s Republic of China on 22nd May 2019
 - Courtesy Call to JKR Sabah on 8th August 2019
 - Courtesy Call to CIDB Sabah on 9th August 2019
 - Courtesy Call to Jabatan Air Sabah on 9th August 2019
 - Courtesy Call on Penampang new District Officer, Mr. Henry Idol on 16th August 2019.
- 16.3.4 The Branch collaborated with Sabah Engineers Association (SEA) and ACEM Sabah in organizing the Technical and Study Tours as below;
- **IEM-ACEM 5D4N Technical Study and Tour “Jakarta & Bandung, Indonesia”**
The branch had jointly organized the 5D4N Technical Study and Tour “Jakarta & Bandung, Indonesia from 23rd January to 27th January 2019. The tour was joined by 22 participants consisted of ACEM and IEM members, JKR Sabah and DID Sabah.
 - **SEA-IEM-ACEM Technical and Study Tour “Hong Kong”**
This Technical and Study Tour “Hong Kong” was held from 9th September to 13th September 2019. The 2-parts study tour was joined by 26 participants.



- 16.3.5 A total of 72 Professional Interview applications were processed. These consisted of 29 from civil, 7 from mechanical, 33 from electrical, 2 from electronic and 1 from mechatronic. To date, 21 applications are still in progress, 73 applications were referred back to HQ.
- 16.3.6 Mr. Jackson Wong Siaw Jye served as the YES Chairman of the Branch for session 2018/2019. The YES had been active throughout the session by undertaking noble and meaningful activities. The activities completed during the session included:
- Organized Half Day Seminar on “Introduction to Bridge Engineering: Loading, Bridge Behaviour and Design” on 29th September 2018. Speaker for the seminar was Ir. Low Hin Foo.
 - “IEM Sabah Engineer’s Run 2.0” on 28th October 2018.
 - Short movie making “Engineers Assemble” for IEM Sabah Branch 42nd Annual Dinner.
 - “Career Talk” at University UMS during visitation from UNIMAS student chapter Kuching on 25th March 2019.
 - “Wetland Cleaning” at Bird of Sanctuary Likas on 14th April 2019.
 - “IEM/YES National Summit” hosted by Penang Branch on 4th to 7th July 2019.
 - “Membership Drive” at PETRONAS Operational Excellence (OE) Day on 6th September 2019,
 - 3 delegates from YES Sabah Branch attended “YEAFFO 2019” at Jakarta, Indonesia.
 - Attended “DBKK’s 1st Youth Engagement 2019” hosted by DBKK on 1st October 2019.
 - Attended UMS Student Chapter AGM and also did “Membership Drive” during the AGM on 1st October 2019.
 - “Karnival Stem Program” at Semporna District on 12th October 2019.
 - “Blood Donation Campaign” collaborated with ACEM on 13th October 2019.
- 16.3.7 The 15th IPBG Games will be hosted by Sabah Law Society (SLS) in 2020. IEM Sabah who was champion at the 14th IPBG 2018, hope to retain as the reigning champion again. The Games is arranged among the 7 professions over 10 sports.
- Next IPBG games will be organised by Sabah Law Society (SLS) in 2020.
- Overall Standings IPBG 2018 (12th May 2018)
- | | | | |
|-------------|-------------|--------------|-------------|
| 1. IEM (62) | 2. MIA (45) | 3. RISM (43) | 4. PAM (42) |
| 5. MMA (37) | 6. SLS (37) | 7. SPS (24) | |
- 16.3.8 The Technical Visit Committee had successfully organized six technical visits namely:
- IEM-WE Half-Day Technical Visit to SESB 275/132kV Kimanis Main Intake Substation and Technical Talk on Operation & Maintenance of the Substation on 30th March 2019
 - Half Day Technical Visit to “Sabah Air Aviation” on 30th April 2019
 - IEM-WE Visit to Projek Kabel Dasar Laut TM on 22nd May 2019
 - Half Day Visit to Sabah Ports Sdn Bhd on 15th June 2019
 - Visit to TONIBUNG/CREATE on 21st June 2019
 - The Excursion / Study Trip to Melangkap Mandahatan Guest House, Kota Belud on 26th September 2019, in conjunction with the Sabah World Rivers Day 2019 International Conference and Exhibition.
- 16.3.9 During the session, the Seminar and Trainings sub-committee had also collaborated with other organisations in organising various courses and talks.
- 16.3.10 Activities undertaken by the UMS Liaison Sub Committee included:
- MOU with IEM is now ready for signing by the Vice Chancellor, IEM President and IEM Sabah Branch Chairman.
 - Visit from IEM student Chapter of UNIMAS and MIRI IEM Student Chapter on 24-26 March 2019.
 - IEM-YES Career Talk 2019 on 25 March 2019
- 16.3.11 The Branch Annual Dinner 2018 was held on 24th November 2018 at the Grand Ballroom, Magellan Sutera Harbour Resort, Kota Kinabalu. A total of 95 tables were sold. The theme was “Engineers Assemble”. The guest of honour was YAB Datuk Seri Panglima Haji Mohd Shafie bin Haji Apdal, the Chief Minister of Sabah, represented by YB Kenny Chua Teck Ho, Assistant Minister to the Minister of Finance Sabah.
- 16.3.12 The Building at KKIP is currently occupied by TAS Institute of Oil and Gas as a training centre. The tenant had built additional 2 storeys of classroom block and basic offshore safety induction training facilities at their own cost.
- 16.3.13 Among the activities undertaken by the Women Engineers (WE) were:
- WE gathering and planning of 2019 activities was conducted on 18th January 2019.
 - Attended the Edge Talk by YB Puan Yeo Bee Yin, Minister of MESTECC at Magellan Sutera Harbour on 18th January 2019.
 - Courtesy call to SESB’s Managing Director, Ir. Abdul Nasser bin Abdul Wahid on 22nd March 2019 with the objective to introduce IEM Sabah Women Engineers, and to discuss how best to collaborate with SESB to support the involvement of women Engineers in leadership role.
 - Technical visit to SESB 275/132kV Main Intake Substation (PMU) Kimanis on 30th March 2019. Technical talk was also presented by Ir. Felix Ho, the Transmission Chief Engineer for Southern Region during the visit.
 - Attended IEM Sarawak Annual Dinner at Imperial Hotel, Kuching on 3rd August 2019
 - Attended the 2nd Women in Engineering Conference at Hotel Renaissance, Kuala Lumpur on 20th & 21st August 2019.
 - IEM (Sabah) Women Engineer (WE) Annual General Meeting (AGM) was held at Space8 KK, Aeropod on 9th November.



16.3.14 IEM Sabah had participated in numerous meetings and events with governmental and non-governmental organisations. These meetings were intended to assist in the development of the State and which is able to ensure engineers and the engineering profession plays an important role in nation building. Among the meetings included:

i. **DBKK**

- Traffic Technical Sub-Committee Meeting.
- Kumpulan Fokus Urusan Permit Pembinaan (Focus Group Dealing with Construction Permits) bagi DBKK dibawah Program "1 State 1 DCP Champion".
- Sesi Perbincangan Cadangan Menaiktaraf/Menyelenggara Kawasan Persisiran Pantai Teluk Likas, Kota Kinabalu
- Bengkel 10 Projek Kota Kinabalu Green City Action Plan (KK-GCAP) di bawah Program "BIMP-EAGA Green Cities Initiative in Kota Kinabalu, Sabah"
- Mesyuarat Membincangkan Persediaan Forum "Smart Cities and Green Cities" bil 1/2019
- Mesyuarat Membincangkan Persediaan Forum "Smart Cities and Green Cities" Bil. 2/2019
- Mesyuarat Membincangkan Persediaan "Borneo Green City International Convention"

ii. **Drainage and Irrigation Department, Sabah**

Sabah World Rivers Day 2019 International Conference and Exhibition Organising Committee meetings.

iii. **Majlis Daerah Penampang**

Mesyuarat Jawatankuasa Peredaran Lalulintas Bil - 02/2019.

iv. **JKR Sabah**

Kota Kinabalu Traffic Study Phase II (2016-2040) (Kota Kinabalu Urban Transport and Traffic Plan)

v. **Construction Industry Development Board (CIDB)**

- Malam Pembinaan CIDB Bersama Industri 2018
- Majlis Pelancaran MSCESMM (MS2701:2018)

vi. **Ministry of Local Government & Housing (MLGH)**

- Mesyuarat Semakan Deraf undang-Undang Kecil (Bangunan) Seragam 2019
- Bengkel Penentuan Harga Rumah Mampu Milik Negeri Sabah

vii. **Malaysian Productivity Corporation (MPC)**

- Program Malaysia Productivity Blueprint (MPB) Nexus - Kursus Pengurusan Fasiliti Dalam Aspek Kejuruteraan & Pengenalan BIM (Building Information Modelling) - Siri 1
- MPC (Malaysia Productivity Corporation) Seminar on "Amalan Baik Peraturan (GRP) Wilayah Sabah

viii. **SEDA**

- Sesi Perbincangan Kumpulan Fokus (Focus Group Discussion (FGD)) bagi Pembangunan National Low Carbon Cities Masterplan & Policy Roadmap

ix. **PETRONAS**

- Career Talk on PETRONAS Kupu-Kupu Insight with IEM Sabah: Route to Become a Professional Engineer
- IEM Sabah Membership Drive at PETRONAS Operational Excellence (OE) Day

16.4 **Sarawak Branch**

16.4.1 Ir. Haidel Heli was re-elected as Branch Chairman for session 2019/2020.

The membership of the Branch for year 2019 was 4,172 with 36 Fellow Member, 2 Senior Member, 775 Corporate Member, 713 Graduate Member, 3 Associate Member, 13 Companion Member, 5 Incorporated Member and 2,625 Student Member.

16.4.2 The Branch held its 51st Annual General Meeting on 3rd August 2019 at Lecture Theatre, Swinburne University of Technology Sarawak Campus and a total 249 members attended the meeting.

16.4.3 During the session, Eight (8) Branch Committee Meeting and Ten (10) Graduate & Student Section Committee monthly meeting were held to look into the management and activities.

16.4.4 In the period of January 2019 to December 2019, there were Forty-Nine (49) IEM Professional Engineers Interview (PI) candidates recorded interviewed and to sit for interview at IEM (Sarawak Branch). From this number, Thirty-Seven (37) candidates are successfully interviewed; Twenty-Three (23) candidates are in progress to interview; and Two (2) candidates returned/to be return to IEM HQ due to poor response from the candidates.

16.4.5 The IEM (Sarawak Branch) together with the Graduate & Student (G&S) Section reported that during the session, it had actively organized the following activities:

26.07.2019 **IEM (Sarawak Branch) Graduate & Student Section AGM 2019**



- 03.08.2019 **51th Annual General Meeting of The Institution of Engineers, Malaysia (Sarawak Branch)**
- 03.08.2019 **IEM Sarawak Branch Annual Dinner 2019**
Theme: "Sarawak Engineers: United We Build"
- 10.08.2019 **IEM Sarawak Branch Engineer's Run 2019**
(Co-organised with IEM Sarawak Branch G&S Section)
- 05.10.2019 **IEM Sarawak Branch Appreciation Dinner**
- 03.05.2019 **Half-Day Technical visit To Longi Kuching (2.5 CPD)**
(Co-organised with IEM Miri Branch)
- 02.08.2019 **Technical Visit to DUN Sarawak with IEM Miri Branch**
- 23.11.2019 **Technical Visit to "Almalgated Battery MFG (ABM)" (3.5 CPD)**
(Co-organised with IEM Sarawak Branch G&S Section)
- 22.01.2019 **One-Day Seminar on "Disinfection System in Water Treatment Plant" (6.5 CPD)**
Co-Organised with IEM (Sarawak Branch) G&S Section and GRUNDFOS Pumps Sdn. Bhd.
- 28–29.01.2019 **2 - Day Seminar on Water and Wastewater: Design Priciples and Practice (6 CPD)**
- 19–20.2.2019 **BEM Engineering Management Practice (12 PDP)**
(Co-Organised with IEM Training Centre Sdn Bhd)
- 04–07.03.2019 **4-Day Project Management Certification Course: PMP® Boot Camp (30 CPD)**
(Co-organised with Career Growth Sdn Bhd)
- 29.04.2019 **Half-Day Talk on Introduction to Bridge Engineering: Loading, Bridge Behavior, Modeling and Design (3.5 CPD)**
- 09.05.2019 **Half - Day Talk on Innovative Technology In Conveyance Of Water And Sewerage - Oriented PVC Pipes (2.5 CPD)**
(Co-organized with Molecor Sea Sdn Bhd)
- 13–16.05.2019 **4 days Project Management Certification Course: PMP® Boot Camp (30 CPD)**
(Co-organised with Career Growth Sdn Bhd)
- 22.05.2019 **Evening Talk on Fallacies of seismic design in Malaysia(2 CPD)**
(Co-organised with Swinburne University of Technology, Sarawak Campus)
- 18–19.06.2019 **BEM Safety and Health at Work (12 PDP)**
(Co-Organised with IEM TC)
- 18–19.06.2019 **2 - Day Seminar on Construction Industry Payment and Adjudication Act (CIPAA 2012) Issues and Recent Developments (14 CPD)**
- 19.06.2019 **Evening Talk on Challenges of a Design and Product Development Engineer (2 CPD)**
(Co-organised with Swinburne University of Technology, Sarawak Campus)
- 20.06.2019 **Half-Day Seminar on Medium Voltage Gas Insulated Switchgear (3.5 CPD)**
(Co-organised with TAMCO)
- 20.06.2019 **Seminar on Innovation for Smart City (2.5 CPD)**
(Co-Organized with Kentrical Sdn Bhd & Charoenchai Transformer Co., LTD)
- 24.06.2019 **SF6 Gas Awareness Talk (5.5 CPD)**
(Co-Organised with IEM Sarawak Branch G&S Section)
Speaker: Ir. Gangatharan Sreedharan
- 28.06.2019 **Half-Day Talk on Fire Alarm compact conventional Panel (Easizon) and Addressable UK Panel (Context Plus) (3 CPD)**
(Co-Organized with Gateway Marketing Sdn Bhd)
- 28.06.2019 **Talk on Introduction to Clean Agent System - Inert Gas (Inerex) and HFC227ea (Chemori) System (2.5 CPD)**
(Co-Organized with Gateway Marketing Sdn Bhd)



- 01–02.07.2019 **2-Day Symposium on Earthquake Resistant Design of RC Buildings Based on The EC8 Malaysia NA: From Loading Characterisation to RC Detailing (12 CPD)**
(Organized and hosted by IEM SB & Swinburne University of Technology, Sarawak Campus)
- 09.07.2019 **1-Day Seminar on New Standard Lightning Protection MS IEC 62305 (7 CPD)**
(Co-organized with Molecor Sea Sdn Bhd)
- 10–11.07.2019 **Project Management Foundation & Practices “The Essential Skill to Ensure Project Success!” (13 CPD)**
- 17.07.2019 **Evening Talk on Design of Modular Stormwater Tank Using Stormwater Management Model (SWMM) (2 CPD)**
(Co-organised with Swinburne University of Technology, Sarawak Campus)
- 30.07.2019 –
02.08.2019 **4 days Project Management Certification Course: PMP® Boot Camp (30 CPD)**
Co-organised with Career Growth Sdn Bhd
- 03.08.2019 **Technical Talk on Technical Talk on How to Safe your Troubled Projects in conjunction with AGM (2 CPD)**
- 03.08.2019 **Technical Talks in-conjunction with IEM SB Engineering Expo 2019:**
- a) **Available and Existing Renewable Energy System (Single/Hybrid) in Malaysia**
(2 CPD, Speaker - Dr. Hadi Nabipour Afrouzi),
 - b) **Sewerage Management in Sarawak**
(2 CPD, Speaker - Pn. Annastesia Sulastri binti Salleh),
 - c) **Stormwater Issues: The Prospects of Intergrated River Basin Management**
(2 CPD, Speaker - Ir. Jamesy Mijek),
 - d) **Deliver Project Result with PMI PMBOK Guide - A Practical & Systematic Approach**
(2 CPD, speaker - Ir. Dr. Mui Kai Yin),
 - e) **Data Centres - Past, Present and Future**
(2 CPD, speaker - Ir. Yau Chau Fong), &
 - f) **Development of Sustainable Composites Reinforced with Locally Available Natural Fibres**
(2 CPD, speaker - Dr. Elammaran Jayamani)
- 04.08.2019 **Technical Talks in-conjunction with IEM SB Engineering Expo 2019**
- a) **High Strength Woven Geotextiles and Prefabricated Vertical Drains (PVDs) for Soft Ground Improvement – Essential Product Knowledge and Experience**
(1.5 CPD, Speaker - Ir. Marcus Jong Ching Joo),
 - b) **Stabilization geotextile – an environmentally friendlier alternative to the traditional geotextiles + bamboo/timber fascine mattresses solution for road construction over soft soils**
(1 CPD, Speaker - Mr. Wee Shin Hoe),
 - c) **Innovative Solutions in Urban Stormwater Management**
(1 CPD, Speaker - Dr. Charles Bong Hin Joo),
 - d) **STEM Initiative in Malaysia to usher industry 4.0**
(2 CPD, Speaker - Prof Ir. Dr Andrew Ragai Henry Rigit),
 - e) **Fundamental of Concrete Repair, Protection Technology, Joint Treatment and Waterproofing**
(1 CPD, Speaker - Mr. Cayden Tan Chia Hui)
 - f) **OSH Journey; JKR Sarawak Experience**
(1 CPD, Speaker - Ir. Sim Hui Kheng, Stephanie & Mr. Kiew Siaw Hong),
 - g) **Innovation**
 - h) **I o T**
 - i) **Remote**
 - j) **Application**
 - k) **Guideline**



- 09.08.2019 **Half-Day Talk on The Importance of Surge Protection (3.5 CPD)**
- 21.08.2019 **Evening Talk on Guidelines for Construction on Peat and Organic Soils in Malaysia (2 CPD)**
(Co-organised with Swinburne University of Technology, Sarawak Campus)
- 22.08.2019 **Workshop on Task Force to Review the Proposed Revision of Multiplying factors of Consultancy Services payment in Sarawak (7 CPD)**
(Co-organised with Ministry of Infrastructure Development and Transportation & JKR Sarawak)
- 28–29.08.2019 **UNIMAS STEM ENCON 2019**
(Co-Organised with UNIMAS)
- a) **Technical Workshop 1 - Design of Grid Connected Solar Photovoltaic System**
(3.5 CPD, Speaker - Ir. Hazrul bin Mohamed Basri)
- b) **Technical Workshop 2 - Internet of Things (IoT): Concept, Benefits and System Design for Local Ecosystem**
(3.5 CPD, Speaker - Dr. Hushairi Bin Zen)
- c) **International UNIMAS STEM 12th Engineering Conference 2019 (Main Conference)**
(6 CPD)
- d) **Technical Visit to Kuching-Serian Road Interchange for PAN Borneo Project**
(3 CPD)
- 18.09.2019 **Evening Talk on Can I Trust This Construction Material Testing Report? (2 CPD)**
(Co-organised with Swinburne University of Technology, Sarawak Campus)
- 24.09.2019 **Time planning & Delay Management in Schedule (7 CPD)**
(Co-organised with UNIMAS Business School)
- 19–20.09.2019 **Course on Erosion and Sediment Control Plan (ESCP) (14 CPD)**
(Co-organised with IEM Academy Sdn Bhd)
- 03.10.2019 **Performance Evaluation for Concrete to concrete Connection - From Qualification to Design (6 CPD)**
(Co-organized with Hilti (M) Sdn Bhd)
- 14–17.10.2019 **4 days Project Management Certification Course: PMP® Boot Camp (30 CPD)**
(Co-organised with Career Growth Sdn Bhd)
- 15–16.10.2019 **BEM Code of Ethics/Regulations (12 PDP)**
(Co-organised with IEM TC)
- 16.10.2019 **Evening Talk on Sustainable Materials and Manufacturing (2 CPD)**
(Co-organised with Swinburne University of Technology, Sarawak Campus)
- 17.10.2019 **Seminar on ASEAN Electrical Installation for Special Locations - Bath & Shower (4 CPD)**
(Co-organised with IEM Electrical Engineering Technical Division, IEM and supported by The ASEAN Engineering Inspectorate-Electrical Installation (AEI-EI) National Working Group)
- 21–22.10.2019 **2-day Course on Malaysian Civil Engineering Standard Method of Measurement (MyCESMM2) (13.5 CPD)**
(Co-organised with Sub Committee on Engineering Contracts, under PPC, IEM)
- 31.10.2019 –
01.11.2019 **2-Day Overview of Low Voltage Electrical Engineering from PI to PCE Part B: Electrical Requirements (13 CPD)**
(Co-organised with EETD, IEM & IEM Sarawak Branch G&S Section)
- 07.11.2019 **One Day Seminar on Best Maintenance Practices in LV Switchgear (6.5 CPD)**
(Co-organised with L&T & IEM Sarawak Branch G&S Section)
- 20.11.2019 **Evening Talk on Industrial Internet-of-Things: A Step towards Industry 4.0 Adoption (2 CPD)**
(Co-organised with Swinburne University of Technology, Sarawak Campus)
- 02–05.12.2019 **4 days Project Management Certification Course: PMP® Boot Camp (30 CPD)**
(Co-organised with Career Growth Sdn Bhd)
- 03.12.2019 **CSTR HSE Management Workshop 1/2019 (6.5 CPD)**
(Co-organised with JKR Sarawak & OPUS Consultants (M) Sdn Bhd)



- 16.12.2019 **Half-Day Talk on "Introduction on the Current Development in Stay Cable System and Future Requirement in FIB Bulletin 89 on Stay Cable System" (3.5 CPD)**
(Co-Organised with BBR Construction System (M) Sdn Bhd)
- 18.12.2019 **Evening Talk on Renewable Energy Development in Malaysia (2 CPD)**
(Co-organised with Swinburne University of Technology, Sarawak Campus)
- 04–07.07.2019 **Participated in NATSUM 2019**
- 06.04.2019 **Beach Clean-up with Beach Cleaners, Sarawak Eco-Warriors and Wildlife Conservation Society**
- 30.11.2019 **Pink & Teal Empowher/IEM Sarawak Outreach Programme**
- 14.12.2019 **Beach Clean-Up with Kuching Beach Cleaners, Sarawak Eco-Warriors and Wildlife Conservation Society**
- 27.01.2019 **Career Talk to Faculty of Engineering student, UNIMAS "Preparation before Graduated"**
- 04.05.2019 **Awareness Talk and PI Workshop On Outcome-Based Competence Assessment (3 PDP)**
(Fully organized by IEM SB)
- 30.10.2019 **Career Talk @ Swinburne Career Development Conference**
- 26.10.2019 **Introduction to Professional Engineer Interview**
The Institution of Engineers, Malaysia (IEM) Sarawak Branch was invited to give a talk on "Introduction to Professional Interview (PI)" in Swinburne University of Technology Sarawak Campus on 26th October 2019.
- 27.11.2019 **Career Talk at International College of Technology Advanced Sarawak (iCATS), Kuching**
IEM Sarawak Branch's Hon. Secretary, Ir Stephanie Sim Hui Kheng gave a talk on 'Route to Become a Professional Engineer' to the students at International College of Technology Advanced Sarawak (iCATS), Kuching, Sarawak.
- 03–11.08.2019 **IEM Sarawak Branch Engineering Week 2019**
- 03–04.08.2019 **IEM Sarawak Branch Engineering Expo 2019**
- 08.08.2019 **Engineering Week - STEM Programme (Arduino) at SK Rakyat**
- 10.08.2019 **IEM Sarawak Branch Engineer's Run 2019 (As at 6.2.3.)**
- 16.5 **Perak Branch**
- 16.5.1 Ir. Simon Yeong Chin Chow was elected Branch Chairman for session 2019/2020. As at January 2020, the membership of the Branch was 3,849 with 1 Honorary Fellow, 22 Fellow Membership, 2 Senior Members, 447 Corporate Members, 541 Graduate Members, 18 Incorporated Members, 2 Associate Members, 2 Affiliate Members, 7 Companion Members and 2,609 Student Members.
- During the session 2019/2020, eleven (11) monthly committee meetings were held to look into the management and activities of the Branch.
- 16.5.2 There were twenty-nine (29) candidates assigned to the Branch for their Professional Interview (PI).
- 16.5.3 The Branch conducted the following activities for the session:
- 12.01.2019 Awareness Talk & PI Workshop – Route to MIEM.(CPD – 5 hrs)
- 24.01.2019 Teleconferencing on "Talk on Engineering Challenges & Opportunity in South East Asia Infrastructure Project". (CPD – 2 hrs)
- 23.02.2019 Talk On "Malaysia as World Leader in Promotes Sustainable Bridge Technology" (CPD – 2 hrs)
- 16.03.2019 Talk On Basic Accounting in Business. (CPD – 2 hrs)
- 16.03.2019 35th Annual General Meeting
- 25.03.2019 Teleconferencing on "Technical Talk on Factories & Machinery (Exemption of Certificate of Fitness for Unfired Pressure Vessel)" (CPD – 2 hrs)
- 27.03.2019 Teleconferencing on "Technical Talk on The Application of Ground Improvement to Ecevations in Various Urban Projects: Design Concepts & Numerical". (CPD – 2 hrs)



- 08–09.04.2019 MES Seminar (CPD – 16hrs)
- 10.04.2019 Teleconferencing on “Technical Talk on the Advent of 5G: Are We Ready for it?” CPD – 2 hrs)
- 25.04.2019 Teleconferencing on “Technical Talk on Finite Element Analysis of a Deep Excavation in Kenny Hill Formation with consideration of Small Strain Stiffness” (CPD – 2 hrs)
- 29.06.2019 Video Conferencing on “Technical Talk On TMDL Approach in River Water Quality Improvement – A Case Study” (CPD – 2 hrs)
- 02.07.2019 Video Conferencing on “Technical Talk On Blast Resistant Materials : Concrete & Glass” (CPD – 2 hrs)
- 13.07.2019 Video Conferencing on “Engineering Competency Development IEM Mentor/Mentees 2nd Workshop” (CPD – 3.5 hrs)
- 17.07.2019 STEM Challenge 2019 Competition
- 08.08.2019 Video Conferencing on “Technical Talk on Insights from Reliability Design to Complement Eurocode 7 Design Approach
- 17.08.2019 Video Conferencing on “Pre AGM Talk Project & Engineering Asset Maintenance Management” (CPD – 2 hrs)
- 23.08.2019 Technical Visit to Camfil Malaysia S/B (CPD – 3 hrs)
- 15–16.10.2019 Joint Venture with JKR - Seminar on Construction Management Moving Forward
- 25.10.2019 Site Technical visit to Papan Sewerage Water Treatment Plant. (CPD-3.5hr)
- 23.11.2019 Technical Talk on Effect of Music on Human Brain Using Electroencephalography. (CPD – 4.0 hrs)
- 14.12.2019 ½ day seminar on ASEAN Electrical Installation for Special Locations – Bath & Shower. (CPD – 4hrs)
- 19.12.2019 ½ day Talk on Principles of Reinforced Soil Wall Design & Construction By Maccaferri (M) Sdn Bhd
- 16.6 Melaka Branch**
- 16.6.1 Ir. Sreedaran continued as Chairman of the Branch at the 31st Annual General Meeting which was held on 30 March 2019 at Temasek Hotel. The Branch membership was noted at 1,677. There are 9 Fellows, 1 Senior Member, 205 Members, 9 Companions, 257 Graduate Members, 2 Incorporated Members, 1 Associate Member and 1,193 Student Members registered as at 31 January 2020.
- 16.6.2 The Branch Committee conducted a total of 12 Committee meetings for the year 2019. The meetings were conducted as and when required, to discuss events or activities. For the year 2019/2020, the Branch conducted the following activities with total of 60.5CPD hours allocated:-
- 04.01.2019 Forum & Visit To “SAMB Gallery” attended by 20 members
- 23.02.2019 One Day IEM Enhanced Professional Interview by Ir. Chen Harn Shean and Ir. Fam Yew Hin attended by 14 participants.
- 30.03.2019 Talk on “Internet of Things (IoT) To Enhance Organizational Performance” by Ir. Assoc. Prof. Dr. Puvanasvaran A/L A. Perumal and Dr. Siva Kumar Subramaniam. 7 participants attended.
- 30.03.2019 Pre AGM Talk On “National Water Balance Management System (NAWABS) : Decision Management Support System” by Ir. Dr. Asnor Muizan Bin Ishak. 30 participants attended the talk.
- 12.04.2019 Technical Visit To “Sika Kimia Sdn. Bhd.” & “ICP Factory Nilai” attended by 27 participants
- 22.06.2019 Seminar on Type of Tile Adhesive Under En Standard & Type of Waterproofing by Ms Teresa Lim attended by 55 participants
- 28–29.06.2019 Sambutan Hari Belia Negeri Melaka 2019
- 04.07.2019 Courtesy Visit to the office of the Mayor, Majlis Bandaraya Melaka Bersejarah
- 01.08.2019 Seminar on Mineral Fibre Reinforcement Technology by Mr Per Cato Standal attended by 36 participants
- 16.08.2019 Technical Visit to “Project Melaka – 2,242 MW CCGT Power Plant” attended by 23 participants



- 23.08.2019 CSR Programme – Dengue Awareness Programme and Gotong Royong in Bemban. 15 members participated in this programme in collaboration with Melaka Rotary Clubs and the State Government.
- 23.08.2019 IEM President meeting with Melaka Branch
- 24.08.2019 Seminar on “Zero” Energy Saving Plan by Mr Ong Hang Peng. 25 participants attended the seminar held at Temasek Hotel, Melaka
- 30.09.2019 Talk on Factories and Machinery (Exemption of Certificate of Fitness for Unfired Pressure Vessels) Order 2017 by Ir. Ts Mohd Fairuz bin Mohd Rashid. 17 participants attended.
- 12.10.2019 Talk on Renewable Energy Project Solar P.V 0.9526MW by Ir. Vellan V. Perumal attended by 36 participants
- 21.10.2019 Technical Visit to Tiles Introduction, Tiles Technical Briefing & Production Flow attended by 24 participants
- 2.11.2019 Seminar on STARKEN – Lighter & Greener Building System Solutions present by Mr Asbar Sanusi and attended by 35 participants
- 16.11.2019 Seminar on MELCAT & The Limitation (Amendment) Act 2018 – Effect on Engineers by YB Damian Yeo Shen Li and Ir. PE Chong. 39 participants attended the seminar at Temasek Hotel.
- 20.11.2019 Seminar on Introductory of Electrical Circuit and Electrical Protection System by Mr Dahari Mat Siran attended by 31 participants.
- 21–24.11.2019 Technical Visit to Kota Kinabalu, Sabah. 11 members participated in this trip
- 11.12.2019 Technical Visit to Xinyi Energy Smart (Malaysia) Sdn. Bhd attended by 15 participants

16.6.3 The Branch actively represented IEM at various organisations and government agencies as follows:

- i. Mesyuarat Jawatankuasa Teknikal Lalu Lintas & Pengangkutan represented by : Dato' Ir. Mohamed Salleh Bin Yunos
- ii. Conservation Committee represented by : Ir. Ooi Kah Huat
- iii. Disciplinary Board for Bar Council, Melaka represented by : Ir. Tan B. B.
- iv. MOU between MBMB & IEM + MPHTJ & IEM represented by : Ir. Ooi Kah Huat.
- v. IEM Melaka PPC Sub Committee
Chair by: Ir. Nur Fazil Noor Mohamed
- vi. Mesyuarat Jawatankuasa Perkhidmatan & Keindahan Bandaraya Teknologi Hijau represented by Ir. Sreedaran Raman

16.7 Negeri Sembilan Branch

16.7.1 The Chairman of the Branch is Ir. Dr. Oh Seong Por.

16.7.2 The Branch membership was noted at 2,047. There are 13 Fellows, 304 Members, 14 Companions, 350 Graduate Members, 8 Incorporated Members, 1 Affiliate Member and 1,357 Student Members registered as at 31 January 2020.

16.7.3 During the year the Branch also conducted Professional Interviews. These were summary for the year 2019/2020:

No.	Discipline	Pass	Fail	Total
1	Civil	15	1	16
2	Electrical	3	0	3
3	Mechanical	5	0	5
	Total Candidate(s)	23	1	24

16.7.4 The Branch activities for the session are listed below:

- 19.01.2019 Dialogue for Graduate Members – Interviewer Expectation For The Candidate During The Interview conducted by Ir. Tiong Ngo Pu, Ir. Dr. Oh Seong Por and Ir. Mohd Azlan. The dialogue was attended by 21 Graduate Members.



- 19.01.2019 Meeting with Top Management of IJM Seremban 2
- 21.01.2019 Technical Visit to Stanley Engineered Fastening attended by 18 participants.
- 16.03.2019 Technical Talk on Sustainable Development by Ir. Dr Oh Seong Por attended by 30 participants.
- 29.03.2019 Technical Visit to IWK- RSTP Kuala Sawah. 47 participants attended the visit led by Ir. Dr Oh Seong Por and Mr Hafizal Awang.
- 17.04.2019 Talk for Electronic Engineering Students of USIM, Nilai on Route to Become a Professional Engineer & Benefits of Joining IEM by Ir. Dr Oh Seong Por attended by 60 students.
- 02.05.2019 Technical Visit to KLIA 2, Sepang attended by 44 participants.
- 07.05.2019 1st IEM STEM Talk at SMJK Chan Wa, Temiang by Ir. Chua Yaw ong attended by 120 participants
- 19.06.2019 2nd IEMNS STEM Education at SMJK Chan Wa II, Taman Bukit Galena by Ir. Dr Oh Seong Por, Ir. Chua Yaw Long and Ir. Chong Chee Yen attended by 80 students
- 07.10.2019 Dialogue with Young Engineers of Tuanku Ja'afar Power Station, PD on Route to PE by Ir. Dr Oh Seong Por attended by 10 participants.
- 07.10.2019 Technical Visit to Tuanku Jaafar Power Station, Port Dickson attended by 54 participants.
- 16.10.2019 Dialogue with lecturers of UTM on Route to PE by Ir. Dr Oh Seong Por and Ir. Dr Nor Azizi. 16 lecturers attended the dialogue.
- 20.11.2019 Half Day Short Course: Infrastructure Design - Drainage System Vol. 1.0 by Ir. Chee Shai Choon attended by 6 participants.
- 06.12.2019 Technical Visit to Favelle Favco Cranes, Senawang attended by 25 participants.
- 06.12.2019 Majlis Perundingan Bersama Profesional Peringkat Jabatan Bomba & Penyelamat N. Sembilan. IEM NS was represented by Ir. Tiong Ngo Pu and Ir. Azizi Ahamad.
- 14.12.2019 Program Klik Untuk Keselamatan Komuniti at Palm Mall. IEM NS was represented by Ir. Dr. Oh Seong Por, Ir. Hazlin Harun and Ir. Chong Chee Yen.
- 16.8 **Miri Branch**
- 16.8.1 Ir. Prof Dr Lau Hieng Ho was re-elected as the Chairman for session 2019/2020 at the 20th AGM on 2 March 2019. Membership of the Branch as at January 2020 was 487 members. The members included 14 Fellows, 78 Members, 5 Companions, 147 Graduate Members, 1 Incorporated Member, 1 Affiliate Member, 1 Associate Member and 240 Student Members.
- 16.8.2 **The Branch Committee**
- IEM Miri Branch has renewed its tenancy agreement with the landlord Concorde Enterprise (EM) Sendirian Berhad for another 3 years. With the introduction of new IEM Logo, new signboard was installed for the office on 26 September 2017.
- 16.8.3 **Professional Interview**
- A total of two (2) members were interviewed in 2019 both in the Electronic discipline for admission as Corporate Member of the Institution
- 16.8.4 **Fellowship and Community Outreach**
- IEM Miri Branch outreach programme included the yearly Engineer Your Career talk for secondary school students organised by YES and Engineering Week at Curtin University by IEM Miri Student Section. As part of IEM Miri's community engagement program, YES organised a visit to old folks on 25 May 2019 to engage engineer with local communities in need.
- The Branch also had a lunch dialogue session with IEM Deputy President Ir. Ong Ching Loon on 17 November 2019 soon after the official opening ceremony of the new office.
- IEM Miri Branch received a courtesy call from Dato' Ir. Ahmad Murad and Ir. Lee, followed by a dialogue session with the Committee Members to foster closer collaboration and to organise talks and trainings in Miri.



16.8.5 Courses and Seminars

One of the major event held for this year was the 2nd International Conference on Materials Technology & Energy on 6th-8th November 2019 at Curtin University Malaysia. The conference was a jointly organised by IEM Miri Branch jointly with IMM Miri Chapter and Curtin University Malaysia.

A summary of the activities organized by the Branch for the session is presented below:

Date	Event	Description
2nd March 2019	Meeting	20th Annual General Meeting for IEM Miri Branch at Mega Hotel, Miri.
12th April 2019	Recruitment Drive	Professional Engineers Talk At Bekenu
13th April 2019	Outreach	Chairman Dr Lau representative IEM Miri Branch attended Soon Hup Management AGM
20th April 2019	Outreach	Chairman Dr Lau attended IEM HQ 60th AGM cum Annual Dinner at Sunway resort Hotel KL
27th April 2019	Outreach	Chairman Dr Lau attended Curtin Awards Ceremony
27th April 2019	Outreach	IEM Miri Branch Relocated to Soon Hup Tower
3rd - 5th May 2019	Technical Visit	3D2N Technical Visit to Kuching Sarawak
3rd May 2019	Technical Visit	Technical visit to LonGi Kuching
4th May 2019	Technical Visit	Technical visit to Sarawak Museum Campus
18th May 2019	Technical Course/ Seminar	Engineer Your Career(EYC) 2018 by Young Engineer Section(YES) Miri
25th May 2019	Outreach	Young Engineers Section (YES) visit Old folks home
14th June 2019	Technical Visit	Technical visit to Gamuda IBS Sepang
15th June 2019	Technical Visit	Technical visit to Durio Farm Karak, Pahang
29th June 2019	Technical Visit	Technical Visit to Septic Sludge Treatment Plant, Miri
4th - 7th July 2019	Conference	Young Engineer Section (YES) National Summit Miri 2019 at Penang
26th July 2019	Outreach	Dr Harris from METD IEM courtesy call cum dialogue with IEM Miri Branch
27th July 2019	Outreach	Dato' Ir. Ahmad Murad and Ir. Lee courtesy call cum dialogue with IEM Miri Branch
3rd August 2019	Outreach	Chairman Dr Lau and 6 Excomm attended IEM
7th Sept 2019	Outreach	IEM Miri Branch Soft Opening with new signage installation
7th Sept 2019	Outreach	Mooncake Festival Pot Luck gathering
7th Sept 2019	Courtesy Visit	Courtesy Visit cum Invitation to YB Dato' Sebastian Ting Chiew Yew to grace our Official Opening Ceremony of The IEM, Miri Branch New Office on 17th November 2019
11th - 14th Sept 2019	Conference	YES participation of Cafeo 37 in Indonesia
27th Sept 2019	Courtesy Visit	Courtesy Visit cum Invitation to YB Datuk Lee Kim Shin as our Guest of Honours to officiate the opening of The IEM, Miri Branch New Office
12th Oct 2019	Outreach	IEM YES Visit Miri Old-Folks Home At Krokop
16th Oct 2019	Recruitment Drive	Membership Recruitment At Petronas
18th Oct 2019	Outreach	IEM President courtesy call with IEM Miri Branch
6th - 8th Nov 2019	Conference	2nd International Conference on Materials Technology & Energy
15th Nov 2019	Outreach	Chairman Dr Lau attended IEM Penang Branch annual dinner
17th Nov 2019	Outreach	Official opening of The IEM Miri Branch New Office
17th Nov 2019	Outreach	Dialogue with Deputy President Ir. Ong Ching Loon
23rd Nov 2019	Outreach	Chairman Dr Lau attended IEM Sabah Branch annual dinner
25th Nov 2019	Conference	Civil Engineering Research Conference (CERC2019S2)
27th Nov 2019	Technical Visit	Technical Visit Petronas Miri Crude Oil Terminal (MCOT)
27th Nov 2019	Conference	IEM represent to attend National Symposium on marine Technology at Pullman Hotel



5th Dec 2019	Conference	CIDB BIM Proficiency Training: BIM Concept and Theory
6th - 7th Dec 2019	Conference	1st Borneo Building Information Modelling (BIM) Symposium
26th Jan 2020	Social event	Chinese New Year Visit to YB Datuk Lee Kim Shin and YB Dato' Sebastian Ting House
30th Jan 2020	Social event	Chinese New Year Visit to Datuk Goh Open House
1st Feb 2020	Social Event	Chinese New Year Visit to Dr Lau Chairman House
8th Feb 2020	Courtesy Visit	Courtesy Visit to Sarawak Oil Palm
14th Feb 2020	Courtesy Visit	Courtesy Visit cum to Miri Bomba cum extend our invitation to Miri Bomba's Chief Tuan Law to IEM Miri Branch Annual Dinner.
22nd January 2020	Outreach	Executive Committee Appreciation Dinner

16.9 Kedah/Perlis Branch

16.9.1 Ir. Abdullah bin Othman chaired the Branch Committee for session 2019/2020. Membership of the Branch for the session is 2,727 comprising 9 Fellows, 302 Members, 306 Graduate Members, 13 Companions, 5 Incorporated Members and 2,092 Student Members.

16.9.2 Activities and Projects

The Branch organized the following activities for the session 2019:

- 28.02.2019 Briefing on Enhance Professional Interview (Outcome Based Competence Assessment) (PI). 7 participants attended the briefing by Ir. Dr. Mohamad Shaiful Ashrul Ishak.
- 28.03.2019 Workshop on Coaching for Professional Interviews to Become Corporate Member (MIEM) Guidelines and Assessment of Professional Interview (PI/PEA) by Ir. Dr. Mohamad Shaiful Ashrul Ishak. 14 participants attended the workshop.
- 25.04.2019 Half Day Seminar On Concrete Repair Ir. Hj. Zaini Bin Abdul Rahman attended by 21 participants.
- 02.05.2019 Technical Talk on Road and Slope Stabilization by PMC by Mr Francis Huang. 39 participants attended the talk.
- 14.07.2019 Technical Visit to Skim Pemindahan Air Jeniang Fasa 1, Kedah. 40 participants attended the visit.

16.9.3 Profession Interview

Statistics listed below:

Discipline	Pending Interview	Interview in Progress
Civil	2	7
Electrical	10	11

16.10 Terengganu Branch

16.10.1 Ir Abdullah Zawawi Bin Mohamad Noor was elected as Chairman for session 2019/2020 at the special general Meeting held on 27th february 2019 at The Regency Waterfront Hotel. 34 members attended the SGM. Membership of the Branch for the session is 1,776 comprising 5 Fellows, 159 Members, 142 Graduate Members, 4 Companions, 1 Associate Member and 1,465 Student Members.

- 27.2.2019 Special General Meeting held at The Regency Waterfront Hotel
Technical Talk at Polytechnic Sultan Zainal Abidin Dungun Terengganu conducted by Y.Bhg Dato' Ir Wan Nazari Wan Jusoh and attended by 50 students.
- 16.4.2019 Career Guidance Talk at sekolah Menengah Teknik Terengganu.
- 29.4.2019 Courtesy visit to Terengganu Menteri Besar Office.
- 02.5.2019 Technical Visit to Kuala Terengganu Drawbridge
- 02.5.2019 Hi Tea session with IEM Member was held at Sumai Hotel and Apartment Kuala Terengganu.
- 23.6.2019 Sambutan Hari Raya at Primula Hotel
- 30.6.2019 Seminar on Structural & Frontier Material Engineering.



- 15.8.2019 Seminar on i. Vibration monitoring on building due to construction activity
ii. Silent Piling Technology.
- 03.9.2019 Seminar on MyCEMM
- 29.10.2019 Electrical competency certificate course was held at Kerteh Golf club.
- 21.11.2019 Water Treatment Technology – Water treatment plant management session 1 presented by Ir Abdul Aziz Abdullah (EXCOM IEM TERENGGANU)
- 11.12.2019 Water Treatment Technology – Water treatment plant management session 2 presented by Ir Abdul Aziz Abdullah (EXCOM IEM TERENGGANU)
- 23.12.2019 Visit to Darul Falah Orphanage at Bukit Payung Terengganu and contributed 2 nos of washing machines.
- 16.11 Kelantan Branch**
- 16.11.1 Ir. Abrizan bin Ab Kadir was re-elected as the Chairman of the Branch for Session 2019/2020. The membership of the Branch is currently 2,122 members comprising 4 Fellows, 1 Senior Member, 147 Members, 134 Graduate Members, 1 Incorporated Member, 2 Companions, 1 Associate Member and 1,832 Student Members.
- 16.11.2 During the session, six (6) committee meetings were held to discuss and manage the affairs of the IEM Kelantan Branch.
- 16.11.3 The following activities were held during the 2019 session :-
- 18.02.2019 Technical Visit To Kota Bharu – Kuala Krai Expressway attended by 39 participants.
- 19.03.2019 Talk on The Power of Management by Ir. Abrizan bin Ab Kadir, Ir. Hj Shaipuddin Bin Shapii and Ir. Mohamad Zaki bin Mat. 12 participants attended the talk.
- 19–20.03.2019 Industrial Talks To Polytechnic Students attended by 1,100 students.
- 22.03.2019 7th Annual General Meeting of the Branch held at Dewan Puspanita JKR Kelantan followed by Annual Dinner in the evening.
- 23.04.2019 Technical Visit to Elevated T-Junction Construction Project on Railroad Tanah Merah Town, Kelantan. 22 participants joined the visit.
- 29.04.2019 Engineering Competency Development: IEM Mentor/Mentees Workshop by Ir Hj Abrizan bin Abd Kadir, Ir. Hj Mohd Zaidi bin Che Mod and Ir. Rosmee bin Abd Rahman. 20 participants attended the workshop.
- 23.06.2019 A course on Pengukuhan Kewangan Syarikat Milikan Tunggal Dan Perkongsian by Mr Zamri Yahya attended by 26 participants.
- 04–06.07.2019 Technical Visit to Penang and Dialogue with IEM Penang Branch. 20 members joined the visit and dialogue.
- 22.07.2019 Technical Visit to Solar Farm Pasir Mas
- 28.07.2019 Awareness Talk & PI Workshop on Enhanced PI
- 18.08.2019 Dialogue with Lecturers of Kolej Kemahiran Tinggi Mara, Pasir Mas
- 22–23.08.2019 Pameran Hari Terbuka JKR Kelantan
- 25.08.2019 Course on: Fundamental of Site Investigation
- 04.09.2019 Courtesy Visit to Jabatan Keselamatan dan Kesihatan Pekerjaan Negeri Kelantan
- 09.09.2019 Course on Introduction to Building Information Modelling (BIM)
- 09.10.2019 Route to PE
- 30.10.2019 Course Administration: Variation Order and Payment
- 21.11.2019 Technical Visit to Terengganu Drawbridge and Dialogue with IEM Terengganu Branch
- 18–19.12.2019 Course on Creating Project CPM (Critical Path Method) with Microsoft Project 2010 for Beginner and Intermediate User
- 22.12.2019 Technical Visit to VCI IBS Sdn. Bhd



16.11.4 Professional Interview

There were twenty-four (24) candidates assigned to the Branch for their Professional Interview (PI).

16.12 Pahang Branch

16.12.1 Ir. Ahmad Kamal bin Kunji was elected as the new Chairman on 21 December 2018 at the 7th Annual General Meeting held at Zenith Hotel, Kuantan. Membership of the Branch is currently 1,905 comprising 5 Fellows, 1 Senior Member, 154 Members, 234 Graduate Members, 1 Incorporated Member, 2 Companions, 1 Affiliate Member, 2 Associate Members and 1,505 Student Members

16.12.2 The following activities were held during the 2019/2020 session:

03.03.2019 **Workshop on Construction Drawing**
The workshop was delivered by Ir. Ahmad Kamal Kunji at Universiti Malaysia Pahang, Gambang. It was attended by UMP's students.

14.04.2019 **IEM Pahang Engineer's Run 2019**
The event was organized by IEM-UMP Student Section at Universiti Malaysia Pahang, Pekan. It was joined by UMP's students.

03.07.2019 **Technical Visit/Knowledge Sharing Design & Installations of Long Span Steel Trusses**
The technical visit was organized by IEM Pahang collaboration with Jabatan Kerja Raya Pahang. It was held at Pusat Pentadbiran Sultan Ahmad Shah (PPSAS), KOTASAS, Kuantan, and was attended by 60 participants

21.09.2019 **Talk on Career Guidance at School**
The talk was delivered by Lim Chun Shen at Sekolah Berasrama Penuh Integrasi (SBPI), Kuantan. It was attended by SBPI's students.

25.09.2019 **One Day Seminar on Steel Design – EC3**
The seminar was delivered by Prof. Ir. Dr. Hanim Osman from Universiti Teknologi Malaysia, Skudai at The Zenith Hotel, Kuantan. It was attended by 35 participants.

26.09.2019 **Talk on IEM Introductory & Membership Drive**
The talk was delivered by Ir. Ahmad Kamal Kunji at Kolej Poly-Tech MARA, Jengka. It was attended by KPTM's students

27.11.2019 **One Day Seminar On Learning Mistakes For Improvement: A Geotechnical Engineering Perspective**
The seminar was delivered by Prof. Ir. Dr. Ramli Nazir from Universiti Teknologi Malaysia, Skudai at The Zenith Hotel, Kuantan. It was attended by 40 participants.

21.12.2019 **Annual General Meeting (8th AGM)**
The 8th AGM of IEM Pahang Branch was held at Tenaga Nasional Berhad, Kuantan. It was attended by IEM Corporate Members & Young Engineer Section (YES) & IEM-UMP Student Section

16.13 Young Engineers Section

16.13.1 Dr. Yew Weng Kean Grad.IEM was re-elected as the Chairman of Young Engineers Section for session 2019/2020 on 23 June 2019 at the IEM YES 49th Annual General Meeting.

16.13.2 Membership

The membership of the Section now stands at 40,586 members. The comparative figures for the last 4 years are as follows:

Grade	2016	2017	2018	2019
Graduate	9735	8932	8901	9346
Student	19,650	22,748	26,053	31,240
Total	29,385	31,680	34,954	40,586

16.13.3 Activities

The 49th Annual General Meeting was held on 23 June 2019 at Monash University, Subang Jaya at 11am. A total of 31 members attended this meeting.

16.13.4 Professional Development Portfolio

23.01.2019 Technical Visit to Top Glove Factory 9 with UTAR student section participation



- 24.04.2019 IEM YES Half Day Seminar on Home Electrical Safety to IEC 60364 with 207 Participants at Sheraton Hotel PJ
- 17.06.2019 Green Technology Talk by YES Chairman Dr. Yew Weng Kean at Wisma IEM with 40 participants
- 23.06.2019 Pre-AGM Talk: The Role of Young Engineers in facing IR4.0 by Pn. Hazami Habi at Monash University with 31 participants
- 28.06.2019 Professional Practice & Challenges for Young Engineers by First Admiral Dato' Ir Ahmad Murad B Omar AT UNITEN with 300 participants
- 09.07.2019 IEM YES & Malaysian Productivity Council (MPC) Focus group IKG BIM Conference together with JKR and CIDB, officiated by YB Tian Chua. at PJ Hilton Hotel with 150 participants

16.13.5 Social and Community Portfolio

YES has monthly sport sessions with the student sections, we have played badminton, bowling, futsal, gokart and at the same time mingle and network with the students.

- 13.01.2019 IEM YES Inter-Uni Sport Carnival 2019 in collaboration with 4 student sections UNITEN, APU, Nottingham and UTAR with 200 participants joining the Futsal, badminton and basketball competition.
- 26.01.2019 Balai Ikhtisas Malaysia (BIM) Tree Planting Program at Stesen Penyelidikan FRIM Bidor with 20 participants
- 27.02.2019 YES Chinese New Year Open House at Bangunan Ingenieur IEM.
- 04-24.08.2019 IEM Engineering Week. YES supported the IEM Engineering Week which hosted the Engineering Run and STEM competition. Engineering Run was held at Setia City Convention Centre on 4th August 2019 with 1400 participants. IEM STEM Competition 2019 was held at Universiti Malaya on 24 August 2019 with participation of 7 schools from Klang Valley.
- 20.06.2019 IEM Hari Raya Open House at Wisma IEM.
- 29.09.2019 IEM Family Day. YES also supported the IEM Family Day at TARUC on 29 September 2019 in the games section and program. YES led the cardio and was in charge for the event emcee.
- 01-03.11.2019 KLESF Science Fair 2019. YES has volunteered in the KLESF Science fair 2019 on 1-3 November 2019 at the Mines International Exhibition Convention Centre (MIECC). We have made 370 kinetic cars to kids to promote STEM.

16.13.6 Publicity Portfolio

IEM YES has continued to promote and update their upcoming activities, seminar, workshop, event & etc. using social media platforms such as WhatsApp, Facebook page & also newly introduced Instagram page. The IEM YES social media platforms contain information of the activities conducted or organized by IEM YES. This portfolio has always kept their members & followers being informed of IEM YES activities through Facebook, Instagram, Whatsapp, and emails blast. With the extensive promotion & updates on social media, it has built a great reputation for IEM YES among others especially students, graduates & also young professional members.

16.13.7 Student Affairs Portfolio

IEM-YES has always been keeping in touch with student sections via Whatsapp group to share the latest information regarding the education fund and MDP fund. Furthermore, we also share latest events among universities and IEM where the student sections in KL areas actively join our IEM YES monthly meeting and YES activities such as KLESF, monthly sport session, ERUN, STEM competition, family day and Natsum.

There are a total of 12 active student sections in Selangor/KL areas which is APU, UNMC, UCSI, UiTM, UNITEN, UTAR, MMU, UM, Monash University, Taylor's University, SEGI University and Heriot-Watt University.

There is also one campus news corner in monthly IEM Jurutera to let the student section share their past events or upcoming events in the magazine.

IEM YES committees also participated and supported activities organized by the universities. At the same time, IEM YES committees visited a few student sections to know their problems and help them to solve it.

- 07.03.2019 YES visit to Heriot-Watt University Cyberjaya
- 24.04.2019 YES visit to KDU Sharing Session at Glenmarie



- 30.04.2019 YES Sharing Session at Heriot-Watt University at Cyberjaya
- 24.10.2019 YES attended the UiTM's AGM
- 20.10.2019 Visit to Nottingham IEM Student Section
- 16.12.2019 Visit to UTeM IEM Student Section at Melaka

16.13.8 Graduate Affairs Portfolio

- 04-07.07.2019 NATSUM 2019. IEM Young Engineers National Summit (NATSUM) 2019, was officiated by YB Zairil Khir Johari at Penang Komtar Tower. NATSUM 2019 was organized by IEM YES (Penang Branch) and it serves as one of the most important event to gather nationwide students and graduates together. We had a great technical visit to ViTrox on Day 1. We chaired the inter-branch meeting among the Young Engineers Sections and Student Sections. We had also visited the CCTV Control Center in Penang and have a great social networking dinner before we leave. YES had contributed to prepare the Outstanding Branch Awards and Outstanding Student Section Awards in NATSUM. Besides, we have also had the 1st townhall meeting session with the branches and IEM Vice president Ir Tan Cheefai to deliver the message of the issues faced by the branches to the HQ.
- 20.10.2019 YES has organised the brainstorming session at Nottingham University with 20 committee and co-opted members
- 17.12.2019 Visit to YES Melaka Branch.

16.13.9 External Affairs Portfolio

- 05-06.01.2019 IET YPS Malaysia Team Building Camp A team building event with IET YPS Malaysia, IET Malaysia Local Network, IET Communities Committee Asia Pacific (CC-AP), IET YPS Singapore, IET YPS Brunei, IET YMS Hong Kong, IEM Young Engineers Section (YES), Monash Engineers Australia Monash Sunway Student Section, and not forgetting our beloved On Campus groups from all over the country, UTAR, UNITEN, UCSI, Swinburne, UoSM, Heriott Watt, Taylor's, USM, MMU Cyberjaya, MAHSA, TARUC and UiTM.
- 07.03.2019 Courtesy Visit to YB Syed Saddiq, Ministry of Youth and Sports at Majlis Sukan Negara, Bukit Jalil. We have introduced YES to him and invited him to our activities.
- 17.03.2019 International Women's Day Public Forum, Balance for BetterWE at SunMed with the WOMan Engineers Technical division
- 25-27.04.2019 International Young Engineers Exchange Forum at Hong Kong with 8 participating institutions namely, Hong Kong, Malaysia, Philippines, Singapore, South Korea, Japan, Taiwan and Macau.
- 04.05.2019 IET Present Around the World Judge at UCSI University.
- 12.06.2019 Representation to Focus Group Discussion to Form the Industry Knowledge Group (IKG) for BIM Level 2 Adoption
- 18.06.2019 YES was invited to Oil & Gas Asia Conference at KLCC Convention Centre
- 22.06.2019 YES was invited to Royal Institute of Surveyors Malaysia 58th Annual Dinner 2019 at Istana Hotel
- 22.06.2019 YES was invited to Malaysian Green Building Council 10th Anniversary Sustainability Awards 2019 at Pavilion Hotel
- 29.06.2019 YES was invited to Pertubuhan Akitek Malaysia Annual Dinner 2019
- 30.08.2019 MIA YPC Engagement Session with Young Professionals. Malaysia Institute of Accountants – Young Professionals committee (MIA YPC) had invited IEM YES committee to join the engagement session with young professionals.
- 11-14.09.2019 37th YEAFEO, Jakarta, Indonesia. CAFEO37 is held at Jakarta, Indonesia, in year 2019. The event was kick-started with a welcoming dinner on the night of day zero. On the first day of the event, there is CAFEO37 Opening Ceremony held at JIExpo Kemayoran Jakarta, Indonesia. We have the Gala Dinner with Jakarta Governor Mr. Anies Baswedan for YEAFEO delegate. On day three, we have the YEAFEO Activity Report and various Working Group Meeting held at JIExpo. We are proud to be invited by the Minister of Public Works and Housing Republic of Indonesia for a networking session with all young engineers and YEAFEO delegates. On the last day, we would like to thank PII for arranging the technical visit to Go-Jek Indonesia HQ 2.0 and MRT Jakarta before heading to CAFEO37 Closing Dinner.



- 28.09.2019 YES was invited to the IET Public Lecture Annual Dinner
- 06.11.2019 Tratax Appreciation Cocktail & Mocktail 2019. A social networking session held by Tratax – Thenesh, Renga & Associates. IEM YES had been invited to the appreciation cocktail & mocktail by Mr Renganathan, a lawyer from Young Professionals Associates (YPA). We appreciate the opportunity to network with each other and it served as an ice break for our new committee to meet up with the lawyers.
- 01.12.2019 YES co-organised the Balai Iktisas Malaysia (BIM) Bowling Tournament 2019

16.14 Women Engineers Section (WE)

- 16.4.1 Under clause 9 of Rules of the Women Engineers Section at the 68th meeting held on 30th April 2019, the WE Committee unanimously confirmed Ir. Rusnida binti Talib as Chairman and Ir. Noorfaizah binti Hamzah was elected as Vice Chairman I, while Ir. Yap Wai Leng was elected as Vice Chairman II for session 2019/2020.
- 16.4.2 The section continues to play an active role in promoting and supporting women engineers. The section works to advance gender equality in STEM studies and engineering careers through various activities.
- 16.4.3 In 2019, IEM-WE has been stepping up effort to inspire more young girls to enter STEM and has participated in many activities such as science fair, talks, workshop, carnivals in schools, public libraries and shopping malls. The section has been playing a significant role in supporting National STEM Movement. IEM WE, through IEM STEM Promotion Subcommittee has participated in the STEM Carnival@Da Men Mall, the Selangor state-level Minggu Sains Negara and Kuala Lumpur Engineering Science Fair 2019, one of Malaysia's largest sciences fair held annually to promote STEM.
- 16.4.4 Outreach activities for 2019 were:
- Team building Session 2018/2019
 - Sunway Medical Convention Centre International Women's Day Celebration, 17 March 2019
 - Seminar on Cost Engineering - Shaping Minds & Broadening Perspectives, 25 July 2019
 - Empowering Women in Engineering and Technology Workshop (EWiET), 1 August 2019
 - The Thingamajiq Thinkathon by Engineering for Kids, 30-31 August 2019
 - National IET Faraday Challenge, 31 August 2019
 - STEM Talks at Pudu Girls School (SMKPP), 15 October 2019
 - Kuala Lumpur Engineering Science Fair (KLESF) Mines International Exhibition And Convention Centre (MIECC), Seri Kembangan, 2-4 November 2019
 - Pesta Sains Negeri Sembilan, 15-17 November 2019
- 16.4.5 Representation in AER Executive Committee
Ir. Mah Siew Kien represented the WE Section in the AER Executive Committee as IEM WE's representative to the WE AFEO (Women Engineers of the ASEAN Federation of Engineering Organisations).
- 16.4.6 Representation in STEM Initiative Sub Committee
Ir. Mah Siew Kien and Ms. Noorfaizah binti Hamzah represented this Section in the STEM Initiative Sub Committee. They were also actively participating in events organized by the National STEM Movement.

17 TECHNICAL DIVISIONS AND SPECIAL INTEREST GROUPS

17.1 Office Bearers

TECHNICAL DIVISION / SPECIAL INTEREST GROUP	CHAIRMAN	DEPUTY CHAIRMAN	SECRETARY/ TREASURER
Agricultural & Food	Ir. Vasan Mariappan	Ir. Hor Kok Luen	Ir. Wendy Ooi Mong Lee
Building Services	Ir. Wong Win Heng	Ir. Yap Chee Hong	Ir. Sofia Johari
Chemical	Ir. Dr. Lee Tin Sin	Ir. Dr. Chong Chien Hwa	Ir. Prof. Dr. Tee Tiam Ting
Civil and Structural	Ir. Chong Chee Meng	Ir. Low Kai Wah	Ir. Lo Seng Ling
Electrical	Ir. Chong Chew Fan	Ir. Francis Xavier Jacob	Ir. Lee Cheng Pay
Electronic	Ir. Dr. Khor Jeen Ghee	Ir. Dr. Lee Choo Yong	Ir. Dr. Mui Kai Yin
Engineering Education	Ir. Assoc. Prof. Dr. Mohamed Thariq Bin Haji Hameed Sultan	Ir. Dr. Shahrudin Muslimin	Ir. Dr. Dhakshyani Ratnadurai
Environmental	Ir. Choo Chee Ming	Ir. Tang Boon Heng	Ir. Teoh Boon Lai
Geotechnical	Ir. Lee Peir Tien	Ir. Sin Peng Tean	Ir. Dr. Gue Chang Shin
Highway and Transportation	Ir. Richard Wong Chuen Fun	Ir. Dr. Khoo Hooi Ling	Ir. Edwin Goh Boon Hoe
Marine Engineering & Naval Architecture	Ir. Roznan Abdul Rashid	Ir. Lim Leong Bok	Ir. Teh Teoh Hai



Mechanical	Ir. Syed Neguib b. Syed Mohamed	Ir. Dr. Aidil Chee Tahir	Ir. Dr. Alvin Yap Chee Wei
Oil, Gas and Mining	Ir. Roznan Abdul Rashid	Ir. Abdul Razak Yakob	Ir. Lee Chang Quan
Project Management	Ir. Wong Khien Ngie	Ir. Dr. Nor Azhar bin Mohd Arif	Ir. Dr. Syuhaida binti Ismail
Tunneling and Underground Space	Ir. Khoo Chee Min	Ir. Dr. Ooi Teik Aun	Ir. Ong Sang Woh
Water Resources	Dato' Ir. Hj Mohd. Azmi Bin Ismail	Ir. C. Kamalesen A/L Chandrasekaran	Ir. Jama'iatul-Lailah Binti Mohd Jais
Information & Communications Technology	Ir. Chai Chen Sing	Ir. Phang Chee Man	Ir. Yasser Asrul Ahmad
Consulting Engineers	Ir. Vignaeswaran A/L Shanmuganathan	Ir. Yim Hon Wa	Ir. Ravindra Masilamon-ey
Public Sector Engineers	Ir. Mustafa Tek	Ir. Boey Wei Lun, Francis	Ir. Syed Rajah Hussain Shaib Bin A.H. Mohd Haniff
Seniors	Ir. Chong Kwet Hin, Frankie	Ir. Lalchand A/L Gulabrai	Ir. Ng Kok Peng
Urban Engineering Development	Ir. Tiong Choong Han	Ir. Tay Eng Chong	Ir. Ng Sean Lok

17.2 Membership of the Technical Divisions/Special Interest Groups

TD/SIG	2019
AFETD	213
BSTD	1480
CETD	479
CSETD	4318
EETD	8155
eETD	842
E2TD	987
ENETD	1115
GETD	1400
HTETD	1321
MNATD	302
METD	2268
OGMTD	1450
PMTD	2580
TUSTD	380
WRTD	1412
ICTSIG	272
CESIG	920
PSESIG	82
SSIG	50
UEDSIG	-

17.3 Activities Organised

17.3.1 Technical Talks and Visits

TD/SIG	TALKS	TECHNICAL VISIT
AFETD	6	6
BSTD	6	3
CETD	6	3
CSETD	10	3
EETD	13	4
eETD	9	3



E2TD	24	7
ENETD	11	5
GETD	14	2
HTETD	8	2
MNATD	8	5
METD	7	4
OGMTD	12	5
PMTD	10	1
TUSTD	8	10
WRD	7	3
ICTSIG	13	3
CESIG	10	2
PSESIG	5	3
SSIG	7	3
UEDSIG	6	3

17.4 Courses/Seminars/Workshops

TD/SIG	WORKSHOP	COURSE	SEMINAR	SYMPOSIUM
AFETD		2		
BSTD		9	3	
CETD		1		
CSETD	2	3	5	
EETD	7		12	
eETD		1		
E2TD		2		
ENETD				1
GETD		4	2	
HTETD		2	1	
MNATD		2		
METD		3	1	
OGMTD		2		
PMTD		9		
TUSTD		2		
WRD		0		
ICTSIG	2	1		
CESIG			1	
PSESIG		3		
SSIG		1		
UEDSIG		1		

Ir. DAVID LAI KONG PHOOI
President



NO	DATE	TIME	ORGANISED BY / SUPPORTED BY	NATURE	TITLE	NO. OF PAX	CPD/PDP Hours	REMARKS
1	15 Jan	9.00am - 5.00pm	Highway & Transportation	Course	1 Day Seminar on "Traffic Management at Workzones – JKR New Guidelines and Specifications".	42	7	
2	16 - 17 Jan	9.00am - 5.00pm	Project Management	Course	2-Day Course on "Cost Management"	18	15	
3	19 Jan	9.00am - 1.00pm	E&Q	Workshop	Talk on "Awaraness Talk & PI Workshop on Enhanced Process"	65	3	
4	23 Jan	8.30am - 5.30pm	Building Services	Seminar	One Day Seminar on "Smart Comfort Smart Buildings"	69	6	
5	23 Jan	9.00am - 1pm	Electrical Engineering	Course	Half Day Seminar on "Technology Trends and Innovations on Critical Power Applications"		3	Cancelled due to lack of participant
6	29 Jan	9.00am - 6.00pm	Tunnelling & Underground Space	Course	1-Day Short Course on Finite Element Modelling in Tunnels and Tunnelling	58	7	
7	23 Feb	9.00am - 1.00pm	E&Q	Workshop	Talk on "Awaraness Talk & PI Workshop on Enhanced Process"	46	3	
8	3 Mar	9.00am - 5.00pm	Chemical Engineering Technical Division	Course	One-Day Course on "Hazop Training For Team Members- A Practical Approach"	23	7	
9	5 Mar	8.30am - 6.00pm	Geotechnical Engin	Course	One Day Short Course on "Rainfall-induced Slope Failures: Analyses, Monitoring and Preventive Measures"	93	7.5	
10	5 - 6 Mar	9.00am - 5.00pm	Project Management	Course	2-Day Course on "Advanced Project Estimation and Cost Control"		14.5	Rescheduled to 16-17 July 2019
11	16 Mar	11.00am - 1.00pm	IEM ECD (Log Book)	Workshop	Mentor/Mentee Engagement Sessions	65	3.5	
12	19 Mar	8.30am - 5.30pm	Women Engineers	Course	1-Day Course on "LiDAR Technology With A Case Study In Flood Risk Assessments & Mitigation and its Application In Engineering"	11	7	
13	20 - 21 Mar	8.30am - 5.30pm	Building Services	Course	2 Day Course on "Healthcare Ventilation"	21	13	
14	26 - 27 Mar	9.00am - 5.00pm	Mechanical Engineering Technical Division	Course	Course on "Vertical Transportation Systems" Course 1: Design and Installation of VTS Course 2: Maintenance Management of VTS	16	13	
15	26 Mar	9.00am - 1.00pm	Electrical Engineering	Workshop / Visit	Half-Day Workshop on "Switchgear Protection and (Technical Visit) to Toshiba Transmission & Distribution System"	43	4	
16	28 Mar	8.30am - 5.30pm	Civil & Structural	Seminar	1-Day Seminar on "Assessment of In-Situ Compressive Strengh of Concrete in Existing Structures"	97	6.5	
17	28 Mar	8.30am - 5.30pm	Public Sector	Course	One Day Course on "3rd Generation Performance Based Contract"	31	6	
18	3 Apr	9.00am -1.00pm	Mechanical Engineering Technical Division	Course	Half Day Course on "Design, Selection And Improving Efficiency Of Precision Cooling System For New And Existing Data Centre"	14	4	



NO	DATE	TIME	ORGANISED BY / SUPPORTED BY	NATURE	TITLE	NO. OF PAX	CPD/PDP Hours	REMARKS
19	4 Apr	10.00am - 12.00noon	Professional Practice	Forum	Sesi Penerangan Berkenaan Perundangan Keselamatan dan Kesihatan Pekerjaan (KKP)	48	2	
20	4 Apr	8.30am - 1.00pm	Electrical Engineering	Workshop	Half-Day Workshop on "Common Tier Mistakes & 2018 Trends in Data Centers".	20	4	
21	9 Apr	8.30am - 6.00pm	Geotechnical	Course	One Day Short on "Course on Cone Penetration Test"	107	7.5	
22	11 - 12 Apr	9.00am - 5.30pm	Project Management	Course	2-Day Course on "Contract Management Hiccups"		14	Rescheduled to 31 Jul - 1 Aug 2019
23	24 Apr	1.00pm - 6.00pm	Young Engineers Section	Seminar	Half Day Seminar on "Home Electrical Safety to IEC 60364"		5	
24	24 - 25 Apr	8.30am - 5.30pm	Building Services	Course	2 Day Course on "Fire Control Concepts & Design of Active Systems"	19	13	
25	30 Apr	9.00am - 1.00pm	Public Sector	Course	One Day Seminar on "SELF X ANALYSIS: Discover & Develop the True Characters Beyond the Personalities"	30	3	
26	4 May	9.00am - 5.30pm	Agricultural	Course	One Day Course on "Optimum Sterilization Process and Control"	23	7	
27	23 May	9.00am - 5.30pm	Water Resources	Course	One Day Short Course on "Urban Drainage Modelling For Design"		7	Cancelled due to lack of participant
28	25 May	9.00am - 1.00pm	E&Q	Course	Talk on "Awaranness Talk & PI Workshop on Enhanced Process"	45	3	
29	11 - 12 Jun	8.30am - 5.30pm	SC on EC	Course	2-Day Course on "Malaysian Civil Engineering Standard Method of Measurement (MyCESMM2)"	11	13.5	
30	14 Jun	8.30am - 6.00pm	Geotechnical	Course	One Day Short Course on "Practical Application of FEM in Geotechnical Engineering"	80	7.5	
31	17 - 18 Jun	9.00am - 5.30pm	Project Management	Course	2-Day Course on "Contract Management Hiccups"		14	Rescheduled to 31 Jul - 1 Aug 19
32	19 Jun	8.30am - 1.00pm	Marine Engineering & Naval Architecture	Course	Half Day Course on "Introduction to Marine Engineering"		3.5	Cancelled due to lack of participant
33	20 Jun	8.30am - 5.30pm	Jointly organised by Marine Engineering & Naval Architecture & Public Sector Engineers Special Interest Group	Course	One Day Course on "Technical Report Writing"	28	6.5	
34	25 Jun	9.00am - 5.30pm	Women Engineers & BSTD	Course	1 Day Course on "Sustainable Development Goals (SDG6) - Clean Water and Sanitation What Can We Do!"		7	Postponed due to lack of participant



NO	DATE	TIME	ORGANISED BY / SUPPORTED BY	NATURE	TITLE	NO. OF PAX	CPD/PDP Hours	REMARKS
35	26 - 27 Jun	9.00am - 5.30pm	Mechanical Engineering Technical Division	Course	Two-Days Course on "Optimizing Compressed Air System Energy Efficiency"	10	14	
36	2 Jul	9.00am - 3.00pm	Electrical Engineering	Seminar	Industrial Seminar on "IEC 61439-1 and IEC 61439-6 for Busbar Trunking Systems (Busways)"	23	3.5	
37	3 Jul	9.00am - 3.00pm	Electrical Engineering	Seminar	Industrial Seminar on "IEC 61439-1 and IEC 61439-2 for Power Switchgear and Controlgear Assemblies"	42	3.5	
38	3 - 4 Jul	9.00am - 5.30pm	Marine Engineering & Naval Architecture	Course	Two Days Course on "Basic Welding Knowledge in Engineering & Construction"		14	Cancelled due to lack of participant
39	4 Jul	9.00am - 5.30pm	Jointly organised with Oil, Gas and Mining Technical Division & Chemical Engineering Technical Division	Course	One-Day Course On "Safety Integrity Levels (SIL) Training for Workshop Participants"		6.5	Cancelled due to lack of participant
40	10 -11 July	8.30am -5.30pm	Project Management	Course	2-Day Course on "Good Project Management Practices For Successful Project Delivery"	23	14	
41	13 Jul	8.30am - 1.00pm	Project Management	Course	Half Day Course on "Adjudication and Mediation: What Engineers and Project Managers Need To Know"		3.5	Postponed due to lack of participant
42	13 Jul	8.30am - 1.00pm	IEM ECD (Log Book)	Workshop	Workshop on "2nd Mentor/Mentee Engagement 2019"	58	3.5	
43	16 Jul	9.00am - 5.30pm	Jointly organised with Oil, Gas and Mining Technical Division & Chemical Engineering Technical Division	Course	One-Day Course on "HAZOP Training for Team Members- A Practical Approach"		7	Cancelled due to lack of participant
44	16 - 17 Jul	9.00am - 5.30pm	Tunnelling & Underground Space	Course	Two-Day Practical Short Course in "Tunnels and Underground Space (PSCTUS2019)"	60	13	
45	16 - 17 Jul	9.00am - 5.30pm	Project Management	Course	2-Day Course on "Project Estimation and Cost Control"	35	14.5	
46	18 Jul	9.00am - 5.30pm	Environmental Engineering	Course	One Day Seminar on "Continuous Emission Monitoring System"		5	Cancelled due to lack of participant
47	20 Jul	9.00am - 1.00pm	E&Q	Course	Talk on "Awareness Talk & PI Workshop on Enhanced Process"	47	3	
48	22 - 23 Jul	9.00am - 5.30pm	Senior & Project Management	Course	2-Day Course on "Project Planning & Scheduling"	22	13	
49	23 Jul	9.00am - 5.30pm	Oil, Gas and Mining Technical Division	Course	One-Day Course on "Offshore Sand Separation: Design, Operation And Maintenance"	15	6.5	
50	30 - 31 Jul	8.30am - 5.30pm	Jointly organised by PPC for IEM/PAM/ MI Arb and RISM	Course	Joint Courses on Alternative Dispute Resolution for Practitioners Collaboration between IEM, MI Arb, PAM and RISM	45	14	



NO	DATE	TIME	ORGANISED BY / SUPPORTED BY	NATURE	TITLE	NO. OF PAX	CPD/PDP Hours	REMARKS
51	31 Jul	8.30am - 1.30pm	Jointly organised by Building Services Technical Division & ASHRAE Malaysia Chapter	Seminar	Half Day Seminar on "Design And Application of Water Cooled VRF (Variable Refrigerant Flow) System"	60	3.5	
52	5 Aug	9.00am - 1.00pm	Tunnelling & Underground Space	Course	One Day Short Course on "Regulatory and Control of Explosives & Blasting"		6	Postponed due to lack of participant
53	6 Aug	8.30am - 5.30pm	Building Services Technical Division & In Collaboration with Midea Scott And English Electronics SB	Seminar	One Day Seminar on "Commercial Building Solution (Chiller System) & VRF Technology Development Trend"	315	6.5	
54	8 Aug	8.30am - 2.30pm	Building Services Technical Division & In Collaboration with Daikin Applied (Malaysia) Sdn. Bhd.	Seminar	One Day Seminar on "Decoupled Chilled Water System Vs. VPF " & "Applied Factory Visit"	21	4	
55	6 Aug	9.00am - 1.00pm	Engineering Education Technical Division	Forum	An Industry Forum on "Trends of Artificial Intelligence: What's In Store For Engineers And The Community?"	147	4	
56	10 Aug	8.30am - 5.30pm	Electrical Engineering	Seminar	One Day Seminar on "Overview of Electrical Installations Design and Installations to PCE Requirements"	46	6.5	
57	16 - 17 Aug	9.00am - 5.30pm	Chemical Engineering Technical Division	Competition	Youth Chem-e-Car Competition 2019	5 teams	nil	
58	17 Aug	9.00am - 5.30pm	Consulting Engineers, Special Interest Group	Seminar	1-Day Seminar on "IEC 61439 A Low-Voltage Switchgear and Control gear Assembly", "Type Test Certificate Design Verification Assessment" & Medium Voltage Switchgear with IEC62271-200 standard	45	6.5	
59	22 Aug	9.00am - 5.30pm	Electrical Engineering	Course	One Day Course on "Automatic Transfer Switch to MS IEC 60947-6-1 and Selection, Design and Operation of ATS and Generator Controllers"	35	6.5	
60	24 Aug	9.00am - 1.00pm	E&Q	Course	Talk on "Awaranness Talk & PI Workshop on Enhanced Process"	58	3	
61	27 Aug	9.00am - 5.30pm	Information and Communications Special Interest Group	Course	One Day Course on "A Quick Preview of Erosion and Sediment Control Plan by Certified Professional in Erosion and Sediment Control®-CPESC"	24	7	
62	27 Aug	5.30pm - 7.30pm	DARP - PPC	Talk/ Workshop	Dispute Avoidance No. 4	36	2	
63	29 Aug	9.00am - 5.30pm	Highway & Transportation	Seminar	1-Day Road Safety Seminar on "Retro-Reflective Innovation and Technology for Enhanced Road Safety"	30	7	
64	31 - 1 Sep	9.00am - 5.00pm	Project Management	Course	2-Day Course on "Contract Management Hiccups"	26	14	



NO	DATE	TIME	ORGANISED BY / SUPPORTED BY	NATURE	TITLE	NO. OF PAX	CPD/PDP Hours	REMARKS
65	6 Sep	9.00am - 5.30pm	Civil & Structural	Workshop	1-Day Workshop on "EN1992-4:20184 Eurocode 2 - Design of Fatening for Use in Concrete"	59	5	
66	10 - 11 Sep	9.00am - 5.00pm	Project Management	Course	2-Day Course for "Project Management Foundation and Practices: For Managing Electrical and Electronics Projects"		12	Postponed due to lack of participant
67	18 - Sep	9.00am - 5.00pm	Project Management	Course	1-Day Course on "Project Schedule Management"		6	Postponed due to lack of participant
68	21 Sep	9.00am - 1.00pm	Tunnelling & Underground Space	Course	Half-Day Course on "Macro Synthetic Fibre Reinforced Concrete for Tunnelling and Underground Structures"		6	Postponed due to lack of participant
69	23 - 24 Sep	8.30am - 6.00pm	Geotechnical	Course	2 Days Course on "Geosynthetics"	85	14	
70	23 - 24 Sep	8.30am - 5.30pm	Building Services	Course	Two Days Course on "Concept & Design of Sprinkler System Reference to NFPA 13: 2016"	11	12	
71	24 Sep	8.30am - 5.30pm	Civil & Structural	Seminar	1-Days Seminar on "Performance Evaluation for Concrete to Concrete Connection : From Qualification to Design"	117	6	
72	25 - 26 Sep	9.00am - 5.30pm	Project Management	Course	2-Day Course On "Hazard Identification, Risk Assessment and Risk Control (HIRARC) in Engineering Project Management"		14	Postponed due to lack of participant
73	26 Sep	8.30am - 5.30pm	Civil & Structural	Seminar	1-Days Seminar on "Passive Fire Protection to Steel Buildings & Convention Centres, and The Challenges and Solutions in Building Envelope Waterproofing"	112	6	
74	26 Sep	8.30am - 5.30pm	Electrical Engineering	Seminar	Innovation Day: Green, Sustainable & Future Ready Power System Design & Implementation - IOT and Industry 4.0	220	6	
75	28 Sep	9.00am - 1.00pm	E&Q	Course	Talk on "Awaranness Talk & PI Workshop on Enhanced Process"	33	3	
76	30 Sep	9.00am - 5.00pm	Electrical Engineering	Seminar	One Day Technical Seminar - Lightning and Surge Protection and Power Quality & Reliability	100	7	
77	1 Oct	9.00am - 3.30pm	Electrical Engineering	Seminar	Half Day Seminar on "Best Practise of Biogas Plant Operation"	85	5	
78	2 Oct	8.30am - 5.30pm	Civil & Structural	Workshop	1-Day Workshop on "Conceptual Design of Structures"	69	6.5	
79	3 Oct	8.30am - 5.30pm	Civil & Structural (Jointly with Sarawak Branch)	Seminar	1-Days Seminar on "Performance Evaluation for Concrete to Concrete Connection : From Qualification to Design"	42	6	
80	2 & 3 Oct	9.00am - 5.30pm	Environmental Engineering	Workshop	2 Days Course on "Waste Water Design Workshop"		6	Cancelled due to lack of participant



NO	DATE	TIME	ORGANISED BY / SUPPORTED BY	NATURE	TITLE	NO. OF PAX	CPD/PDP Hours	REMARKS
81	5 Oct	9.00am - 5.30pm	Agricultural	Course	One Day Technical Course on "The potential tertiary commercial-scale plants using palm oil mill by-products. How feasible, variable & viable? Sustainable?"	21	7	
82	10 Oct	8.30am - 5.30pm	Electrical Engineering	Seminar	Half Day Seminar on "IEC 60364-8-1 Energy Efficiency"	19	4	
83	17 Oct	8.00am - 1.00pm	Electrical Engineering	Seminar	Half Day Seminar on "The Importance of Surge Protection"	45	3.5	
84	17 Oct	2.00am - 5.00pm	Electrical Engineering	Seminar	Half Day Seminar on "The Importance Of Surge Protection for Railway Signalling"	45	3.5	
85	22 Oct	8.30am - 5.30pm	Building Services	Course	One Day Course on "Energy Storage-Based Devices : Technology and Opportunities with Renewable Generations, T & D and Microgrids"	31	7	
86	22 Oct	6.45am - 5.00pm	Oil, Gas and Mining Technical Division	University Teknologi PETRONAS	Technical Visit To "Institute of Hydrocarbon Recovery"		5	Cancelled due to lack of participant
87	24 Oct	9.00am - 5.15pm	Building Services	Course	One Day Course on "A Quick Guide to BEM Professional Competency Examination for Air Conditioning and Mechanical Ventilation System"	35	6.5	
88	29 Oct	8.30am - 5.30pm	Civil & Structural (Jointly with Sabah Branch)	Seminar	1-Days Seminar on "Performance Evaluation for Concrete to Concrete Connection : From Qualification to Design"	60	6	
89	30 Oct	9.00am - 5.30pm	Marine Engineering & Naval Architecture	Course	One Day Course on "Health, Safety and Environment on Plastic Waste Management"	8	6.5	
90	2 Nov	9.00am - 5.30pm	Project Management	Course	1-Day Course on "Handling Delay, Prolongation and LAD Claims in Engineering /Construction Contracts".		6	Rescheduled 2020
91	5 Nov	9.00am - 5.30pm	Highway & Transportation	Course	1-Day Course on "Best Practices In Road Construction And BQ Preparation based on Civil Engineering Standard Method of Measurement MSCESMM (2018), MyCESMM2"	7	6.5	
92	5 Nov	9.00am - 5.00pm	Electrical Engineering	Seminar	One Day Seminar on "Best Maintenance Practices in LV Switchgear"	46	7	
93	7 Nov	9.00am - 1.00pm	Building Services	Course	Half Day Course on "Selecting the Right Type of Supression System for Industrial Kitchen"	84	3.5	
94	8 Nov	8.30am - 2.00pm	Civil & Structural	Seminar	Half Day Seminar on "Strenghtening of Structure with Composite Materials and HPC Technology"	122	3.5	
95	13 Nov	9.00am - 5.00pm	Electrical Engineering	Course	One Day National Seminar on "Railway Systems Asset Management"	50	7	
96	13 Nov	9.00am - 5.00pm	Oil, Gas and Mining Technical Division	Course	One -Day on Course "Basic Drilling Engineering"		6.5	Cancelled due to lack of participant
97	13 Nov	8.30am - 2.00pm	Civil & Structural	Seminar	Half Day Seminar on "Applications and Benefits on Using High Strength Structural Steel"	82	4	



NO	DATE	TIME	ORGANISED BY / SUPPORTED BY	NATURE	TITLE	NO. OF PAX	CPD/PDP Hours	REMARKS
98	19 Nov	8.30am - 2.00pm	Electrical Engineering	Seminar	IEM – ST Awareness Half Day Seminar on "MEPS for Motors"	60	4	
99	20 - 21 Nov	8.30am - 5.30pm	Civil & Structural	Course	Two-Day Refresher Course "In Structural Engineering with Particular Reference to the Chartered Membership Examination of the Institution of Structural Engineers, United Kingdom"	56	13.5	
100	23 Nov	9.00am - 5.00pm	E&Q	Course	Talk on "Awareness Talk & PI Workshop on Enhanced Process"	45	3	
101	26 Nov	8.30am - 5.00pm	Building Services (Organised in Collaboration with ILSAS)	Seminar	One Day Seminar on "Engineering & Technology - Series 1: Malaysia Towards Renewable Energy"	135	6.5	
102	27 Nov	9.00am - 5.30pm	Environmental Engineering	Symposium	Green Symposium 2019 "Sustainable Excellence via Innovative Engineering" - Day 1	102	5.5	
103	27 Nov	9.00am - 5.15pm	Mechanical Engineering Technical Division	Seminar	One Day Seminar on "Engineering Shopping Malls IV 2019"	66	5.5	
104	28 Nov	9.00am - 5.30pm	Environmental Engineering	Symposium	Green Symposium 2019 "Sustainable Excellence via Innovative Engineering" - Day 2	94	6	
105	28 Nov	2.00pm - 5.00pm	Environmental Engineering	Symposium	Green Symposium 2019 "Sustainable Excellence via Innovative Engineering"	20	3	
106	7 Dec	8.30am - 1.00pm	Project Management	Course	1-Day Course on "Adjudication and Mediation: What Engineers and Project Managers Need To Know"	38	6.5	
107	9 Dec	8.30am - 5.30pm	Building Services	Course	1 Day Course on "Enterprise Risk Management in an Uncertain Business Environment (Ref ISO 31000 Risk Management)"	22	6.5	
108	9 - 10 Dec	8.30am - 5.30pm	Project Management	Course	2-Day Course on "Construction Contract Failures : Symptoms, Causes & Treatment"	49	14	
109	14 Dec	9.00am - 5.30pm	Information and Communications Special Interest Group	Workshop	One Day Workshop on "Customization CAD for Daily Engineer's Works"	17	7	
110	16 - 17 Dec	9.00am - 4.45pm	Oil, Gas and Mining Technical Division	Course	Two-Day Course on "Technical Writing for Engineers and Technical Personnels"	14	12.5	
111	17 - 18 Dec	8.30am - 5.30pm	Project Management	Course	2-Day Course on "Good Project Management Practices For Successful Project Delivery"	40	14	
112	18 - 19 Dec	8.30am - 5.30pm	SC on EC	Course	2-Day Course on "Malaysian Civil Engineering Standard Method of Measurement (MyCESMM2)"	30	13.5	
113	18 - 19 Dec	8.30am - 5.30pm	Project Management	Course	2 Day Course on "Ways to Success in Design & Build Contract"	40	14	
114	21 Dec	9.00am - 5.00pm	Information and Communications Special Interest Group	Workshop	One Day Workshop on "JAVA Programming for Engineers"	13	6.5	



HONORARY TREASURER'S REPORT

1. The 2019 fiscal Statement of Accounts and the Balance Sheet of the Institution are as presented. The accounts are maintained by the Standing Committee on Finance to which the Hon. Treasurer is the Secretary.
2. The financial statements presented comprise of three sets of accounts. The columns denoted by "Institution" refers to the financial performance of IEM but these figures do not include the financial position of the IEM Branches who file their financial statements with the IRB of the respective states.
3. The columns denoted by "Group" refers to the consolidated accounts of IEM, IEM Training Centre Sdn Bhd and IEM Academy Sdn Bhd. There are some columns where figures are shown under "Institution" but blank under "Group" and vice versa. This is due to the figures being related party transactions which were eliminated on consolidation.
4. The total income for year 2019 is RM5,014,556 which is RM98,964 lower than that of year 2018. The total income included RM428,887 being net income from Institutional services, rental income RM744,396.
5. The drop in revenue is due mainly to lesser Surplus from activities of the Technical Divisions which only recorded RM383,295 compared to RM558,314 in 2018.
6. The main source of income continue to be annual subscriptions which amounted to RM3,464,860 for 2019 which made up approximately 69% of the total income of the Institution compared to 65% in 2018 and 51% in 2017. At the end of 2019, there was subscriptions still owing from members amounting to RM301,645 compared to RM372,050 in 2018.
7. The total expenditure of the Institution was RM5,170,734, which was RM910,697 lower than that of year 2018. The main operating expenditure items were personnel emoluments RM2,240,141 (43%), administrative expenses RM1,124,845, finance cost (term loan interest) RM96,819 and Branch Subsidies RM451,840. Branch Subsidies for West Malaysia Branches would be increased to 30% of respective collection with effect from 2020.
8. Expenses for year 2019 was 15% lower than 2018.
9. Various initiatives had been implemented to save operating costs including the move to paperless meetings in IEM thereby reducing cost of printing as well as posting of minutes of meetings/meeting documents to Committee Members. As can be seen from the accounts, due to this initiative, printing and stationery dropped by 30% while postage dropped by 23%.
10. However, with effect from February 2020, Pos Malaysia had announced a hike of between 70 – 85% in postage charges. At the end of 2018, a circular was sent together with the annual renewal notice to seek members' consent to send e-Bulletin instead of the hard copy. Members who consent to this will be issued the e-Bulletin via email beginning middle of 2019. To date the number of members who had opted for the e-Bulletin is around 625. In order to enable the e-Bulletin to be more easily accessible and readable by members via mobilephones, IEM will be working with a vendor to introduce a mobile app to improve IEM's communication with IEM members.
11. Financially, IEM as an Institution, recorded a deficit of RM212,933 in financial year 2019 as compared to a deficit of RM1,021,277 in financial year 2018.

Ir. Chen Harn Shean
Honorary Treasurer

HONORARY INTERNAL AUDITOR'S REPORT

I have examined the Balance Sheet as at 31st December 2019, the Income and Expenditure Account together with Notes on the Accounts set out on pages 161 to 181, accounting and other records.

I hereby certify that they give a true and fair view of the state of affairs and the results of the Institution's operations for the year ended on that date.

Ir. AWANGKU HIDUP BIN AWANGKU HOSAIN
Honorary Internal Auditor

Ir. TIONG NGO PU
Honorary Internal Auditor



STATEMENTS OF FINANCIAL POSITION AS AT 31 DECEMBER 2019

	Note	Group		Institution	
		2019 RM	2018 RM	2019 RM	2018 RM
ASSETS					
Non-current assets					
Property, plant and equipment	3	15,528,382	15,638,339	15,332,599	15,405,691
Investment property	4	3,500,591	3,578,322	3,500,591	3,578,322
Investment in subsidiaries	5	-	-	200,000	200,000
Deferred tax asset	6	930,231	736,691	-	-
Goodwill	7	65,588	65,588	-	-
		20,024,792	20,018,940	19,033,190	19,184,013
Current assets					
Trade and non-trade receivables	8	3,671,015	4,114,731	1,984,683	1,567,186
Tax recoverable		159,381	-	108,859	246,964
Fixed deposits with licensed banks	9	6,640,643	3,285,658	2,662,706	1,805,752
Cash and bank balances		3,078,958	3,248,926	1,711,539	2,076,725
		13,549,997	10,649,315	6,467,787	5,696,627
TOTAL ASSETS		33,574,789	30,668,255	25,500,977	24,880,640
Financed by:					
Capital and reserves					
Accumulated fund	10	9,462,845	9,601,807	7,554,846	7,821,622
Capital reserve fund	11	3,663,686	3,305,582	3,663,686	3,305,582
Capital contribution reserve	12	4,262,354	3,983,774	4,262,354	3,983,774
Library fund	13	747,448	710,298	747,448	710,298
Building fund	14	3,597,253	3,479,809	3,597,253	3,479,809
Stem fund	15	19,813	8,609	19,813	8,609
		21,753,399	21,089,879	19,845,400	19,309,694
LIABILITIES					
Non-current liabilities					
Trade and non-trade payables	16	316,398	893,774	373,153	893,774
Borrowings	17	1,206,445	1,273,128	1,206,445	1,273,128
		1,522,843	2,166,902	1,579,598	2,166,902
Current liabilities					
Trade and non-trade payables	16	9,609,043	6,988,454	3,983,121	3,317,607
Borrowings	17	92,858	86,437	92,858	86,437
Tax payable		596,646	336,583	-	-
		10,298,547	7,411,474	4,075,979	3,404,044
TOTAL LIABILITIES		11,821,390	9,578,376	5,598,822	5,570,946
TOTAL EQUITY AND LIABILITIES		33,574,789	30,668,255	25,500,977	24,880,640

STATEMENTS OF INCOME AND EXPENDITURE FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2019

	Note	Group		Institution	
		2019 RM	2018 RM	2019 RM	2018 RM
Income					
Members' subscription fees		4,141,816	3,329,803	3,464,860	3,329,803
Training and registration fees		240,613	1,222,994	-	-
Interest income		175,367	109,441	87,284	62,775
Subscriptions recovered		-	2,838	-	2,838
Membership reinstatement fees		27,710	30,779	27,710	30,779



Miscellaneous income:					
- Credit cards commission		75,466	84,401	75,466	84,401
- Arbitration levy		7,523	31,051	7,523	31,051
- Others		347,244	479,885	178,430	406,432
		5,015,739	5,291,192	3,841,273	3,948,079
Less: Expenditure					
Cost for courses		361,515	725,993	-	-
Personnel emoluments and benefits	18	2,648,091	3,238,419	2,240,141	2,773,351
Administrative expenses	19	1,501,229	1,636,581	1,124,845	1,259,864
Branch subsidies	20	451,840	418,264	451,840	418,264
Inter-society activities	21	19,263	22,060	19,263	22,060
SST Expenses		2,006	-	2,006	-
Subscription in arrears written off		127,567	274,455	127,567	274,455
Depreciation of property, plant and equipment		131,133	104,367	93,357	77,599
Impairment on non-trade receivables		-	58,498	-	58,498
		5,242,644	6,478,637	4,059,019	4,884,091
(Deficit)/Surplus from core institutional activities		(226,905)	(1,187,445)	(217,746)	(936,012)
Surplus from institutional services	22	428,887	517,275	428,887	517,275
Operational (deficit)/surplus		201,982	(670,170)	211,141	(418,737)
Deficit from rental income	23	(367,319)	(549,174)	(367,319)	(549,174)
Amortised cost adjustment		(56,755)	(53,366)	(56,755)	(53,366)
Deficit before Taxation		(222,092)	(1,272,710)	(212,933)	(1,021,277)
Tax income	24	80,218	79,590	-	-
Deficit for the year		(141,874)	(1,193,120)	(212,933)	(1,021,277)
Other contributions received:					
Capital reserve fund					
Contribution from branches	11	14,604	14,604	14,604	14,604
Library fund					
Enrollment fees and donation received	13	37,150	63,944	37,150	63,944
Building fund					
Donation received	14	117,444	123,016	117,444	123,016
		169,198	201,564	169,198	201,564
Total surplus/(deficit) and other contributions received/(deficit) for the financial year		27,324	(991,556)	(43,735)	(819,713)
STATEMENTS OF RECOGNISED GAINS AND LOSSES FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2019					
		Group		Institution	
		2019	2018	2019	2018
		RM	RM	RM	RM
Total surplus/(deficit) and other contributions received/(deficit) for the financial year		27,324	(991,556)	(43,735)	(819,713)
STATEMENTS OF CASH FLOWS FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2019					
		Group		Institution	
	Note	2019	2018	2019	2018
		RM	RM	RM	RM
Cash flows from operating activities					
Total surplus/(deficit) and other contributions received/(deficit)		27,324	(991,556)	(43,735)	(819,713)
Tax income		80,218	(79,590)	-	-
Total surplus/(deficit) and other contributions received/(deficit) before tax		107,542	(1,071,146)	(43,735)	(819,713)



Adjustments for:

Impairment loss on receivables	22,013	136,929	-	58,498
Reversal of impairment loss on receivables	(93,339)	(43,180)	-	-
Depreciation				
- property, plant and equipment	574,244	532,597	536,468	505,829
- investment properties	77,731	154,375	77,731	154,375
Interest expenses	96,819	97,319	96,819	97,319
Interest income	(175,367)	(109,441)	(87,284)	(62,775)
Subscription in arrears written off	127,567	274,455	-	274,455
Amortised cost adjustment	56,755	53,366	56,755	53,366

Operating surplus before changes in working capital	793,965	25,274	636,754	261,354
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Changes in working capital:

(Increase)/Decrease in receivables	(1,479,684)	(1,717,465)	(187,040)	782,925
Decrease)/(Increase) in subscription in arrears	1,907,584	(130,440)	70,405	(130,440)
Decrease)/(Increase) in payables	259,547	2,819,440	107,657	(366,371)
Increase)/(Decrease) in subscription in advances	1,783,666	387,002	(19,519)	387,002

Cash generated from operations	3,265,078	1,383,811	608,257	934,470
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Income tax refunded	290,323	-	138,105	-
Income tax paid	(202,963)	(259,606)	-	(47,540)

Net cash from operating activities	3,352,438	1,124,205	746,362	886,930
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Cash flows from investing activities

Interest received	175,367	109,441	87,284	62,775
Acquisition of property, plant and equipment	(464,287)	(344,873)	(463,376)	(316,988)
Entrance and transfer fees capitalised	278,580	398,737	278,580	398,737

Net cash (used in)/from investing activities	(10,340)	163,305	(97,512)	144,524
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Cash flows from financing activities

Financing cost	(96,819)	(97,319)	(96,819)	(97,319)
Repayment of borrowings	(60,262)	(126,520)	(60,262)	(126,520)
Placement in fixed deposits	(3,198,950)	(1,896,181)	(856,619)	(2,107,176)

Net cash used in financing activities	(3,356,031)	(2,120,020)	(1,013,700)	(2,331,015)
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Net decrease in cash and cash equivalents	(13,933)	(832,510)	(364,850)	(1,299,561)
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Cash and cash equivalents at 1 January	3,300,277	4,132,787	2,086,725	3,386,286
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Cash and cash equivalents at 31 December	(i) 3,286,344	3,300,277	1,721,875	2,086,725
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Note:

(i) Cash and cash equivalents

Cash and cash equivalents comprising the following:

Cash and bank balances	3,425,509	3,619,054	2,058,091	2,446,853
Fixed deposits with a licensed bank with original maturities less than 3 months (Note 9)	207,386	51,351	10,335	10,000
Less: Bank balances held in trust				
- ASEAN Engineering Register	(345,551)	(315,183)	(345,551)	(315,183)
- ASEAN Federation Engineering Organisation	(1,000)	(54,945)	(1,000)	(54,945)

	3,286,344	3,300,277	1,721,875	2,086,725
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The Institution Of Engineers, Malaysia
(Reg. No. 1356)
(Incorporated In Malaysia)
(And its Subsidiary)

NOTES TO THE FINANCIAL STATEMENTS AS AT 31 DECEMBER 2019

1. Basis of preparation

(a) Statement of compliance

The financial statements of the Institution of Engineers, Malaysia ("hereinafter referred to as the "Institution") have been prepared in accordance with Malaysian Private Entities Reporting Standards ("MPERS") and the constitution and by-laws of the institution.

The accompanying financial statements have been prepared assuming that the Group and the Institution will continue as a going concern which contemplates the realisation of assets and settlement of liabilities in the normal course of business.

The financial statements of the Group and the Institution have been prepared under the historical cost convention, unless otherwise indicated in the significant accounting policies in Note 1(c).

(b) Functional and presentation currency

These financial statements are presented in Ringgit Malaysia ("RM"), which is the Group's and the Institution's functional currency. All financial information is presented in RM and has been rounded to the nearest RM except when otherwise stated.

(c) Significant accounting judgments, estimates and assumptions

The preparation of the Group's and the Institution's financial statements requires the Council to make judgements, estimates and assumptions that affect the reported amounts of income, expenditure, assets and liabilities, and the disclosure of contingent liabilities at the reporting date. However, uncertainty about these assumptions and estimates could result in outcomes that could require a material adjustment to the carrying amount of the asset or liability affected in the future.

Key sources of estimation uncertainty

The key assumptions concerning the future and other key sources of estimation uncertainty at the end of the reporting period, that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next reporting period are set out below:

(i) Useful lives of property, plant and equipment

The Group and the Institution regularly review the estimated useful lives of property, plant and equipment based on factors such as business plan and strategies, expected level of usage and future technological developments. Future results of operations could be materially affected by changes in these estimates brought about by changes in the factors mentioned above. A reduction in the estimated useful lives of property, plant and equipment would increase the recorded depreciation and decrease the value of property, plant and equipment.

(ii) Impairment of financial assets

The Group and the Institution assess at end of each reporting period whether there is any objective evidence that a receivable is impaired. To determine whether there is objective evidence of impairment, the Group and the Institution consider factors such as the probability of insolvency or significant financial difficulties of the receivable and default or significant delay in payments.

Where there is objective evidence of impairment, the amount and timing of future cash flows are estimated based on historical loss experience for assets with similar credit risk characteristics.

(iii) Income taxes

Judgement is involved in determining the provision for income taxes. There are certain transactions and computations for which the ultimate tax determination is uncertain during the ordinary course of business.

The Group and the Institution recognise liabilities for expected tax issues based on estimates of whether additional taxes will be due. Where the final tax outcome of these matters is different from the amounts that were initially recognised, such differences will impact the income tax and deferred tax provisions in the period in which such determination is made.



(iv) Deferred tax assets and liabilities

Deferred tax implications arising from the changes in corporate income tax rates are measured with reference to the estimated realisation and settlement of temporary differences in the future periods in which the tax rates are expected to apply, based on the tax rates enacted or substantively enacted at the statements of financial position date. While management's estimates on the realisation and settlement of temporary differences are based on the available information at the statements of financial position date, changes in business strategy, future operating performance and other factors could potentially impact on the actual timing and amount of temporary differences realised and settled. Any difference between the actual amount and the estimated amount would be recognised in the profit or loss in the period in which actual realisation and settlement occurs.

2. Summary of significant accounting policies

(a) Business combinations and consolidation

(i) Business combinations

The Group applies the acquisition method to account for all business combinations. If the acquisition of an assets or of assets does not constitute a business, it is accounted for as an asset acquisition.

The Group identifies the acquisition date of a business combination as the date on which the Group obtains control of an acquiree. Control is obtained when the Group commence to have the power to direct financial and operating policy decisions of the investee so as to obtain benefits from its activities. This may require fulfilment of precedent conditions, such as completion of due diligence audit, and shareholder's approvals if they are specified in a sale and purchase agreement.

As of the acquisition date, the Group recognises, separately from goodwill, the identifiable assets acquired (including identifiable intangible assets), the liabilities assumed (including contingent liabilities) and any non-controlling interest in the acquiree. The identifiable assets acquired and liabilities assumed are measured their acquisition - date fair values, except for those permitted or required to be measured on other bases by MPERS. Non-controlling interest at the acquisition date is measured at its acquisition date share of net assets, excluding goodwill.

The costs of a business combination is measured at fair value, calculated as the sum of the acquisition-date fair value of assets transferred (including contingent consideration), the liabilities incurred to former owners of the acquiree and the equity instruments issued by the Group. Expenses incurred in connection with a business combination are capitalised in the cost of business combination.

The cost of a business combination is allocated to the share of net assets acquired to determine the initial amount of goodwill on combination. In a business combination achieved in stages (including acquisition of a former associate or a former joint venture), the cost of each exchange transaction is compared with the share of net assets to determine the goodwill of each exchange transaction on a step-by-step basis. Any increase in equity interest in an investee after the acquisition date is accounted as an equity transaction between the parent and the non-controlling interest and the effect is adjusted directly in equity.

In the initial accounting for a business combination is not complete by the end of the reporting period in which the combination occurs, the Group uses provisional fair value amounts for the items which the accounting is incomplete. The provisional amounts are adjusted to reflect new information obtained about facts and circumstances that existed as the acquisition date, including additional assets or liabilities identified in the measurement period. The measurement period for completion of the initial accounting ends after one year from the acquisition date.

(ii) Subsidiaries and basis of consolidation

The Group recognises a subsidiary based on the criterion of control. A subsidiary is an entity (including special purpose entities) over which the Group has the power to govern the financial and operating policy decisions of the investee so as to obtain benefits from its activities. In circumstances when the voting right's are not more than half or when voting rights are not the dominant determinant of control, the Group uses judgements to assess whether it has de facto control, control by other arrangements (including control of special purpose entities), or by holding substantive potential voting rights.

The financial statements of the Institution and all its subsidiaries used in the preparation of the consolidated financial statements are prepared as of the same reporting date. The consolidated financial statements are prepared using uniform accounting policies for like transactions, other events and conditions in similar circumstances.

The carrying amount of investments in each subsidiary of a parent in the Group is eliminated against the parent's portion of equity in each subsidiary. The consolidated financial statements combine like items of assets, liabilities, equity, income, expenses and cash flows of the Institution and all its subsidiaries. The results of subsidiaries acquired or disposed of during the year are included in the consolidated statement of income and expenditure from the effective date of acquisition (which is the date the group assumes control of an investee) or up to effective date (which is the date group ceases to have control of an investee).



All intra-group balance and transactions are eliminated in full on consolidation. Unrealised profits or losses arising from intra-group transactions are also eliminated in full on consolidation, except when an unrealised loss is an impairment loss.

When the Group ceases to control a subsidiary, the difference between the proceeds from the disposal of the subsidiary and its carrying amount at the date control is lost is recognised in profit or loss in the statements of income and expenditure as a gain or loss on disposal of the subsidiary. The cumulative amount of any exchange differences that relate to a foreign subsidiary recognised in other comprehensive income is not reclassified to profit or loss on disposal of the subsidiary. If the Group retains an equity interest in the former subsidiary, it is accounted for as a financial assets (provided it does not become an associate or a joint venture). The carrying amount of the investment retained at the date that the entity ceases to be a subsidiary is regarded as the cost on initial measurement of the financial assets.

Any decrease in equity stake in a subsidiary that does not result in a loss of control is accounted for as an equity transaction and the financial effect is adjusted directly in the consolidated statements of recognised gains and losses.

(b) Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated depreciation and accumulated impairment losses. The policy of recognition and measurement of impairment losses is in accordance with Note 2 (l).

(i) Recognition and measurement

Cost includes purchase price for purchased assets, any other costs directly attributable in bringing the asset to its present location and condition for its intended use, cost of replacing component parts of the assets, and the present value of the expected cost for the decommissioning of the assets after their use. The cost of self-constructed assets also includes the cost of materials and direct labour. Borrowing cost and all other repair and maintenance costs are recognised in income and expenditure as incurred.

The cost of property, plant and equipment recognised as a result of a business combination is based on fair value at acquisition date. The fair value of property is the estimated amount for which a property could be exchanged on the date of valuation between a willing buyer and a willing seller in an arm's length transaction after proper marketing wherein the parties had each acted knowledgeably, prudently and without compulsion. The fair value of other items of plant and equipment is based on the quoted market prices for similar items.

When significant parts of an item of property, plant and equipment have different useful lives, they are accounted for as separate items (major components) of property, plant and equipment.

Property, plant and equipment are derecognised upon disposal or when no future economic benefits are expected from its use or disposal. Gains or losses arising on the disposal of property, plant and equipment are determined as the difference between the disposal proceeds and the carrying amount of the assets and are recognised in income and expenditure.

(ii) Subsequent costs

The cost of replacing part of an item of property, plant and equipment is recognised in the carrying amount of the item if it is probable that the future economic benefits embodied within the part will flow to the Group and the Institution and its cost can be measured reliably. The costs of the day-to-day servicing of property, plant and equipment are recognised in the profit or loss as incurred. Investment property whose fair value cannot be measured reliably without undue cost or effort is measured on the cost model.

(iii) Depreciation

Depreciation is recognised in the profit or loss on straight line basis to write off the cost or valuation of each asset to its residual value over its estimated useful life. Freehold land is not depreciated. Leased assets are depreciated over the shorter of the lease term and their useful lives. Property, plant and equipment under construction are not depreciated until the assets are ready for its intended use.

Property, plant and equipment are depreciated based on the estimated useful lives of the assets as follows:

Freehold buildings	2%
Leasehold land and buildings	2%
Furniture and fittings	5% - 20%
Office equipments	10% - 20%
Library books	10%
Library software	10%
Building renovation	5%
Lift	10%



The residual values, useful lives and depreciation method are reviewed at each reporting period end to ensure that the amount, method and period of depreciation are consistent with previous estimates and the expected pattern of consumption of the future economic benefits embodied in the property, plant and equipment.

An item of property, plant and equipment is derecognised upon disposal or when no future economic benefits are expected from its use or disposal. Any gain or loss on derecognition of the asset is included in the profit or loss in the year the asset is derecognised.

(c) Investment properties

Investment properties are properties which are held either to earn rental income or for capital appreciation.

Properties which are occupied by the Institution are accounted for using cost model as undue cost of no material benefit to the member is required, if an independent valuation is carried out.

Investment properties are stated at cost less accumulated depreciation and accumulated impairment losses, consistent with the accounting policies for property, plant and equipment.

Depreciation of the leasehold land and building is charged to statements of income and expenditure on a straight line basis over the estimated useful lives of 99 years and 50 years respectively.

Investment properties are derecognised when they have been disposed of or when investment properties is permanently withdrawn from use and no future economic benefit is expected from its disposal. Any gain or loss on the retirement or disposal of an investment property is recognised in statements of income and expenditure in the year of retirement or disposal.

(d) Goodwill

Goodwill is initially measured at cost. Following initial recognition, goodwill is measured at cost less accumulated amortisation and accumulated impairment losses.

Amortisation is based on the cost of an asset less its residual value and is recognised in profit or loss on a straight line basis over a period of 10 years.

For the purpose of impairment testing, goodwill acquired is allocated, from the acquisition date, to each of the Company's cash-generating units that are expected to benefit from the synergies of the combination.

The cash-generating unit to which goodwill has been allocated is tested for impairment annually and whenever there is an indication that the cash-generating unit may be impaired, by comparing the carrying amount of the cash-generating unit, including the allocated goodwill, with the recoverable amount of the cash-generating unit. Where the recoverable amount of the cash-generating unit is less than the carrying amount, an impairment loss is recognised in the profit or loss. Impairment losses recognised for goodwill are not reversed in subsequent periods.

Where goodwill forms part of a cash-generating unit and part of the operation within that cash-generating unit is disposed of, the goodwill associated with the operation disposed of is included in the carrying amount of the operation when determining the gain or loss on disposal of the operation. Goodwill disposed of in this circumstance is measured based on the relative fair values of the operations disposed of and the portion of the cash-generating unit retained.

(e) Financial instruments

Financial assets and financial liabilities, are recognised on the statements of financial position when, and only when, the Group and the Institution become a party to the contractual provisions of the financial instrument.

Financial assets and financial liabilities are initially recognised at the transaction price plus transaction costs if they are not measured at fair value through profit or loss unless the arrangement constitutes, in effect, a financing transaction. Financial assets and financial liabilities that constitute a financing transaction are measured at the present value of the future payments discounted at a market rate of interest for a similar debt instrument. Transaction costs for financial assets and financial liabilities at fair value through profit or loss are recognised in income and expenditure in period in which they are incurred.

The Group and the Institution classify their financial assets and financial liabilities into the following categories:

(i) Financial assets and financial liabilities at fair value through profit or loss

After initial recognition, financial assets and financial liabilities are measured at fair value with any gains or losses arising from changes in the fair values recognised in income and expenditure in the period in which the changes arise. If the fair value cannot be measured reliably without undue cost or effort, the financial assets is subsequently measured at cost less impairment.



(ii) Financial assets and financial liabilities measured at amortised cost

After initial recognition, financial assets and financial liabilities are measured at amortised cost using the effective interest method. Financial assets are reviewed at the end of each reporting period to determine whether there is any indication of impairment. Gains and losses are recognised in profit or loss when the financial assets and financial liabilities are derecognised or impaired, and through the amortisation process.

A financial asset or part of it is derecognised when, and only when, the contractual rights to receive cash flows from the financial asset has expired or has been settled, or control of the asset is not retained or the Group and the Institution have transferred substantially all risks and rewards of ownership. On derecognition of a financial asset, the difference between the carrying amount and the sum of consideration received, including any newly created rights and obligations, is recognised in income and expenditure.

A financial liability or part of it is derecognised when, and only when, the obligation specified in the contract is discharged or cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as a derecognition of the original liability and the recognition of a new liability, and the difference in the respective carrying amounts is recognised in income and expenditure.

(f) Offsetting of financial instruments

Financial assets and financial liabilities are offset and the net amount is reported in the statements of financial position if, and only if, there is a currently enforceable legal right to offset the recognised amounts and there is an intention to settle on a net basis, or to realise the assets and settle the liabilities simultaneously.

(g) Subscription in arrears

Subscription in arrears of one year and more and where, in the opinion of the Council, are no longer recoverable from its members are written off to the statements of income and expenditure.

(h) Cash and cash equivalents

Cash and cash equivalents consist of cash on hand, balances and deposits with banks and highly liquid investments which have an insignificant risk of changes in fair value with original maturities of three months or less, and are used by the Group and the Institution in the management of their short-term commitments. For the purpose of the statement of cash flows, cash and cash equivalents are presented net of bank overdrafts and pledged deposits.

(i) Capital reserve fund

Fund raised from members for the purchase of property, plant and equipment are capitalised as Capital Reserve Fund.

(j) Library fund

Enrolment fee received from corporate members for library membership of the Institution and donation received from members or non-members for capital expenditure of the library are capitalised as Library Fund.

(k) Building fund

Funds and donations received from members for the purchase of Wisma IEM are capitalised in Building Fund. A separate bank account has been kept for the fund.

(l) Stem fund

STEM stands for Science, Technologies Engineer Malaysia. It is a fund collected from members for student.

(m) Impairment of assets

(i) Non-financial assets

The carrying amounts of non-financial assets (except for inventories, amount due from contract customers, deferred tax assets, and investment property measured at fair value) are reviewed at the end of each reporting period to determine whether there is any indication of impairment. If any such indication exists, the asset's recoverable amount is estimated.

For the purpose of impairment testing, assets are grouped together into the smallest group of assets that generates cash inflows from continuing use that are largely independent of the cash inflows of other assets or cash-generating units. For the purpose of goodwill impairment testing, cash-generating units to which goodwill has been allocated are aggregated so that the level at which impairment testing is performed reflects the lowest level at which goodwill is monitored for internal reporting purposes. The goodwill acquired in a business combination, for the purpose of impairment testing, is allocated to a cash-generating unit or a group of cash-generating units that are expected to benefit from the synergies of the combination.



The recoverable amount of an asset or cash-generating unit is the higher of fair value less costs to sell and its value-in-use. In assessing value-in-use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset or cash-generating unit.

An impairment loss is recognised if the carrying amount of an asset or cash-generating unit exceeds its estimated recoverable amount. Impairment loss is recognised in profit or loss, unless the asset is carried at a revalued amount, in which such impairment loss is recognised directly against any revaluation surplus for the asset to the extent that the impairment loss does not exceed the amount in the revaluation surplus for that same asset. Impairment losses recognised in respect of cash-generating units are allocated first to reduce the carrying amount of any goodwill allocated to the cash-generating unit (group of cash-generating units) and then to reduce the carrying amounts of the other assets in the cash-generating unit (group of cash-generating units) on a pro rata basis.

An impairment loss in respect of goodwill is not reversed. In respect of other assets, impairment losses recognised in prior periods are assessed at the end of each reporting period for any indications that the loss has decreased or no longer exists. An impairment loss is reversed only if there has been a change in the estimates used to determine the recoverable amount since the last impairment loss was recognised. The reversal is limited so that the carrying amount of the asset does not exceed its recoverable amount, nor exceed the carrying amount that would have been determined, net of depreciation or amortisation, had no impairment loss been recognised for asset in prior years. Such reversal is recognised in the profit or loss unless the asset is carried at a revalued amount, in which case the reversal is treated as a revaluation increase.

(ii) Financial assets

All financial assets, other than those categorised as fair value through profit or loss, investments in subsidiary companies, associates and joint ventures are assessed at each reporting date whether there is any objective evidence of impairment as a result of one or more events having an impact on the estimated future cash flows of the asset.

To determine whether there is objective evidence that an impairment loss on financial assets has been incurred, The Education Fund considers factors such as the probability of insolvency or significant financial difficulties of the receivable and default or significant delay in payments. For certain categories of financial assets, such as trade receivables, assets that are assessed not to be impaired individually are subsequently assessed for impairment on a collective basis based on similar risk characteristics. Objective evidence of impairment for a portfolio of receivables could include the Group's past experience of collecting payments, an increase in the number of delayed payments in the portfolio past the average credit period and observable changes in national or local economic conditions that correlate with defaults on receivables.

If any such evidence exists, the amount of impairment loss is measured as the difference between the assets' carrying amount and the present value of estimated future cash flows (excluding future expected credit losses that have not yet been incurred) discounted at the financial asset's original effective interest rate. The carrying amount of the asset is reduced through the use of an allowance account and the amount of impairment loss is recognised in profit or loss. Receivables together with the associated allowance are written off when there is no realistic prospect of future recovery.

If, in a subsequent period, the amount of the impairment loss decreases and the decrease can be related objectively to an event occurring after the impairment was recognised in profit or loss, the impairment loss is reversed, to the extent that the carrying amount of the asset does not exceed what the carrying amount would have been had the impairment not been recognised at the date the impairment is reversed. The amount of reversal is recognised in income and expenditure.

(n) Revenue and other income

(i) Member's subscription fee

Member's subscription fee is payable annually at the beginning of the financial year. Only that subscription which is attributable to the current financial year is recognised as income. Subscription relating to periods beyond the current financial year is taken up in the statements of financial position as subscription in advance under current liabilities. Subscription is payable in full irrespective of the date of resignation of members during the financial year.

(ii) Advertisement in Bulletin/Journal

Advertisement income receivable for the placement of advertisement in bulletin/journal published by the Institution is recognised when the right to receive payment is established.

(iii) Rental income

Rental income is recognised when the right to receive payment is established.

(iv) Credit cards commission

Credit cards commission from the banks are recognised when the right to receive payment is established.



(v) Interest Income

Interest income is recognised on accruals basis using the effective interest method.

(vi) Dividend income

Dividend income is recognised when the right to received payment is established.

(o) Employee benefits expense

(i) Short term employee benefits

Wages, salaries, bonuses and social security contributions are recognised as an expense in the reporting period in which the associated services are rendered by employees of the Group and of the Institution. Short term accumulating compensated absences such as paid annual leave are recognised when services are rendered by employees that increase their entitlement to future compensated absences. Short term non-accumulating compensated absences such as sick and medical leave are recognised when the absences occur.

The expected cost of accumulating compensated absences is measured as additional amount expected to be paid as a result of the unused entitlement that has accumulated at the end of the reporting period.

(ii) Defined contribution plans

As required by law, companies in Malaysia contribute to the state pension scheme, the Employee Provident Fund ("EPF"). Such contributions are recognised as an expense in the profit or loss as incurred. Once the contributions have been paid, the Group and the Institution have no further payment obligations.

(p) Borrowing costs

Borrowing costs are recognised in profit or loss in the period in which they are incurred. Borrowing costs consist of interest and other costs that the Group and the Institution incurred in connection with the borrowing of funds.

(q) Tax expense

Tax expense in income and expenditure comprises current and deferred tax. Current tax and deferred tax is recognised in income and expenditure.

Current tax is the expected tax payable or receivable on the taxable income or loss for the financial year, using tax rates enacted or substantively enacted by the end of the reporting period, and any adjustment to tax payable in respect of previous years.

Deferred tax is recognised using the liability method for all temporary differences between the carrying amounts of assets and liabilities in the statement of financial position and their tax bases. Deferred tax is not recognised for the temporary differences arising from the initial recognition of goodwill, the initial recognition of assets and liabilities in a transaction which is not a business combination and that affects neither accounting nor taxable profit or loss. Deferred tax is measured at the tax rates that are expected to be applied to the temporary differences when they reverse, based on the laws that have been enacted or substantively enacted by the end of the reporting period.

A deferred tax asset is recognised to the extent that it is probable that future taxable profits will be available against which the temporary difference can be utilised. Deferred tax assets are reviewed at the end of each reporting period and are reduced to the extent that it is no longer probable that the related tax benefit will be realised.



3. Property, plant and equipment

Group 2019	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Web development RM	Total RM
Cost											
At 1 January	330,279	1,991,999	15,525,761	392,091	2,396,119	319,971	42,077	1,631,642	231,650	80,800	22,942,389
Additions	-	-	-	18,040	57,461	-	-	388,786	-	-	464,287
At 31 December	330,279	1,991,999	15,525,761	410,131	2,453,580	319,971	42,077	2,020,428	231,650	80,800	23,406,676

Group 2019	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Web development RM	Total RM
Accumulated depreciation											
At 1 January	-	79,559	3,770,422	267,276	1,963,646	319,776	21,037	697,013	185,321	-	7,304,050
Charge for the financial year	-	39,840	310,515	14,938	82,041	98	4,207	99,440	23,165	-	574,244
At 31 December	-	119,399	4,080,937	282,214	2,045,687	319,874	25,244	796,453	208,486	-	7,878,294

Group 2019	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Web development RM	Total RM
Carrying amount											
At 31 December	330,279	1,872,600	11,444,824	127,917	407,893	97	16,833	1,223,975	23,164	80,800	15,528,382

Group 2018	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Web development RM	Total RM
Cost											
At 1 January	330,279	1,991,999	15,525,761	357,511	2,317,500	319,971	42,077	1,399,968	231,650	80,800	22,597,516
Additions	-	-	-	34,580	78,619	-	-	231,674	-	-	344,873
At 31 December	330,279	1,991,999	15,525,761	392,091	2,396,119	319,971	42,077	1,631,642	231,650	80,800	22,942,389

Group 2018	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Web development RM	Total RM
Accumulated depreciation											
At 1 January	-	39,719	3,462,747	253,821	1,888,908	319,678	16,831	627,594	162,155	-	6,771,453
Charge for the financial year	-	39,840	307,675	13,455	74,738	98	4,206	69,419	23,166	-	532,597
At 31 December	-	79,559	3,770,422	267,276	1,963,646	319,776	21,037	697,013	185,321	-	7,304,050

Group 2018	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Web development RM	Total RM
Carrying amount											
At 31 December	330,279	1,912,440	11,755,339	124,815	432,473	195	21,040	934,629	46,329	80,800	15,638,339

Institution 2019	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Total RM
Cost										
At 1 January	330,279	1,991,999	15,525,761	371,534	2,139,389	319,971	42,077	1,512,936	231,650	22,465,596
Additions	-	-	-	18,040	56,550	-	-	388,786	-	463,376
At 31 December	330,279	1,991,999	15,525,761	389,574	2,195,939	319,971	42,077	1,901,722	231,650	22,928,972

Institution 2019	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Total RM
Accumulated depreciation										
At 1 January	-	79,559	3,770,422	256,371	1,760,234	319,776	21,037	667,185	185,321	7,059,905
Charge for the financial year	-	39,840	310,515	13,636	69,087	98	4,207	75,920	23,165	536,468
At 31 December	-	119,399	4,080,937	270,007	1,829,321	319,874	25,244	743,105	208,486	7,596,373

Institution 2019	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Total RM
Carrying amount										
At 31 December	330,279	1,872,600	11,444,824	119,567	366,618	97	16,833	1,158,617	23,164	15,332,599



Institution 2018	Freehold land RM	Freehold buildings RM	Leasehold land and buildings RM	Furniture and fittings RM	Office equipment RM	Library books RM	Library software RM	Building renovation RM	Lift RM	Total RM
Cost										
At 1 January	330,279	1,991,999	15,525,761	340,280	2,085,329	319,971	42,077	1,281,262	231,650	22,148,608
Additions	-	-	-	31,254	54,060	-	-	231,674	-	316,988
At 31 December	330,279	1,991,999	15,525,761	371,534	2,139,389	319,971	42,077	1,512,936	231,650	22,465,596
Accumulated depreciation										
At 1 January	-	39,719	3,462,747	244,254	1,699,056	319,678	16,831	609,636	162,155	6,554,076
Charge for the financial year	-	39,840	307,675	12,117	61,178	98	4,206	57,549	23,166	505,829
At 31 December	-	79,559	3,770,422	256,371	1,760,234	319,776	21,037	667,185	185,321	7,059,905
Carrying amount										
At 31 December	330,279	1,912,440	11,755,339	115,163	379,155	195	21,040	845,751	46,329	15,405,691

Note:

- (i) As at 31 December 2019, the document of title in respect of properties with an aggregate carrying amount of RM529,953 (2018: RM529,953) has yet to be issued by the authorities.
- (ii) Included in leasehold land and buildings are assets with a total carrying amount of RM10,787,472 (2018: RM11,072,282) which have been pledged to licensed banks as security for term loan facilities granted to the Institution as disclosed in Note 17 to the financial statements.
- (iii) Fully depreciated property, plant and equipment which are still in use are as follows:

	Group		Institution	
	2019 RM	2018 RM	2019 RM	2018 RM
Furniture and fittings	179,735	177,915	179,735	177,915
Office equipment	1,518,176	1,463,869	1,518,176	1,463,869
Library books	318,996	318,996	318,996	318,996
Building renovation	265,763	284,174	265,763	284,174
	2,282,670	2,244,954	2,282,670	2,244,954

4. Investment properties

	Group and Institution	
	2019 RM	2018 RM
Leasehold land and buildings Cost		
At 1 January/31 December	3,886,559	3,886,559
Accumulated depreciation		
At 1 January	308,237	153,862
Charge for the financial year	77,731	154,375
At 31 December	385,968	308,237
Carrying amount		
At 31 December	3,500,591	3,578,322

Note:

- (i) Investment properties is carried at cost as the Institution does not engage an independent valuer because undue cost may be required.
- (ii) As at 31 December 2019, the document of title in respect of properties with an aggregate carrying amount of RM39,985 (2018: RM39,985) has yet to be issued by the authorities.



5. Investment in subsidiaries

	Institution	
	2019 RM	2018 RM
Unquoted shares, at cost	200,000	200,000

Details of the investment in subsidiary is as follows:

Name of subsidiary	Principal Activities	Country of Incorporation	Effective ownership interest 2019 %	Effective ownership interest 2018 %
IEM Training Centre Sdn. Bhd. *	Organising conferences, seminars and trainings	Malaysia	100	100
IEM Academy Sdn. Bhd. *	Provide competency and certification training programmes	Malaysia	100	99.98

* All subsidiaries are audited by PKF.

6. Deferred tax (asset)/liabilities

	Group	
	2019 RM	2018 RM
At 1 January	(736,691)	13,601
Recognised in profit or loss (Note 24)	(193,540)	(750,292)
At 31 December	(930,231)	(736,691)

	Provision	Property, plant and equipment	Total
	RM	RM	RM
Deferred tax liabilities of the Group:			
At 1 January 2019	132,880	968	133,848
Recognised in profit or loss	80,096	4,581	84,677
At 31 December 2019	212,976	5,549	218,525
At 1 January 2018	-	13,997	13,997
Recognised in profit or loss	132,880	(13,029)	119,851
At 31 December 2018	132,880	968	133,848
Deferred tax assets of the Group:			
At 1 January 2019	(870,539)		
Recognised in profit or loss	456,261		
At 31 December 2019	(414,278)		
At 1 January 2018	(396)		
Recognised in profit or loss	(870,143)		
At 31 December 2018	(870,539)		

7. Goodwill

	Group	
	2019 RM	2018 RM
Goodwill on consolidation	65,588	65,588



8. Trade and non-trade receivables

	Group		Institution	
	2019 RM	2018 RM	2019 RM	2018 RM
Subscription in arrears	448,789	372,050	301,645	372,050
Receivables	3,283,632	3,820,704	1,542,379	1,061,326
Less: Impairment				
At 1 January	(193,033)	(99,284)	(58,498)	-
Reversal	93,339	43,180	-	-
Addition	(22,013)	(136,929)	-	(58,498)
At 31 December	(193,033)	(193,033)	(58,498)	(58,498)
	3,090,599	3,627,671	1,483,881	1,002,828
Deposits	109,524	88,250	77,674	57,400
Prepayments	85,312	26,760	85,312	25,310
Amount due from a subsidiary	-	-	36,171	109,598
	3,671,015	4,114,731	1,984,683	1,567,186

Receivables are unsecured, interest-free and are receivable on demand.

The amount due from a subsidiary is non-trade in nature, unsecured, interest-free and is repayable on demand.

9. Fixed deposits with licensed banks

	Group		Institution	
	2019 RM	2018 RM	2019 RM	2018 RM
Maturities more than 3 months	3,859,184	3,767,799	3,662,133	2,782,571
Maturities less than 3 months	3,791,221	504,678	10,335	10,000
Less: Fixed deposits held in trust	(1,009,762)	(986,819)	(1,009,762)	(986,819)
	6,640,643	3,285,658	2,662,706	1,805,752

Included in cash and bank balances of the Institution are RM333,128 (2018: RM57,093) held as deposits for arbitration cases. The amount was deposited with licensed banks as fixed deposit to earn interest.

The effective interest rate of the fixed deposit ranges from 2.90% to 4.50% (2018: 2.9% to 4.50%) per annum. The maturity of deposits as at the end of the financial year was between 1 month to 12 months (2018: 1 month to 12 months).

10. Accumulated fund

	Note	Group		Institution	
		2019 RM	2018 RM	2019 RM	2018 RM
Opening balance		9,601,807	10,794,927	7,821,622	8,842,899
(Deficit)/Surplus for the financial year		27,324	(991,556)	(43,735)	(819,713)
		9,629,131	9,803,371	7,777,887	8,023,186
Transfer to:					
- Capital reserve fund	11	(68,447)	(14,604)	(68,447)	(14,604)
- Library fund	13	(37,150)	(63,944)	(37,150)	(63,944)
- Building fund	14	(117,444)	(123,016)	(117,444)	(123,016)
		9,406,090	9,601,807	7,554,846	7,821,622

11. Capital reserve fund

	Note	Group and Institution	
		2019 RM	2018 RM
Opening balance		3,305,582	3,349,478
Repayment of term loan by Sabah branch		343,500	160,000
Drawdown of repayment		(53,843)	(218,500)
Transfer from accumulated fund	10	68,447	14,604
		3,663,686	3,305,582



12. Capital contribution reserve

	Group and Institution	
	2019 RM	2018 RM
Opening balance	3,983,774	3,585,037
Entrance and transfer fees	278,580	398,737
	4,262,354	3,983,774

13. Library fund

	Note	Group and Institution	
		2019 RM	2018 RM
Opening balance		710,298	646,354
Transfer from accumulated fund	10	37,150	63,944
		747,448	710,298

14. Building fund

	Note	Group and Institution	
		2019 RM	2018 RM
Opening balance		3,479,809	3,356,793
Transfer from accumulated fund	10	117,444	123,016
		3,597,253	3,479,809

15. Stem fund

	Group and Institution	
	2019 RM	2018 RM
Opening balance	8,609	-
Transfer from accumulated fund	11,204	8,609
	19,813	8,609

16. Trade and non-trade payables

	Note	Group		Institution	
		2019 RM	2018 RM	2019 RM	2018 RM
Current:					
Subscription in advance		2,190,414	2,199,455	2,179,936	2,199,455
Trade and non-trade payables and accruals		1,305,323	752,682	1,060,214	695,835
Deposits refundable		742,971	276,624	742,971	276,624
Deferred revenue		5,370,335	3,614,000	-	-
Amounts due to IEM Education Fund (Note (i))		-	145,693	-	145,693
		9,609,043	6,988,454	3,983,121	3,317,607
Non-current:					
Amounts due to IEM Education Fund (Note (i))		373,153	893,774	373,153	893,774
		9,982,196	7,882,228	4,356,274	4,211,381



	Group		Institution	
	2019 RM	2018 RM	2019 RM	2018 RM
Note (i)				
Amount due to IEM Education Fund	497,703	1,220,772	497,703	1,220,772
Less: Amortised cost adjustment				
At 1 January	(181,305)	(234,671)	(181,305)	(234,671)
Add: Current year adjustment	56,755	53,366	56,755	53,366
At 31 December	(124,550)	(181,305)	(124,550)	(181,305)
	373,153	1,039,467	373,153	1,039,467

Representing:

Current	-	145,693	-	145,693
Non-current	373,153	893,774	373,153	893,774
	373,153	1,039,467	373,153	1,039,467

The amount for the non-current portion represents unsecured and interest-free advances with amortised cost adjustment at 6.35% (2018: 6.35%) per annum, which is payable at the end of financial year 2020.

17. Borrowings

	Group and Institution	
	2019 RM	2018 RM
Current		
Term loan - secured	92,858	86,437
Non-current		
Term loan - secured	1,206,445	1,273,128
	1,299,303	1,359,565
Repayable within one year	92,858	86,437
Repayable between one to two years	99,286	92,858
Repayable between two to five years	353,690	321,948
Repayable more than five years	753,469	858,322
	1,206,445	1,273,128
Total borrowings	1,299,303	1,359,565

Details of the repayment terms are as follows:

Term loan	Monthly installment	Number of monthly installment	Date of commencement of repayment	2019 Amount outstanding	2018 Amount outstanding
	RM	RM	RM	RM	RM
1	1,217	240	January 2010	175,279	158,239
2	13,357	180	September 2014	1,124,024	1,201,326
				1,299,303	1,359,565

Security

The term loans were secured via fixed charges over leasehold lands and buildings as mentioned in Note 3 to the financial statements.

The term loans are subject to interest rates ranging from Base Lending Rate 5.35% to 7.17% (2018: 5.35% to 7.17%) per annum.



18. Personnel emoluments and benefits

	Group		Institution	
	2019 RM	2018 RM	2019 RM	2018 RM
These represent expenses incurred in relation to:				
Salaries and wages	(2,037,446)	(2,472,852)	(1,720,525)	(2,072,556)
Staff allowance and ex-gratia	(201,649)	(256,080)	(201,649)	(254,162)
Overtime	(39,090)	(39,563)	(39,090)	(39,563)
EPF and SOCSO contributions	(307,444)	(441,041)	(225,253)	(378,457)
Medical expenses	(8,056)	(10,804)	(8,056)	(10,534)
Staff insurance	(10,678)	(3,144)	(10,678)	(3,144)
Staff training	(4,520)	(1,727)	(4,520)	(1,727)
Long service award	-	(500)	-	(500)
Staff trip	(25,860)	-	(25,860)	-
Others	(13,348)	(12,708)	(4,510)	(12,708)
	(2,648,091)	(3,238,419)	(2,240,141)	(2,773,351)

The total number of employees of the Group and of the Institution at 31 December 2019 was 58 and 51 (2018: 53 and 41) respectively.

19. Administrative expenses

	Group		Institution	
	2019 RM	2018 RM	2019 RM	2018 RM
These represent expenses incurred in relation to:				
Advertisement	(19,000)	(7,407)	-	(2,747)
Accountancy fee	(45,870)	(35,772)	-	(33,485)
AGGSEA expense	(5,500)	-	-	-
Auditors' remuneration	(44,510)	(45,000)	(29,000)	(31,000)
Annual dinner table	(5,000)	-	-	-
Annual general meeting	(16,910)	(11,651)	(16,910)	(11,651)
Bank charges	(19,591)	(24,097)	(18,558)	(14,481)
Balloting expenses	(17,651)	(28,123)	(17,651)	(28,123)
Commission	(6,400)	-	-	-
Credit card charges	(53,717)	(60,029)	(53,717)	(60,029)
Donation	(3,952)	(5,618)	-	-
Disbursement	(1,534)	-	-	-
E-perolehan renewal	-	(400)	-	-
Fine and penalty	(908)	(680)	(775)	(566)
Holding tax	(4,646)	(8,709)	-	-
HDRF fund	(3,000)	-	-	-
Insurance	(35,164)	(21,846)	(23,556)	(17,382)
Impairment of loss on receivable	(6,780)	(63,251)	-	-
Ipay charges	(7,451)	-	-	-
New year lunch	-	(2,290)	-	-
Mailing services	(55,327)	(71,962)	(55,327)	(71,962)
Miscellaneous	(75,987)	(147,323)	(75,987)	(101,721)
Maintenance	(75,732)	(30,680)	-	-
Marketing and promotion	(30,000)	(30,000)	(30,000)	(30,000)
Meeting allowance	(133)	(13,600)	-	-
Medical expenses	(1,169)	(1,441)	-	-
Non-refundable deposit	-	(32,500)	-	-
Overdraft charges	(15,672)	(15,091)	(15,672)	(15,091)
Office printing and stationery	(171,575)	(247,389)	(154,654)	(221,197)
Office equipment maintenance	(4,320)	(12,988)	(57,757)	(12,680)
Office expenses	(64,872)	(29,807)	(61,036)	(25,598)
Professional, legal fee and tax service fees	(47,338)	(40,973)	(24,556)	(25,012)
Postages	(282,770)	(363,947)	(281,217)	(363,072)
Phone allowance	(2,553)	(3,996)	-	-
Service charges	(91)	-	-	-
Stamp duty	(50)	(266)	(30)	-
SST expenses	(27,350)	(202)	-	-
Rental	(96,359)	(103,500)	-	-
Refreshment	(739)	(108)	-	-
Registration fee	(583)	(2,678)	-	-
Telephone, fax and internet	(52,703)	(49,209)	(45,984)	(42,328)
Transport and traveling	(78,368)	(72,149)	(77,183)	(68,521)
Training	(250)	-	-	-



Upkeep of furniture and fittings	(4,345)	(7,318)	-	-
Website maintenance	(106,750)	(38,000)	(85,274)	(83,218)
Water and electricity	(8,609)	(6,581)	-	-
	(1,501,229)	(1,636,581)	(1,124,845)	(1,259,864)

20. Branch subsidies

	Group and Institution	
	2019 RM	2018 RM
These represent subsidies given to the following branches:		
Negeri Sembilan branch	(18,699)	(25,095)
Southern branch	(40,977)	(51,714)
Perak branch	(26,373)	(46,120)
Penang branch	(35,641)	(51,095)
Malacca branch	(12,654)	(11,687)
Sarawak branch	(81,324)	(89,465)
Sabah branch	(54,425)	(54,827)
Miri branch	(14,361)	(21,435)
Kedah/Perlis branch	(16,992)	(24,423)
Kelantan branch	(7,713)	(6,109)
Terengganu branch	(5,589)	(8,560)
Pahang branch	(11,093)	(18,734)
Branch development fund	(126,000)	(9,000)
	(451,840)	(418,264)

These regional branches are separately registered with the Registrar of Societies, and file their annual return including the audited financial statements separately with the Registrar of Societies.

21. Inter-society activities

	Group and Institution	
	2019 RM	2018 RM
These represent subscriptions incurred in relation to:		
Balai Ikhtisas Malaysia (BIM)	-	(1,500)
World Federation of Engineering Organisations (WFEO)	(13,010)	(13,287)
ASEAN Federation of Engineering Organisation (AFEO)	-	(1,648)
Federation of Engineering Institutions of Asia and the Pacific (FEIAP)	(3,253)	(3,232)
Building Management Association of Malaysia (BMAM)	(500)	(500)
Malaysia Green Building Confederation (MGBC)	-	(133)
EAROPH	-	(260)
Malaysian Service Providers Confederation (MSPC)	(500)	(500)
SIRIM Technical Library	(2,000)	(1,000)
	(19,263)	(22,060)

22. Surplus from institutional services

	Note	Group and Institution	
		2019 RM	2018 RM
These represent income from the following:			
Council		(20,303)	(22,681)
Executive committee		(7,612)	(7,684)
Standing committee on:			
- Activities committee	25	122,577	17,933
- Admissions and practical training committee	26	100,453	44,038
- Examinations and qualifications committee	27	(48,606)	(103,091)
- Finance		8,133	(179)
- Professional practice		33,417	10,217
- Information and publications committee	28	70,450	74,877
- Welfare and service matters committee	29	(38,033)	(40,939)
- Corporate affairs committee	30	(96,555)	(86,612)
Technical divisions	31	383,295	558,314
Library committee		(34,560)	(92,096)
Young engineer section	32	(6,971)	(18,377)
Awards committee		(6,198)	(9,896)
Woman Engineers section		(33,944)	193,458
Ad Hoc Committee		3,344	(7)
		428,887	517,275



23. Surplus from rental income

	Note	Group and Institution	
		2019 RM	2018 RM
Rental Income:			
- Bangunan Ingenieur		221,646	230,646
- Wisma IEM		259,750	153,520
- Sabah Training Centre		263,000	264,000
		744,396	648,166
Less Expenditure:			
- Bangunan Ingenieur	33	(227,176)	(239,386)
- Wisma IEM	34	(224,975)	(234,530)
- Sabah Training Centre	35	(43,500)	(43,500)
- Depreciation			
- property, plant and equipment		(441,514)	(428,230)
- investment properties		(77,731)	(154,375)
- Finance Costs		(96,819)	(97,319)
		(1,111,715)	(1,197,340)
		(367,319)	(549,174)

24. Tax income

	Group		Institution	
	2019 RM	2018 RM	2019 RM	2018 RM
Current tax				
- current period	184,749	660,082	-	-
- (over)/under provision in prior year	(71,427)	10,620	-	-
	113,322	670,702	-	-
Deferred tax (note 16)				
- Current year	(198,234)	(736,309)	-	-
- Under/(Over) provision in prior year	4,694	(13,983)	-	-
	(193,540)	(750,292)	-	-
	(80,218)	(79,590)	-	-

For tax purposes, the Institution is treated as a "Trade Association" under Section 53(3) of the Income Tax Act, 1967 under which its income is taxed at scale rates.

Reconciliation of effective tax expense

	Group		Institution	
	2019 RM	2018 RM	2019 RM	2018 RM
(Deficit) before taxation	(222,092)	(1,272,710)	(212,933)	(1,021,277)
Income tax using statutory tax rate 24%	(53,302)	(305,450)	(51,104)	(245,106)
Reduction of tax rate on first RM 500,000 of chargeable income	(30,194)	(34,277)	-	-
Non-deductible expenses	67,594	269,188	51,104	245,106
Non-taxable income	-	(6,720)	-	-
Deferred tax assets not recognised during the year	2,417	1,032	-	-
	(13,485)	(76,227)	-	-
(Over)/Under provision of current tax in the prior year	(74,787)	10,620	-	-
Under/(Over) provision of deferred tax in the prior year	8,054	(13,983)	-	-
Tax income	(80,218)	(79,590)	-	-



25. Activities committee

	Group and Institution	
	2019 RM	2018 RM
These represent surplus/(deficit) from the following:		
Annual dinner	115,405	34,903
Souvenir costs	(686)	2,201
Seminar/Courses/Materials	(8,116)	(4,879)
Others	15,974	(14,292)
	122,577	(17,933)

26. Admissions and practical training committee

	Group and Institution	
	2019 RM	2018 RM
These represent surplus from the following:		
Meeting	(2,457)	(4,889)
Printing/Circulars	(184)	(5,388)
Miscellaneous	6,447	(8,586)
Membership Drive	(12,277)	(17,279)
CPD income	135,881	98,074
CPD expenses	(7,223)	(2,913)
Incentive for university	(20,715)	(24,965)
Others	981	9,984
	100,453	44,038

27. Examinations and qualifications committee

	Group and Institution	
	2019 RM	2018 RM
These represent (deficit)/surplus from the following:		
Professional interview fee	167,734	135,972
Professional interviewers' fee	(220,057)	(209,404)
PI Workshop	27,875	15,669
Meeting	(1,883)	(3,785)
Other expenses	(22,275)	(41,543)
	(48,606)	(103,091)

28. Information and publications committee

	Group and Institution	
	2019 RM	2018 RM
These represent surplus from the following:		
Advertisements in bulletin	72,000	78,000
Meeting	(1,760)	(1,410)
Sale of the travel story book	50	-
Sale of Bamboo Books	210	-
Others	(50)	(1,713)
	70,450	74,877

29. Welfare and service matters committee

	Group and Institution	
	2019 RM	2018 RM
These represent deficit from the following:		
Benevolent Income	24,188	31,768
Engineering Week	(15,397)	(9,412)
Other income	-	2,410
Meeting	(711)	(607)
Professional insurances indemnity	1,432	-
Prize for SPM/STPM achievers	(5,400)	(5,300)
Miscellaneous	(30)	-
IEM Family Day	(41,215)	(53,974)
Jurutera Wargamas	-	(5,824)
Employment Survey	(900)	-
	(38,033)	(40,939)



30. Corporate affairs committee

	Group and Institution	
	2019 RM	2018 RM
These represent deficit from the following:		
Attending seminars and conference	(69,523)	(56,663)
Public relation	(2,128)	(5,778)
Overseas visitors	(5,784)	(339)
Local social functions	(17,008)	(19,768)
Others	(2,112)	(4,064)
	(96,555)	(86,612)

31. Technical divisions

	Group and Institution	
	2019 RM	2018 RM
These represent surplus/(deficit) from the following:		
Geotechnical Engineering Technical Division	34,434	11,195
Chemical Engineering Technical Division	(11,855)	(15,757)
Project Management Technical Division	74,351	14,260
Building Services Engineering Technical Division	79,969	65,034
Mechanical Engineering Technical Division	4,017	(13,123)
Civil and Structural Engineering Technical Division	101,105	58,540
Electrical Engineering Technical Division	18,357	154,817
Water Resources Technical Division	(4,541)	4,214
Oil & Gas and Mining Engineering Technical Division	14,764	1,747
Environmental Engineering Technical Division	40,480	(4,160)
Highway and Transportation Engineering Technical Division	3,276	17,510
Engineering Education Technical Division	5,539	1,200
Information Technology Special Interest Group	8,549	3,587
Agricultural and Food Engineering Technical Division	8,728	6,524
Tunneling and Underground Space Engineering Technical Division	(61,311)	73,194
Electronic Engineering Technical Division	-	-
Marine Engineering & Naval Architecture Technical Division	827	1,351
Public Sector Engineers Special Interest Group	11,455	(690)
Consulting Engineers Special Interest Group	234	(2,981)
Urban Engineers development SIG	27	(2,061)
Senior SIG	3,445	(1,420)
Technical divisions incentive account	51,445	185,333
	383,295	558,314

32. Young engineer section

	Group and Institution	
	2019 RM	2018 RM
These represent income incurred in relation to:		
Income		
- Courses, seminar & other activities	37,759	27,787
- Sales of Code of Ethics	-	30
- Interest income on fixed deposits	-	7,782
	37,759	35,599
Less: Expenditure		
- AGM and Annual Dinner	-	(2,310)
- YEAFEO	-	(1,000)
- Printing and photocopying	-	(1,200)
- Courses/Seminars and activities	-	(10,741)
- Others	(44,730)	(38,725)
	(44,730)	(53,976)
	(6,971)	(18,377)



33. Bangunan Ingenieur

	Group and Institution	
	2019 RM	2018 RM
These represent expenses incurred in relation to:		
License fee	(300)	(1,405)
Quit rent and assessment	(16,217)	(16,217)
Insurance	(3,224)	(3,180)
Building repairs and maintenance	(32,475)	(43,408)
Building security	(82,535)	(85,287)
Utilities	(92,425)	(89,889)
	(227,176)	(239,386)

34. Wisma IEM

	Group and Institution	
	2019 RM	2018 RM
These represent expenses incurred in relation to:		
License fee	-	(610)
Building security	(94,502)	(87,703)
Quit rent and assessment	(32,080)	(32,080)
Insurance	(9,974)	(11,359)
Building repairs and maintenance	(30,996)	(63,159)
Utilities	(55,683)	(39,619)
Fire fighting	(1,740)	-
	(224,975)	(234,530)

35. Sabah Training Centre

	Group and Institution	
	2019 RM	2018 RM
These represent expenses incurred in relation to:		
Building repairs and maintenance	(43,500)	(43,500)

36. Financial instruments

The table below provides an analysis of financial instruments categorised as follows:

a) Financial assets and financial liabilities measured at amortised cost ("AC")

Group	Carrying amount RM	AC RM
2019 Financial assets		
Trade and non-trade receivables (excluding prepayments)	3,585,703	3,585,703
Fixed deposits with licensed bank	6,640,643	6,640,643
Cash and bank balances	3,078,958	3,078,958
	13,305,304	13,305,304
Financial liabilities		
Trade and non-trade payables	9,982,196	9,982,196
Borrowings	1,299,303	1,299,303
	11,281,499	11,281,499



Group

2018 Financial assets

Trade and non-trade receivables (excluding prepayments)	4,087,971	4,087,971
Fixed deposits with licensed bank	3,285,658	3,285,658
Cash and bank balances	3,248,926	3,248,926

10,622,555 10,622,555

Financial liabilities

Trade and non-trade payables	7,882,228	7,882,228
Borrowings	1,359,565	1,359,565

9,241,793 9,241,793

Institution

2019 Financial assets

Trade and non-trade receivables (exclude prepayments)	1,899,371	1,899,371
Fixed deposits with licensed banks	2,662,706	2,662,706
Cash and bank balances	1,711,539	1,711,539

6,273,616 6,273,616

Financial liabilities

Trade and non-trade payables	4,356,274	4,356,274
Borrowing	1,299,303	1,299,303

5,655,577 5,655,577

2018 Financial assets

Trade and non-trade receivables (exclude prepayments)	1,541,876	1,541,876
Fixed deposits with licensed banks	1,805,752	1,805,752
Cash and bank balances	2,076,725	2,076,725

5,424,353 5,424,353

Financial liabilities

Trade and non-trade payables	4,211,381	4,211,381
Borrowings	1,359,565	1,359,565

5,570,946 5,570,946

Net gain and losses arising from financial instruments

	2019	2018
	RM	RM

Net (losses)/gain arising from:

Group

Financial asset at amortised cost

Impairment loss on receivables	22,013	136,929
Reversal of impairment loss on trade receivables	(93,339)	(43,180)
Interest income	(175,367)	(109,441)

(246,693) (15,692)

Financial liabilities at amortised cost

Subscription in arrears written off	127,567	274,455
Amortised cost adjustment	56,755	53,366
Interest expenses	96,819	97,319

281,141 425,140

34,448 409,448



	2019 RM	2018 RM
Net (losses)/gains arising from:		
Institution		
Financial asset at amortised cost		
Impairment loss on receivables	-	58,498
Interest income	(87,284)	(62,775)
	(87,284)	(4,277)
Financial liabilities at amortised cost		
Interest expense	96,819	97,319
	96,819	97,319
	9,535	93,042

37. General information

The Institution of Engineers, Malaysia is a registered institution registered under the Societies Act, 1966 and domiciled in Malaysia.

The principal activities of the Institution are to promote and advance the science and profession of all aspects of engineering. The principal activities of the subsidiaries are disclosed in Note 5 of the financial statements.

There has been no significant change in the nature of the activities of the Group and of the Institution during the financial year.

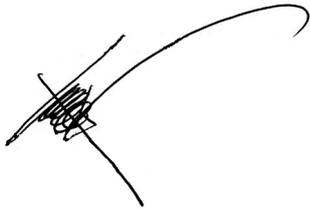
The registered office and principal place of business of the Institution are located at Bangunan Ingenieur, Lot 60&62, Jalan 52/4, Peti Surat 223, Jalan Sultan, 46720 Petaling Jaya, Selangor Darul Ehsan.

The financial statements were approved and authorised for issue by the Council of Institution on 16 March 2020.

STATEMENT BY THE COUNCIL

In the opinion of the Council, the financial statements as set out on pages 158 to 181 are prepared, in all material respects, in accordance with the Malaysian Private Entities Reporting Standard ("MPERS") and the rules of The Institution of Engineers, Malaysia.

Signed on behalf of the Council,



.....
Ir. DAVID LAI KONG PHOOI
President

Petaling Jaya
24 June 2020



.....
Ir. CHEN HARN SHEAN
Hon Treasurer

STATUTORY DECLARATION BY THE OFFICER PRIMARILY RESPONSIBLE FOR THE FINANCIAL MANAGEMENT OF THE EDUCATION FUND OF THE INSTITUTION OF ENGINEERS, MALAYSIA

I, Ir. CHEN HARN SHEAN the officer primarily responsible for the financial management of THE EDUCATION FUND OF THE INSTITUTION OF ENGINEERS, MALAYSIA, do solemnly and sincerely declare that to the best of my knowledge and belief, the accompanying financial statements as set out on page 158 to 181 are in my opinion correct, and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the Statutory Declarations Act, 1960.

Subscribed and solemnly declared by)
the above named at Kuala Lumpur in)
Wilayah Persekutuan on 24 June 2020)



.....
Ir. CHEN HARN SHEAN
Hon Treasurer

Before me,



.....
COMMISSIONER FOR OATHS

Lot 1.08, Tingkat 1,
Bangunan KWSP, Jln Raja Laur
50350 Kuala Lumpur
Tel: 019 6680745



INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF THE EDUCATION FUND OF THE INSTITUTION OF ENGINEERS, MALAYSIA

(Reg. No. 1356)
(Registered in Malaysia)

Responsibilities of the Council for the Financial Statements

The Council of the Institution of Engineers, Malaysia ("the Council") are responsible for the preparation of financial statements of the Fund that give a true and fair view in accordance with Malaysian Private Entities Reporting Standard and the rules of The Institution of Engineers, Malaysia. The Council is also responsible for such internal control as the Council determines necessary to enable the preparation of financial statements of the Fund that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements of the Fund, the Council is responsible for assessing the Fund ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the Council either intend to liquidate the Fund or to cease operations, or have no realistic alternative but to do so.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements of the Fund as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with approved standards on auditing in Malaysia and International Standards on Auditing will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with approved standards on auditing in Malaysia and International Standards on Auditing, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements of the Fund whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the Council.
- Conclude on the appropriateness of the Council's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Fund's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the financial statements of the Fund or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Fund to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements of the Fund including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the Council regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Other Matters

This report is made solely to the members, in accordance with Section 26 of the Societies Act, 1966 in Malaysia, and for no other purpose. We do not assume responsibility to any other person for the content of this report.

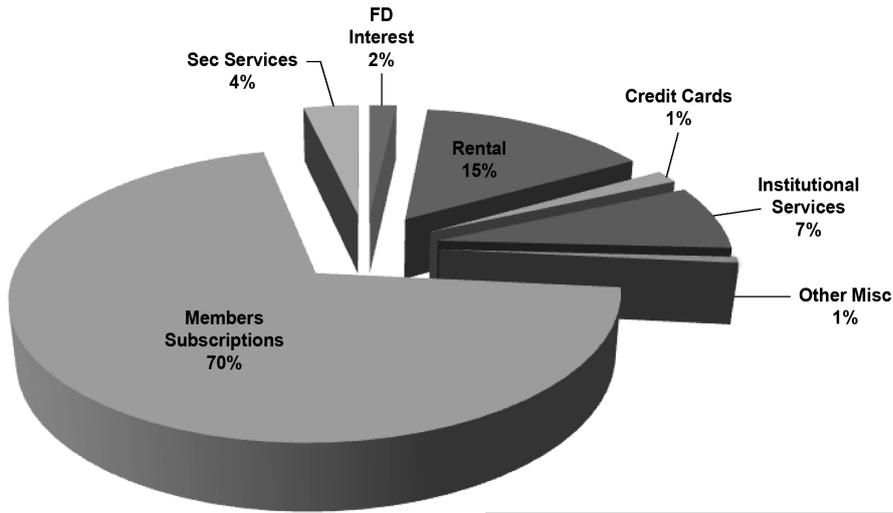
PKF
AF 0911
CHARTERED ACCOUNTANTS

NGU SIOW PING
03033/11/2019 J
CHARTERED ACCOUNTANT

Kuala Lumpur
24 June 2020

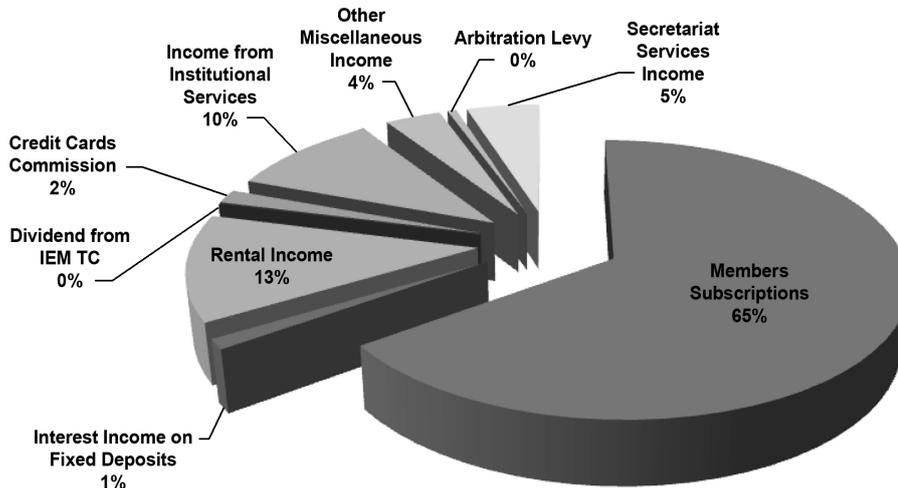


Income for the year 2019 Total income RM5,014,556



Members Subscriptions	3,464,860
Interest Income on Fixed Deposits	87,284
Rental Income	744,396
Credit Cards Commission	75,466
Institutional Services	428,887
Arbitration Levy	7,523
Secretariat Services Income	178,430
Other Miscellaneous Income	27,710

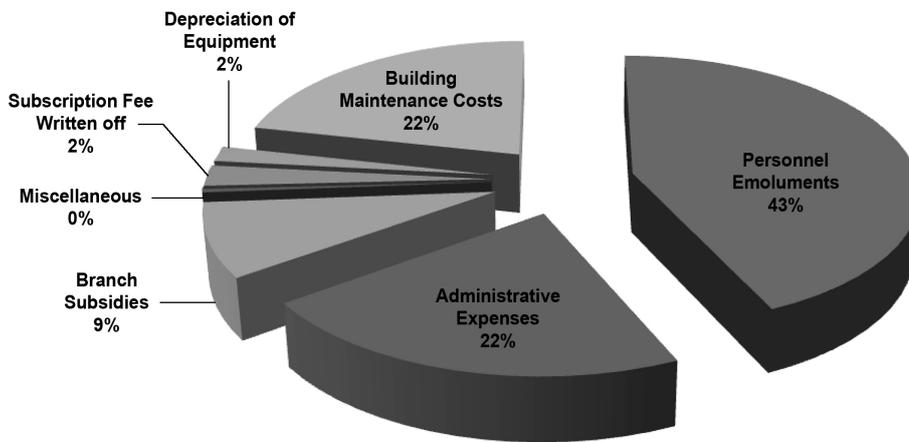
Income for the year 2018 Total income RM5,113,520



Members Subscriptions	3,329,803
Interest Income on Fixed Deposits	62,775
Dividend from IEM TC	-
Credit Cards Commission	84,401
Income from Institutional Services	517,725
Rental Income	648,166
Secretariat Services Income	249,456
Other Miscellaneous Income	190,143
Arbitration Levy	31,051

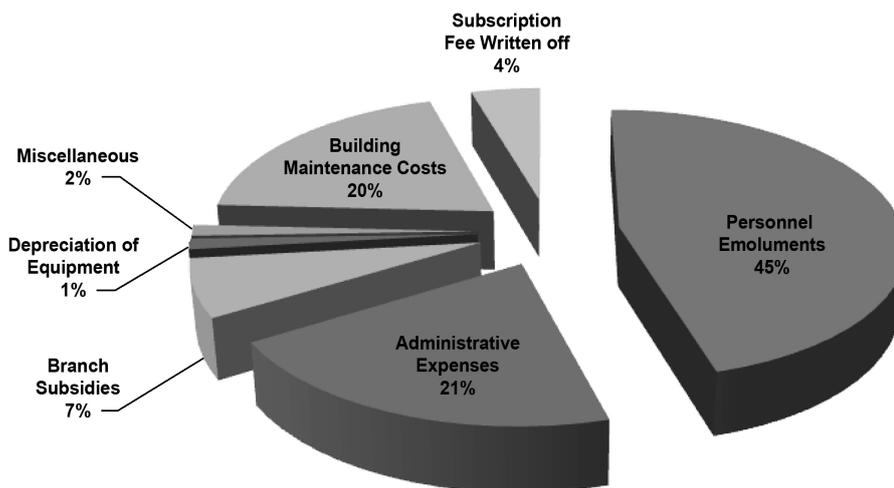


Expenses for the year 2019 Total Expenses RM5,170,734



Personnel Emoluments	2,240,141
Administrative Expenses	1,124,845
Branch Subsidies	451,840
Building Maintenance Costs	1,111,715
Subscription Fee Written off	127,567
Depreciation of Equipment	93,357
Miscellaneous	21,269

Expenses for the year 2018 Total Expenses RM6,081,431



Personnel Emoluments	2,773,351
Administrative Expenses	1,259,864
Branch Subsidies	418,264
Building Maintenance Costs	1,197,340
Subscription Fee Written off	274,455
Depreciation of Equipment	77,599
Miscellaneous	80,558



HONORARY INTERNAL AUDITOR’S REPORT

I have examined the Balance Sheet as at 31st December 2019, the Income and Expenditure Account together with Notes on the Accounts set out on pages 190 to 195, accounting and other records.

I hereby certify that they give a true and fair view of the state of affairs and the results of the Institution’s operations for the year ended on that date.

Ir. AWANGKU HIDUP BIN AWANGKU HOSAIN
Honorary Internal Auditor

Ir. TIONG NGO PU
Honorary Internal Auditor

STATEMENT BY COUNCIL

In the opinion of the Council, the financial statements as set out on pages 188 to 195 are prepared, in all material respects, in accordance with the Malaysian Private Entities Reporting Standard (“MPERS”) and the rules of The Institution of Engineers, Malaysia.

Signed on behalf of the Council,

Ir. DAVID LAI KONG PHOOI
President

Ir. CHEN HARN SHEAN
Hon Treasurer

Petaling Jaya
24 June 2020

STATUTORY DECLARATION BY THE OFFICER PRIMARILY RESPONSIBLE FOR THE FINANCIAL MANAGEMENT OF THE EDUCATION FUND OF THE INSTITUTION OF ENGINEERS, MALAYSIA

I, Ir. CHEN HARN SHEAN the officer primarily responsible for the financial management of THE EDUCATION FUND OF THE INSTITUTION OF ENGINEERS, MALAYSIA, do solemnly and sincerely declare that to the best of my knowledge and belief, the accompanying financial statements as set out on pages 188 to 195 are in my opinion correct, and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the Statutory Declarations Act, 1960.

Subscribed and solemnly declared by)
the above named at Kuala Lumpur in)
Wilayah Persekutuan on 24 June 2020)

Ir. CHEN HARN SHEAN
Hon Treasurer

Before me,



.....
Tingkat 1,
50350 Kuala Lumpur
Tel: 019 6680745
COMMISSIONER FOR OATHS

**INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF THE EDUCATION FUND OF THE INSTITUTION OF ENGINEERS, MALAYSIA**

(Reg. No. 1356)
(Registered in Malaysia)

Responsibilities of the Council for the Financial Statements

The Council of the Institution of Engineers, Malaysia ("the Council") are responsible for the preparation of financial statements of the Fund that give a true and fair view in accordance with Malaysian Private Entities Reporting Standard and the rules of The Institution of Engineers, Malaysia. The Council is also responsible for such internal control as the Council determines necessary to enable the preparation of financial statements of the Fund that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements of the Fund, the Council is responsible for assessing the Fund ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the Council either intend to liquidate the Fund or to cease operations, or have no realistic alternative but to do so.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements of the Fund as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with approved standards on auditing in Malaysia and International Standards on Auditing will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with approved standards on auditing in Malaysia and International Standards on Auditing, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements of the Fund whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the Council.
- Conclude on the appropriateness of the Council's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Fund's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the financial statements of the Fund or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Fund to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements of the Fund including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the Council regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Other Matters

This report is made solely to the members, in accordance with Section 26 of the Societies Act, 1966 in Malaysia, and for no other purpose. We do not assume responsibility to any other person for the content of this report.

PKF
AF 0911
CHARTERED ACCOUNTANTS

NGU SIOW PING
03033/11/2019 J
CHARTERED ACCOUNTANT

Kuala Lumpur
24 June 2020



STATEMENT OF INCOME AND EXPENDITURE FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2019

	Note	2019 RM	2018 RM
Income			
Donation received		113,123	49,810
Bank interest		1,904	1,717
Fixed deposit interest income		48,682	43,234
Amortisation cost adjustment		-	53,366
		163,709	148,127
Less: Expenditure			
Auditors' remuneration		2,969	2,000
Bank charges		78	15
Professional fees and tax services		1,776	1,775
Sponsorship expenses		105,243	44,896
Scholarships		42,000	34,000
Printing & stationery		421	574
Travelling expenses		31,901	4,669
Telephone & fax		42	-
Stamp duty		-	-
Seminar		-	-
		184,430	87,929
(Deficit)/ Surplus before tax		(20,721)	60,198
Tax expense	3	(3,278)	-
(Deficit)/ Surplus for the financial year		(23,999)	60,198
Accumulated funds brought forward		2,564,909	2,504,711
		2,540,910	2,564,909

STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2019

	Note	2019 RM	2018 RM
Non-current assets			
Property, plant and equipment	4	-	-
Intangible asset	5	-	-
Non-trade receivables	6	772,054	893,774
		772,054	893,774
Current assets			
Non-trade receivables	6	-	153,320
Tax recoverable		1,307	3,189
Fixed deposits	7	1,509,088	1,460,409
Bank balances		360,581	172,807
		1,870,976	1,789,725
		2,643,030	2,683,499
Financed by:			
Accumulated funds		2,564,909	2,504,711
(Deficit)/ Surplus for the financial year		(23,999)	60,198
		2,540,910	2,564,909
Current liability			
Non-trade payables and accruals	8	102,120	118,590
		2,643,030	2,683,499

STATEMENT OF RECOGNISED GAINS AND LOSSES FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2019

	2019 RM	2018 RM
(Deficit)/ Surplus for the financial year	(23,999)	60,198



STATEMENT OF CASH FLOWS FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2019

	Note	2019 RM	2018 RM
Cash flows from operating activities			
(Deficit)/ Surplus before tax		(23,999)	60,198
Adjustments for:			
Amortised cost adjustment		275,040	(53,366)
Interest income		(50,583)	(44,951)
Operating surplus/ (deficit) before working capital changes		200,458	(38,119)
Decrease/ (Increase) in receivables		-	(144,002)
(Decrease)/ Increase in payables		(16,470)	96,775
Cash generated/ (used in) from operations		183,988	(85,346)
Interest received		1,904	1,717
Tax paid		1,882	-
Net cash from/ (used in) operating activities		187,774	(83,629)
Cash flows from financing activities			
Increase in fixed deposit		-	1,436
Net cash from financing activity		-	1,436
Net increase/ (decrease) in cash and cash equivalents		187,774	(82,193)
Cash and cash equivalents at 1 January	(i)	172,807	255,000
Cash and cash equivalents at 31 December		360,581	172,807

Note:

Cash and cash equivalents included in the statement of cash flows comprise the following:

	2019 RM	2018 RM
Bank balances	360,581	172,807
Fixed deposits with a licensed bank with original maturities less than 3 months	-	-

360,581**172,807**



NOTES TO THE FINANCIAL STATEMENTS AS AT 31 DECEMBER 2019

1. Basis of preparation**(a) Statement of Compliance**

The financial statements of The Education Fund of The Institution of Engineers, Malaysia ("the Fund") have been prepared in accordance with Malaysian Private Entities Reporting Standard ("MPERS") and the rules of The Institution of Engineers, Malaysia.

The financial statements of the the Fund have been prepared under the historical cost convention, unless otherwise indicated in the significant accounting policies below.

(b) Functional and Presentation Currency

These financial statements are presented in Ringgit Malaysia ("RM"), which is the Fund's functional currency. All financial information is presented in RM and has been rounded to the nearest RM except when otherwise stated.

2. Summary of significant accounting policies**(a) Revenue***Interest Income*

Interest income is recognised on accruals basis using the effective interest method.

Donation received

Donation is recognised in the statement of income and expenditure on cash receipt basis.

(b) Income taxes

Tax expense in income and expenditure comprises current and deferred tax. Current tax and deferred tax is recognised in income and expenditure.

Current tax is the expected tax payable or receivable on the taxable income or loss for the financial year, using tax rates enacted or substantively enacted by the end of the reporting period, and any adjustment to tax payable in respect of previous years.

Deferred tax is recognised using the liability method for all temporary differences between the carrying amounts of assets and liabilities in the statement of financial position and their tax bases. Deferred tax is not recognised for the temporary differences arising from the initial recognition of goodwill, the initial recognition of assets and liabilities in a transaction which is not a business combination and that affects neither accounting nor taxable profit or loss. Deferred tax is measured at the tax rates that are expected to be applied to the temporary differences when they reverse, based on the laws that have been enacted or substantively enacted by the end of the reporting period.

A deferred tax asset is recognised to the extent that it is probable that future taxable profits will be available against which the temporary difference can be utilised. Deferred tax assets are reviewed at the end of each reporting period and are reduced to the extent that it is no longer probable that the related tax benefit will be realised.

At the end of each reporting period, the carrying amount of a deferred tax asset is reviewed, and is reduced to the extent that it is no longer probably that sufficient taxable profit will be available to allow the benefit of a part or all of that deferred tax asset to be utilised. Any such reduction will be reversed to the extent that it becomes probably that sufficient taxable profit will be available.

A current or deferred tax is recognised as income and expense in profit or loss for the period, except to the extent that the tax arises from items recognised outside profit or loss. For an income or expense item recognised in other comprehensive income, the current or deferred tax expense or tax income is recognised in other comprehensive income. For items recognised directly in equity, the related tax effect is also recognised directly in equity.



(c) Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated depreciation and accumulated impairment losses. The policy of recognition and measurement of impairment losses is in accordance with Note 2 (g).

(i) Recognition and measurement

Cost includes purchase price for purchased assets, any other costs directly attributable in bringing the asset to its present location and condition for its intended use, cost of replacing component parts of the assets, and the present value of the expected cost for the decommissioning of the assets after their use. The cost of self-constructed assets also includes the cost of materials and direct labour. Borrowing cost and all other repair and maintenance costs are recognised in income and expenditure as incurred.

The cost of property, plant and equipment recognised as a result of a business combination is based on fair value at acquisition date. The fair value of property is the estimated amount for which a property could be exchanged on the date of valuation between a willing buyer and a willing seller in an arm's length transaction after proper marketing wherein the parties had each acted knowledgeably, prudently and without compulsion. The fair value of other items of plant and equipment is based on the quoted market prices for similar items.

When significant parts of an item of property, plant and equipment have different useful lives, they are accounted for as separate items (major components) of property, plant and equipment.

Property, plant and equipment are derecognised upon disposal or when no future economic benefits are expected from its use or disposal. Gains or losses arising on the disposal of property, plant and equipment are determined as the difference between the disposal proceeds and the carrying amount of the assets and are recognised in income and expenditure.

(ii) Subsequent costs

The cost of replacing part of an item of property, plant and equipment is recognised in the carrying amount of the item if it is probable that the future economic benefits embodied within the part will flow to The Education Fund and its cost can be measured reliably. The costs of the day-to-day servicing of property, plant and equipment are recognised in the income and expenditure as incurred. Investment property whose fair value cannot be measured reliably without undue cost or effort is measured on the cost model.

(iii) Depreciation

Depreciation is recognised in the income and expenditure on straight line basis to write off the cost or valuation of each asset to its residual value over its estimated useful life.

Property, plant and equipment are depreciated based on the estimated useful lives of the assets as follows:

Office equipment	10%
Furniture and fittings	10%
Computers	40%

The residual values, useful lives and depreciation method are reviewed at each reporting period end to ensure that the amount, method and period of depreciation are consistent with previous estimates and the expected pattern of consumption of the future economic benefits embodied in the property, plant and equipment.

(d) Intangible assets

(i) Intangible assets acquired separately

The initial cost of a separate acquired intangible asset includes its purchase price and any directly attributable cost of preparing the asset for its intended use. Subsequent to initial recognition, intangible assets are measured at cost less accumulated amortisation and accumulated impairment losses. Amortisation is recognised in the income and expenditure on straight line basis to write off the cost of each intangible asset to its residual value over its estimated useful life from the date it is available for use.

Software are amortised based on the estimated useful lives of 5 years.

The estimated useful lives and amortisation methods are reviewed at the end of each reporting date, with the effect of any changes in estimate being accounted for on a prospective basis.

(ii) Derecognition of intangible assets

An intangible asset is derecognised on disposal, or when no future economic benefits are expected from use or disposal. Gains or losses arising from derecognition of an intangible asset, measured as the difference between the net disposal proceeds and the carrying amount of the asset, are recognised in income and expenditure when the asset is derecognised.

See accounting policy Note 2(g) to the financial statements on impairment of non-financial assets for intangible assets.



(e) Financial instruments

Financial assets and financial liabilities, including derivative instruments, are recognised on the statements of financial position when, and only when, The Education Fund become a party to the contractual provisions of the financial instrument.

Financial assets and financial liabilities are initially recognised at the transaction price plus transaction costs if they are not measured at fair value through profit or loss unless the arrangement constitutes, in effect, a financing transaction. Financial assets and financial liabilities that constitute a financing transaction are measured at the present value of the future payments discounted at a market rate of interest for a similar debt instrument. Transaction costs for financial assets and financial liabilities at fair value through profit or loss are recognised in income and expenditure in period in which they are incurred.

The Fund classifies their financial assets and financial liabilities into the following categories:

(i) Financial assets and financial liabilities at fair value through profit or loss

After initial recognition, financial assets and financial liabilities are measured at fair value with any gains or losses arising from changes in the fair values recognised in income and expenditure in the period in which the changes arise. If the fair value cannot be measured reliably without undue cost or effort, the financial assets is subsequently measured at cost less impairment.

(ii) Other financial assets and other financial liabilities measured at amortised cost

After initial recognition, financial assets and financial liabilities are measured at amortised cost using the effective interest method. Financial assets are reviewed at the end of each reporting period to determine whether there is any indication of impairment. Gains and losses are recognised in income and expenditure when the financial assets and financial liabilities are derecognised or impaired, and through the amortisation process.

A financial asset or part of it is derecognised when, and only when, the contractual rights to receive cash flows from the financial asset has expired or has been settled, or control of the asset is not retained or the Fund have transferred substantially all risks and rewards of ownership. On derecognition of a financial asset, the difference between the carrying amount and the sum of consideration received, including any newly created rights and obligations, is recognised in income and expenditure.

A financial liability or part of it is derecognised when, and only when, the obligation specified in the contract is discharged or cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as a derecognition of the original liability and the recognition of a new liability, and the difference in the respective carrying amounts is recognised in income and expenditure.

(f) Offsetting of financial instruments

Financial assets and financial liabilities are offset and the net amount is reported in the statements of financial position if, and only if, there is a currently enforceable legal right to offset the recognised amounts and there is an intention to settle on a net basis, or to realise the assets and settle the liabilities simultaneously.

(g) Impairment of assets

(i) Non-financial assets

The carrying amounts of non-financial assets (except for inventories, amount due from contract customers, deferred tax assets, and investment property measured at fair value) are reviewed at the end of each reporting period to determine whether there is any indication of impairment. If any such indication exists, the asset's recoverable amount is estimated.

For the purpose of impairment testing, assets are grouped together into the smallest group of assets that generates cash inflows from continuing use that are largely independent of the cash inflows of other assets or cash-generating units. For the purpose of goodwill impairment testing, cash-generating units to which goodwill has been allocated are aggregated so that the level at which impairment testing is performed reflects the lowest level at which goodwill is monitored for internal reporting purposes. The goodwill acquired in a business combination, for the purpose of impairment testing, is allocated to a cash-generating unit or a group of cash-generating units that are expected to benefit from the synergies of the combination.

The recoverable amount of an asset or cash-generating unit is the higher of fair value less costs to sell and its value-in-use. In assessing value-in-use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset or cash-generating unit.



An impairment loss is recognised if the carrying amount of an asset or cash-generating unit exceeds its estimated recoverable amount. Impairment loss is recognised in profit or loss, unless the asset is carried at a revalued amount, in which such impairment loss is recognised directly against any revaluation surplus for the asset to the extent that the impairment loss does not exceed the amount in the revaluation surplus for that same asset. Impairment losses recognised in respect of cash-generating units are allocated first to reduce the carrying amount of any goodwill allocated to the cash-generating unit (group of cash-generating units) and then to reduce the carrying amounts of the other assets in the cash-generating unit (group of cash-generating units) on a pro rata basis.

An impairment loss in respect of goodwill is not reversed. In respect of other assets, impairment losses recognised in prior periods are assessed at the end of each reporting period for any indications that the loss has decreased or no longer exists. An impairment loss is reversed only if there has been a change in the estimates used to determine the recoverable amount since the last impairment loss was recognised. The reversal is limited so that the carrying amount of the asset does not exceed its recoverable amount, nor exceed the carrying amount that would have been determined, net of depreciation or amortisation, had no impairment loss been recognised for asset in prior years. Such reversal is recognised in the profit or loss unless the asset is carried at a revalued amount, in which case the reversal is treated as a revaluation increase.

(ii) Financial assets

All financial assets, other than those categorised as fair value through profit or loss, investments in subsidiary companies, associates and joint ventures are assessed at each reporting date whether there is any objective evidence of impairment as a result of one or more events having an impact on the estimated future cash flows of the asset.

To determine whether there is objective evidence that an impairment loss on financial assets has been incurred, the Fund considers factors such as the probability of insolvency or significant financial difficulties of the receivable and default or significant delay in payments. For certain categories of financial assets, such as trade receivables, assets that are assessed not to be impaired individually are subsequently assessed for impairment on a collective basis based on similar risk characteristics. Objective evidence of impairment for a portfolio of receivables could include the Fund's past experience of collecting payments, an increase in the number of delayed payments in the portfolio past the average credit period and observable changes in national or local economic conditions that correlate with defaults on receivables.

If any such evidence exists, the amount of impairment loss is measured as the difference between the assets' carrying amount and the present value of estimated future cash flows (excluding future expected credit losses that have not yet been incurred) discounted at the financial asset's original effective interest rate. The carrying amount of the asset is reduced through the use of an allowance account and the amount of impairment loss is recognised in profit or loss. Receivables together with the associated allowance are written off when there is no realistic prospect of future recovery.

If, in a subsequent period, the amount of the impairment loss decreases and the decrease can be related objectively to an event occurring after the impairment was recognised in profit or loss, the impairment loss is reversed, to the extent that the carrying amount of the asset does not exceed what the carrying amount would have been had the impairment not been recognised at the date the impairment is reversed. The amount of reversal is recognised in income and expenditure.

(h) Cash and cash equivalents

Cash and cash equivalents consist of cash on hand, balances and deposits with banks and other highly liquid investments which have an insignificant risk of changes in fair value with original maturities of three months or less, and are used by the Fund in the management of their short-term commitments. For the purpose of the statement of cash flows, cash and cash equivalents are presented net of bank overdrafts and pledged deposits.

3. Tax expense

	2019 RM	2018 RM
Current tax		
- current year	1,882	-
- under provision in prior year	1,396	-
	3,278	-



4. Property, plant and equipment

2019/2018 Cost	Office equipment RM	Furniture and fittings RM	Computers RM	Total RM
At 1 January/31 December	32,645	41,050	20,348	94,043
Accumulated depreciation				
At 1 January/31 December	32,645	41,050	20,348	94,043
Carrying amount				
At 31 December	-	-	-	-

5. Intangible asset

Software Cost	2019 RM	2018 RM
At 1 January/31 December	63,482	63,482
Amortisation		
At 1 January/31 December	63,482	63,482
Carrying amount		
At 31 December	-	-

6. Non-trade receivables

	2019 RM	2018 RM
Non-trade receivables		1,228,399
Less: Amortised cost adjustment		
At 1 January		(234,671)
Add: Current year adjustment		53,366
At 31 December		(181,305)
		1,047,094
Representing:		
Current		153,320
Non-current		893,774
		1,047,094

The amount for the non-current portion represents unsecured and interest-free advances with amortised cost adjustment at 6.35% per annum, which is receivable at the end of financial year 2020.

7. Fixed deposits

	2019 RM	2018 RM
Maturities more than 3 months	1,509,088	1,460,409
Maturities less than 3 months	-	-
	1,509,088	1,460,409

The fixed deposits with licensed bank at the end of the financial year earned interest at 3.10% - 3.35% (2018: 2.85% - 3.30%) per annum. The maturity of deposit as at the end of the financial year is 12 months (2018: 1 month to 12 months).



8. Non-trade payables and accruals

	2019 RM	2018 RM
Non-trade payables	100,000	116,590
Accruals	2,120	2,000
	102,120	118,590

9. Financial Instruments

The financial assets and financial liabilities of the Company as at reporting date are categorised as follows:

	2019 RM	2018 RM
Financial assets		
Financial assets measured at amortised cost:		
Non-trade receivables	772,054	1,047,094
Fixed deposits	1,509,088	1,460,409
Cash and cash equivalents	360,581	172,807
	2,641,723	2,680,310

Financial liability

Financial liabilities measured at amortised cost:

Non-trade payables and accruals	102,120	118,590
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10. General information

The Institution of Engineers, Malaysia is a society registered in Malaysia.

The Education Fund of The Institution of Engineers, Malaysia is principally to contribute towards further progress and advancement of all disciplines of the engineering profession by the provision of scholarships and educational loans and also the provision of grants for seminars, conferences, research and other related engineering education activities.

There has been no significant change in the nature of these activities during the financial year.

There was no employee in the current and previous financial years.

The principal place of business is located at Bangunan Ingenieur, Lot 60/62, Jalan 52/4 Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan.

The financial statements were approved and authorised for issue by the Council of the Education Fund on 16 March 2020.

