



**THE INSTITUTION OF ENGINEERS, MALAYSIA**  
**INSTITUSI JURUTERA MALAYSIA**

**2021 IEM**

**62<sup>nd</sup> Annual Report**  
**Laporan Tahunan ke-62**

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### PAST PRESIDENT Bekas Yang Dipertua

Sessions	Past Presidents	Sessions	Past Presidents
1959/62	Allahyarham Tan Sri Ir. (Dr.) Haji Yusoff bin Haji Ibrahim	1988/90	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong
1962/64	Allahyarham Raja Tan Sri Ir. Zainal bin Raja Sulaiman	1990/92	Allahyarham Dato' Ir. Mustafa bin Ahmad
1964/66	Late Ir. Thean Lip Thong	1992/93	Ir. Chong Pick Eng (P.E. Chong)
1966/68	Late Tan Sri Datuk Ir. Prof. Dr. Chin Fung Kee	1993/95	Y.Bhg. Dato' Ir. Abdul Rashid bin Ahmad
1968/69	Late Ir. Ow Yang Hong Chiew	1995/97	Ir. Dr. Ting Wen Hui
1969/70	Late Ir. Chan Peng Khuen	1997/99	Allahyarham Ir. Haji Mohd. Mazlan bin Md. Ismail Merican
1970/72	Allahyarham Tan Sri Dato' (Dr.) Ir. Haji Abu Zarim bin Haji Omar	1999/01	Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Haji Ahmad Zaidee bin Laidin
1972/74	Late Academician Tan Sri Ir. (Dr.) J. G. Daniel	2001/03	Y.Bhg. Dato' Ir. Dr. Gue See Sew
1974/75	Allahyarham Tan Sri Datuk Ir. Haji Halaluddin bin Mohd. Ishak	2003/05	Y.Bhg. Dato' Ir. Prof. Abang Abdullah bin Abang Ali
1975/77	Late Ir. Chan Khee Pok	2005/07	Y.Bhg. Datuk Ir. Prof. Dr. Ow Chee Sheng
Apr–Dec 1977	Allahyarham Tan Sri Datuk Ir. Mahfuz bin Khalid	2007/09	Y.Bhg. Dato' Paduka Ir. Prof. (Dr.) Haji Keizrul bin Abdullah
1977/79	Allahyarham Ir. Tuan Haji Mohd. Razali bin Bidin	2009/11	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik
1979/81	Late Ir. Wong Kin Hong	2011/13	Ir. Vincent Chen Kim Kieong
1981/82	Late Ir. Chiam Teong Tee	2013/14	Ir. Choo Kok Beng
1982/84	Allahyarham Tan Sri Datuk Ir. Haji Mohd. Hassan bin Abdul Wahab	2014/16	Y.Bhg Dato' Ir. Lim Chow Hock
1984/86	Late Y.Bhg. Dato' Ir. Pang Leong Hoon	2016/18	Ir. Dr. Tan Yean Chin
1986/88	Allahyarham Ir. Tuan Haji Abdul Rahman bin Yaacob	2018/20	Ir. David Lai Kong Phooi

### IEM DISTINGUISHED HONORARY FELLOW Fellow Kehormat Tertinggi, IEM

Year	Name Of Recipient	Year	Name Of Recipient
2003	Y.A.Bhg. Tun Dr. Mahathir bin Mohamed	2010	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong

### IEM HONORARY FELLOW Fellow Kehormat, IEM

Year	Name Of Recipient	Year	Name Of Recipient
1981	Allahyarham Tan Sri Ir. (Dr.) Haji Yusoff bin Haji Ibrahim	1989	Al-Marhum Paduka Seri Sultan Azlan Muhibbuddin Shah Ibni al-Marhum Sultan Yussuf Izzuddin Shah Ghafarullahu-Lah
1981	Allahyarham Raja Tan Sri Ir. Zainal bin Raja Sulaiman	1991	Late Y.Bhg. Dato' Ir. Pang Leong Hoon
1981	Late Ir. Thean Lip Thong	1991	Prof. Dr. Ing. B. J. Habibie
1981	Late Tan Sri Datuk Ir. Prof. Dr. Chin Fung Kee	1993	Allahyarham Dato' Ir. Mustafa bin Ahmad ( <i>posthumous</i> )
1982	Allahyarham Tan Sri Dato' (Dr.) Ir. Haji Abu Zarim bin Haji Omar	1993	Y.Bhg. Tan Sri Dato' Ir. (Dr.) Shamsuddin bin Abdul Kadir
1982	Late Academician Tan Sri Ir. (Dr.) J. G. Daniel	1993	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong ( <i>transferred to Grade of Distinguished Hon Fellow in 2010</i> )
1984	Y.A.Bhg. Tun Dr. Mahathir bin Mohamed ( <i>transferred to Grade of Distinguished Hon Fellow in 2004</i> )	1994	Al-Marhum Tuanku Ja'afar Ibni al-Marhum Tuanku Abdul Rahman
1986	Late Ir. Chiam Teong Tee	1995	Y.Bhg. Datuk Amar (Dr.) Leo Moggie
1986	Allahyarham Tan Sri Datuk Ir. Haji Mohd. Hassan bin Abdul Wahab	1998	Y.A.Bhg. Tun Daim Zainuddin
1988	Allahyarham Tun Hussein Onn		

Year	Name Of Recipient
2001	Y.A.Bhg. 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	Y.A.Bhg. Pehin Seri Tan Sri Dr. Haji Abdul Taib bin Mahmud
2008	Y.A.Bhg. Datuk Seri Panglima Musa bin Haji Aman
2008	Y.A.Bhg. Dato' Seri Ir. Hj Mohammad Nizar bin Jamaluddin
2009	Y.Bhg. Dato' Sri Ir. Mohd Zin bin Mohamed
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

Year	Name Of Recipient
2012	Allahyarham 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 Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik
2013	Y.Bhg. Dato' Seri Ir. Mohd Noor bin Yaakob
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	Y.Bhg. Dato' Ir. Donald Lim Siang Chai
2016	Ir. Choo Kok Beng
2017	Mr. Antonio Guterres
2017	Professor Dr. Shahbaz Khan
2018	Ir. Khoo Choong Keow
2019	Late Ir. M. C. Hee <i>(posthumous)</i>
2019	Y.Bhg. Dato' Ir. Lim Chow Hock
2020	Ir. Dr. Tan Yean Chin

### IEM HONORARY MEMBER Ahli Kehormat, IEM

Year	Name Of Recipient
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

Year	Name Of Recipient
2013	Y.Bhg. Dato' Dr Mohamad bin Hashim
2014	Y.Bhg. Dato' Lau Siu Wai
2014	Y.Bhg. Datuk Dr. Abu Bakar bin Mohamad Diah
2015	Y.Bhg. Datuk Professor Dr. Shahrin bin Sahib @ Sahibuddin
2017	Y.Bhg. Dato' Emeritus Professor Dr. Hassan Said
2019	Y.Bhg. Dato' Abdul Karim bin Mohd Tahir
2019	Mr. Lim Swee Ee

### IEM DISTINGUISHED MEMBER Ahli Tertinggi, IEM

Year	Name Of Recipient
2013	Y.Bhg. Tan Sri Dato' Ir. Teo Chiang Kok

## **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.

**IEM COUNCIL MEMBERS SESSION 2020/2021**  
**Ahli Majlis IEM Sesi 2020/2021**

Position	Name	
<b>President</b>	Ir. Ong Ching Loon	
<b>Deputy President</b>	Ir. Prof. Dr. Norlida binti Buniyamin	
<b>Vice Presidents</b>	Y.Bhg. Dato' Ir. Ahmad Murad bin Omar	Ir. Prof. Dr. Leong Wai Yie
	Ir. Dr. Tan Chee Fai	Ir. Mohd Khir bin Muhammad
	Ir. Mohd Aman bin Hj. Idris	Ir. Prof. Dr. Ruslan bin Hassan
	Ir. Dr. Wang Hong Kok	
<b>Honorary Secretary</b>	Ir. Dr. David Chuah Joon Huang	
<b>Honorary Treasurer</b>	Ir. Chen Harn Shean	
<b>Immediate Past President</b>	Ir. David Lai Kong Phooi	
<b>Past Presidents</b>	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. Keizrul bin Abdullah	
	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik	
	Y.Bhg. Dato' Ir. Lim Chow Hock	
<b>Council Member - Civil Rep</b>	Ir. Yap Soon Hoe	
<b>Council Member - Mechanical Rep</b>	Ir. Dr. Aidil bin Chee Tahir	
<b>Council Member - Electrical Rep</b>	Ir. Francis Xavier Jacob	
<b>Council Member - Structural Rep</b>	Ir. Gunasagaran a/l Kristnan	
<b>Council Member - Chemical Rep</b>	Ir. Prof. Dr. Lee Tin Sin	
<b>Council Member - Other Disciplines Rep</b>	Ir. Bhuvendhara Rudrusamy	
<b>Council Member - Multimedia Rep</b>	Ir. Jeewa Vengadasalam	
<b>Council Members - Ordinary Rep</b>	Y.Bhg. Dato' Ir. Nor Hisham Mohd Ghazali	Ir. Ng Yong Kong
	Ir. Toh Chin Kok	Ir. Dr. Mui Kai Yin
	Ir. Dr. Jeyanthi Ramasamy	Y.Bhg. Dato' Ir. Noor Azmi bin Jaafar
	Ir. Yim Hon Wa	Ir. Ting Chek Choon
	Ir. Yam Teong Sian	Ir. Sukhairul Nizam bin Abdul Razak
	Y.Bhg. Dato' Ir. Fakharazi bin Wahijan	Ir. Lai Sze Ching
	Ir. Yasotha Ramachandran Chetty	Y.Bhg. Dato' Ir. Dr. Ahmad Anuar bin Othman
	Ir. Mohamad Asari bin Daud	Ir. Dr. Chan Swee Huat
	Ir. Ng Beng Hooi	Ir. Ellias bin Saidin
	Ir. Dr. Lai Khin Wee	Ir. Mohd Radzi bin Salleh
	Ir. Dr. Tan Kuang Leong	Dato' Ir. Hj. Anuar bin Yahya
	Ir. Mah Siew Kien	Ir. Dr. Teo Fang Yenn
	Y.Bhg. Dato' Ir. Mohd Azmi bin Ismail	Ir. Prof. Dr. Jeffrey Chiang Choong Luin
<b>Council Member by Invitation</b>	Y.Bhg. Dato' Seri Ir. Dr. Zaini bin Ujang	
	Ir. Dr. Lee Yun Fook	
	Ir. Fam Yew Hin	
<b>Women Engineers Representative</b>	Ir. Rusnida binti Talib	
<b>Young Engineers Representatives</b>	Mr. Kuugan Thangarajoo	
	Mr. Lim Yiren	
	Mr. Naveen Kumar	
	Ms. Tan Wen Ji	
	Ms. Jacquelyne Anne Boudeville	
<b>Branch Representatives</b>	Ir. Yau Ann Nian	(Penang Branch)
	Ir. Wong Yee Foong	(Southern Branch)
	Ir. Simon Yeong Chin Chow	(Perak Branch)
	Ir. Ahmad Kamal bin Kunji	(Pahang Branch)
	Ir. Abdullah Zawawi bin Mohamad Noor	(Terengganu Branch)
	Ir. Chong Chee Yen	(Negeri Sembilan Branch)
	Ir. Puvanasvaran a/l Perumal	(Melaka Branch)
	Ir. Haidel Heli	(Sarawak Branch)
	Ir. Jeffrey Ng Yun Ping	(Sabah Branch)
	Ir. Wong Siong Ung	(Miri Branch)
	Ir. Mohamad Shaiful Ashrul bin Ishak	(Kedah-Perlis Branch)
	Ir. Shaipuddin bin Shapii	(Kelantan Branch)

**NOTICE OF 62<sup>nd</sup> ANNUAL GENERAL MEETING**

8 March 2021

Ref. No: IEM/0288/21/AGM – 2 CPD hours

To all members of  
The Institution of Engineers, Malaysia

**NOTICE OF 62<sup>nd</sup> ANNUAL GENERAL MEETING (VIRTUAL MEETING)  
SATURDAY, 17 APRIL 2021 at 9.00 am**

In accordance with Section 7.5 of the Bylaws, notice is hereby given that the 62<sup>nd</sup> Annual General Meeting of The Institution of Engineers, Malaysia shall be held on **Saturday, 17 April 2021 at 9.00 am**.

In view of the announcement by the National Security Council (NSC) on the Conditional Movement Control Order (CMCO) being imposed until 18 March 2021 and the uncertainty of the announcement thereafter, we would like to hereby announce that the 62<sup>nd</sup> Annual General Meeting will be conducted via virtual platform similar to the Annual General Meeting of 2020. This is to ensure that the SOPs and physical distancing requirements are adhered to and also in consideration of the safety and health of our members.

**The AGENDA for the virtual Annual General Meeting is as follows:-**

1. Welcome Address by the President for Session 2020/2021.
2. Presentation of Honorary Secretary Report Session 2020/2021.
3. Presentation of Financial Statements for the year ended 31 December 2020.
4. Presentation of Results of Election for Council Session 2021/2022.
5. Presidential Address 2021/2022.

In order to cater for the virtual AGM, kindly be informed that the following SOPs are hereby instituted:

**a) Annual Report**

A soft copy of Annual Report will be sent to all members via email blast prior to the AGM. Members who wish to have a hard copy may collect from IEM HQ on a first come first served basis as only a small number would be printed so as to be cost efficient and minimize wastage;

**b) Pre-Registration**

As the AGM will be conducted via an online platform, members are required to **pre-register** to attend the AGM. A link to join the virtual meeting will be emailed to the registered member prior to the AGM date. Members can click on the link to join the meeting on the given date and time of the AGM.

**c) Submission of Questions/Queries**

Due to the limitation and constraints of the virtual platform, we may not be able to handle questions being posed on the spot during the AGM. Members are therefore requested to submit question(s)/queries **at least seven (7) days** before the AGM. Response, if deemed necessary, will be provided during the AGM.

**d) Valid Contact Details for e-Voting**

In view of the number of attendees at the AGM and the constraints of the online platform, any voting during the AGM will be conducted via IEM's e-voting module. As such, members are advised to ensure that your **mobile number in the IEM database is valid** and **to perform first time log-in** prior to the AGM. During the e-voting, a **Security Code will be sent by SMS to your mobile phone for you to access the portal to cast your vote**. **Kindly update your latest contact details in the IEM webportal.**

Thank you for your kind attention.

Yours sincerely,



.....  
**Ir. Dr. David Chuah Joon Huang**  
**Hon. Secretary**

### JAWATANKUASA KERJA (EXECUTIVE COMMITTEE OF COUNCIL)

**Yang Dipertua**

Ir. Ong Ching Loon

**Setiausaha Kehormat**

Ir. Dr. David Chuah Joon Huang

**Timbalan Yang Dipertua**

Ir. Prof. Dr. Norlida binti Buniyamin

**Bendahari Kehormat**

Ir. Chen Harn Shean

**Naib Yang Dipertua**

Y.Bhg. Dato' Ir. Ahmad Murad bin Omar  
 Ir. Dr. Tan Chee Fai  
 Ir. Mohd Aman bin Hj. Idris  
 Ir. Dr. Wang Hong Kok  
 Ir. Prof. Dr. Leong Wai Yie  
 Ir. Mohd Khir bin Muhammad  
 Ir. Prof. Dr. Ruslan bin Hassan

**Ahli-Ahli**

Ir. Dr. Bhuvendhraa Rudrusamy  
 Ir. Fam Yew Hin  
 Ir. Gunasagaran a/l Kristnan  
 Ir. Prof. Dr. Jeffrey Chiang Choong Luin  
 Ir. Lai Sze Ching  
 Ir. Dr. Lee Yun Fook  
 Ir. Ng Yong Kong  
 Ir. Yam Teong Sian

### LEMBAGA TABUNG PENDIDIKAN IEM (BOARD OF MANAGEMENT – IEM EDUCATION FUND)

**Pengerusi**

Ir. Ong Ching Loon

**Bendahari Kehormat**

Ir. Chen Harn Shean

**Timbalan Pengerusi**

Ir. Prof. Dr. Norlida binti Buniyamin

**Ahli-Ahli**

Y.Bhg. Dato' Ir. Ahmad Murad bin Omar  
 Ir. Dr. Tan Chee Fai  
 Ir. Mohd Aman bin Hj. Idris  
 Ir. Dr. Wang Hong Kok  
 Ir. Prof. Dr. Leong Wai Yie  
 Ir. Mohd Khir bin Muhammad  
 Ir. Prof. Dr. Ruslan bin Hassan

**Setiausaha Kehormat**

Ir. Dr. David Chuah Joon Huang

### LEMBAGA TABUNG BENEVOLENT (BOARD OF MANAGEMENT – IEM BENEVOLENT FUND)

Tidak dilantik (No appointment)

**Ex-Officio**

Timbalan Yang Dipertua, IEM  
 Pengerusi, Jawatankuasa Tetap Kebajikan dan Hal Ehwal  
 Perkhidmatan  
 Setiausaha Kehormat, IEM  
 Bendahari Kehormat, IEM

### JAWATANKUASA KHAS PANDEMIK COVID-19 (SPECIAL COMMITTEE ON COVID-19 PANDEMIC)

**Pengerusi**

Ir. Ong Ching Loon

**Juruaudit Luar dan Juruaudit Dalam Kehormat**

**Juruaudit Luar**  
 CH International

**Ahli-ahli**

Ir. David Lai Kong Phooi  
 Ir. Prof. Dr. Norlida binti Buniyamin  
 Ir. Mohd Khir bin Muhammad  
 Ir. Dr. Wang Hong Kok  
 Y.Bhg. Dato' Ir. Ahmad Murad bin Omar  
 Ir. Prof. Dr. Jeffrey Chiang Choong Luin  
 Ir. Dr. David Chuah Joon Huang  
 Ir. Mohd Aman bin Hj Idris  
 Ir. Prof. Dr. Leong Wai Yie  
 Ir. Dr. Tan Chee Fai

**Juruaudit Dalam Kehormat**

Ir. Yau Chau Fong  
 Ir. Sreedaran Raman

**JAWATANKUASA TETAP**  
 (STANDING COMMITTEES)

**JAWATANKUASA TETAP KEWANGAN**  
 (Standing Committee on Finance)
**Pengerusi**

Ir. Prof. Dr. Norlida binti Buniyamin

**Naib Pengerusi**

Ir. Dr. David Chuah Joon Huang

**Setiausaha**

Ir. Chen Harn Shean

**Ahli- Ahli**

Ir. Dr. Tan Yean Chin

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ir. S. Kumar a/l S. Subramaniam

Ir. Yap Lee Chor

Ir. Tiong Ngo Pu

Ir. Dr. Aidil bin Chee Tahir

Ir. Gunasagaran a/l Kristnan

Ir. Mah Siew Kien

Ir. Yasotha Ramachandran Chetty

Ir. Ting Chek Choon

Ir. Dr. Tan Kuang Leong

Ir. Sreedaran Raman

**JAWATANKUASA TETAP PEPERIKSAAN DAN KELAYAKAN**

(Standing Committee on Examinations and Qualifications)

**Pengerusi**

Ir. Mohd Aman bin Haji Idris

**Naib Pengerusi**

Ir. Ng Yong Kong

**Setiausaha**

Ir. Gunasagaran a/l Kristnan

**Ex-Officio**

Ir. Dr. David Chuah Joon Huang

**Ahli-Ahli**

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

Ir. Chen Harn Shean

Ir. Emeritus Prof. Dr. Zainal Abidin bin Ahmad

Ir. Dr. Ng Soon Ching

Ir. Tu Yong Eng

Ir. Sundraraj A/L A. Krishnasamy

Ir. Dr. Mui Kai Yin

Ir. Dr. Lee Yun Fook

Ir. Fam Yew Hin

Ir. Dr. Chan Swee Huat

Ir. Dr. Teo Fang Yenn

Ir. Mah Siew Kien

Ir. Noor Hisham Bin Yahaya

Ir. Vincent Chen Kim Kieong

Ir. Jayaseelan Nadarajah

**JAWATANKUASA TETAP KEMASUKAN DAN LATIHAN PRAKTIKAL**

(Standing Committee on Admissions and Practical Training)

**Pengerusi**

Ir. Dr. Tan Chee Fai

**Naib Pengerusi**

Ir. Dr. Lee Yun Fook

**Setiausaha**

Ir. Dr. Teo Fang Yenn

**Ex-Officio**

Ir. Dr. David Chuah Joon Huang

**Ahli- Ahli**

Ir. Gunasagaran a/l Kristnan

Ir. Hj. Mohd Radzi bin Salleh

Ir. Hj. Mohamed Ali Yusoff

Ir. Dr. Ahmad Kamil bin Arshad

Ir. Dr. Aminuddin bin Mohd Baki

Ir. Li Thang Fai

Ir. Dr. Jayaseelan Nadarajah

Ir. Lim Kim Ten

Ir. K. Sundraraj

Ir. Dr. Lai Khin Wee

Ir. Mohd Azha bin Abu Samah

Ir. Dr. Aidil bin Chee Tahir

Ir. Dr. Mui Kai Yin

Ir. Ng Beng Hooi

Ir. Dr. Chan Swee Huat

Ir. Dr. Ng Soon Ching

Ir. Yam Teong Sian

Ir. Yim Hon Wa

Ir. Yap Soon Hoe

Mr. Ling Teck Ping Grad. IEM (Wakil YES)

**JAWATANKUASA TETAP AMALAN PROFESIONAL**

(Standing Committee on Professional Practice)

**Pengerusi**

Ir. Dr. Wang Hong Kok

**Naib Pengerusi**

Ir. Lai Sze Ching

**Setiausaha**

Ir. Yau Chau Fong

**Ahli-Ahli**

Y.Bhg. Dato' Paduka Ir. Dr. Keizrul Abdullah

Y.Bhg. Dato' Ir. Nor Hisham Mohd Ghazali

Y.Bhg. Dato' Kapt (B) Ir. Hj. Anuar Yahya

Y.Bhg. Dato' Ir. Mohd Azmi Ismail

Ir. PE Chong

Ir. Assoc. Prof. Dr. Ahmad Kamil Arshad

Ir. Prof. Dr. Abdul Aziz Abdul Samad

Ir. Prof. Ishak bin Abdul Rahman  
 Ir. Beh Kooi Ho  
 Ir. Francis Xavier Jacob  
 Ir. Juares Rizal bin Abd. Hamid  
 Y.Bhg. Dato' Ir. Lt. Gen (B) Ismail bin Samion  
 Ir. Dr. Tan Chee Fai  
 Ir. Muhammad Farris bin Khyasudeen

#### **JAWATANKUASA TETAP AKTIVITI**

(Standing Committee on Activities)

##### **Pengerusi**

Y.Bhg. Dato' Ir. Haji Ahmad Murad bin Haji Omar

##### **Naib Pengerusi**

Ir. Gunasagaran a/l Kristnan

##### **Ahli-Ahli**

Ir. Ting Chek Choon  
 Ir. Sukhairul Nizam bin Abdul Razak  
 Ir. Prof. Dr. Jeffrey Chiang Choong Luin  
 Ir. Jeewa Vengadasalam  
 Ir. Dr. Aidil Bin Chee Tahir  
 Ir. Steven Toh Chin Kok  
 Ir. Vasani Mariappan (Wakil Pertanian Dan Makanan)  
 Ir. Yap Chee Hong (Wakil Khidmat Bangunan)  
 Ir. Dr. Teow Yeit Haan (Wakil Kimia)  
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 Ir. Rusnida Talib (Wakil WE)  
 Mr. Kuungan Thangarajoo Grad IEM (Wakil YES)

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Mr. Kuugan a/l Thangarajoo (Wakil YES)

Mr. Muhd Ashiq Marecan bin Hamid Marecan (Wakil YES)

Ms. Anis Akilah binti Ameer Ali (Wakil YES)

Mr. Lim Yiren (Wakil YES)

Mr. Ling Teck Ping (Wakil YES)

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PENERBITAN**

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**Pasukan Petugas Skim "Senior Engineer"**  
 (Task Force on IEM Senior Engineer Scheme)

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**Jawatankuasa Kecil Panel Penasihat Temuduga**  
**Profesional**  
 (Professional Interview Advisory Panel)
**Pengerusi**

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**Ahli-Ahli**

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 Engineering Technician)
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**Jawatankuasa Kecil Undang-Undang Kecil Bangunan Seragam**

(Sub Committee on "Street, Drainage And Building Act 1974 (Act 133) and Uniform Building Bylaws (Revised) 1984

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##### Pengerusi

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**Jawatankuasa Kecil Laman Web**  
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##### Pengerusi

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**Jawatankuasa Kecil Dokumentasi dan Catatan Sejarah Peristiwa IEM**

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##### Naib Pengerusi

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 Dr. Lau Chee Yong Grad. IEM  
 Ir. Roznan Abdul Rashid  
 Ir. Gary Lim Eng Hwa  
 Dr. Abdul Rahman Abdul Rahim (Co – opted)  
 Mr. Ricky Liew Chee Leong (Co – opted)  
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**Jawatankuasa Kecil bagi Perundangan yang Melibatkan Profesion Kejuruteraan**

(Sub Committee on Legislation Affecting Engineering Profession)

##### Pengerusi

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**Jawatankuasa Kecil Perlantikan Penimbangtaraan/ Lembaga Penasihat ADR.**

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Mr. Ling Teck Ping Grad. IEM

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Mr. Aaron Mok Ji Yiong Grad. IEM

Ms. Cheng Li Min Grad. IEM

Sdr. Darshan Balasubramaniam

**KEBAJIKAN DAN PERKHIDMATAN**

**Jawatankuasa 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**

Y.Bhg. 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 Grad. IEM

Sdri. Lew Tse Hwei Grad. IEM

**KEBAJIKAN DAN PERKHIDMATAN**

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

**Pengerusi**

Y.Bhg. 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 Pengawasan dan Ko-ordinasi Hal-Hal AFEO**  
 (IEM – AFEO Local Co-ordinating Committee)
**Pengerusi**

Ir. Mohd Khir bin Muhammad

**Ahli-Ahli**

Ir. Yau Chau Fong  
 Ir. Dr. David Chuah Joon Huang  
 Ir. Ong Ching Loon  
 Ir. Prof. Dr. Norlida binti Buniyamin

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

Ir. Mohd Khir bin Muhammad

**Ahli-Ahli**

Ir. Yau Chau Fong  
 Ir. Dr. David Chuah Joon Huang  
 Officers of International Secretariat

**HAL HAL KORPORAT/CORPORATE AFFAIRS**  
**Wakil Luar Negeri / Overseas Representation**  
**Wakil IEM Ke AFEO**  
 (IEM representation on AFEO)
**Wakil IEM**

Ir. Ong Ching Loon (Yang Dipertua)  
 Ir. Dr. David Chuah Joon Huang (Setiausaha Kehormat)  
 Ir. Prof. Dr. Norlida binti Buniyamin (Wakil Pengganti Yang Dipertua)

**Wakil IEM di jawatan AFEO**

Ir. Mohd Khir bin Muhammad (Setiausaha Agung AFEO)  
 Ir. Dr. David Chuah Joon Huang (Bendahari Kekormat AFEO)  
 Ir. Dr. Tan Chee Fai (Ketua Suruhanja Pendaftaran AER)  
 Y.Bhg. Dato' Ir. Lim Chow Hock (Penasihat AFEO)

**Wakil IEM di jawatan YEAFEO**

Mr. Kuugan Thangarajoo (Setiausaha Agung YEAFEO)  
 Ms. Tan Wen Jia

**Wakil IEM di jawatan WE-AFEO**

Ir. Rusnida binti Talib (Setiausaha Agung We-AFEO)  
 Ir. Sumathi Subramaniam

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

Y.Bhg. Dato' Ir. Dr. Gue See Sew  
 Ir. Dr. David Chuah Joon Huang

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

Ir. Lee Boon Chong  
 Ir. Chen Harn Shean

**Jawankuasa Kecil IPEA/APEC Review**
**Pengerusi**

Ir. Chen Harn Shean

**Naib Pengerusi**

Ir. Hoo Choon Sean

**Penasihat**

Y.Bhg. Dato' Ir. Dr. Gue See Sew  
 Ir. Lee Boon Chong

**Ahli-Ahli**

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

**HAL HAL KORPORAT/CORPORATE AFFAIRS**  
**Jawatankuasa Pendaftaran bagi APEC/Jurutera Profesional Antarabangsa**  
 (APEC/IPE Registration and Administration Committee)
**Pengerusi**

Y.Bhg. Dato' Ir. Dr. Gue See Sew

**Ahli-Ahli**

Y.Bhg. Dato' Prof. Ir. Dr. Hassan bin Basri (Wakil BEM) until 31.12.2020  
 Ir. Megat Zulhairi wef 1.1.2021  
 Alt Ir. Hizamul-din bin Ab. Rahman  
 Datuk Ir. Mohd Adnan bin Mohd Nor (Wakil ACEM)  
 Ir. Lee Boon Chong  
 Ir. Prof. Dr. Norlida binti Buniyamin  
 Ir. Ong Ching Loon  
 Ir. Chen Harn Shean  
 Ir. Fam Yew Hin  
 Ir. Yam Teong Sian  
 Ir. Prof. Dr. Leong Wai Yie  
 Ir. Dr. Tan Chee Fai  
 Ir. Mohd Aman bin Idris  
 Ir. Dr. Bhuvendhraa Rudrusamy  
 Ir. Ng Yong Kong  
 Ir. Siti Hawa Hamzah  
 Ir. Prof Megat Johari Megat Mohd. Noor  
 Ir. Mohd Azha Abu Samah  
 Ir. Benny Lau Eng Kee  
 Ir. Tiong Choong Han  
 Mr. Alex Looi Tink Huey

**HAL HAL KORPORAT/CORPORATE AFFAIRS**  
**Jawatankuasa Kecil Permohonan Pendaftaran IETA/AIET**
**Pengerusi**

Ir. Dr. David Chuah Joon Huang

**Ahli-Ahli**

Ir. Fam Yew Hin  
 Ir. Mohd Khir bin Muhammad

**HAL HAL KORPORAT/CORPORATE AFFAIRS**  
**Jawatankuasa Pendaftaran Jurutera ASEAN**  
 (ASEAN Engineers Register Executive Committee)
**Pengerusi**

Ir. Yau Chau Fong

**Ex- Officio**

Ir. Mohd Khir bin Muhammad

**Bendahari/Setiausaha**

Ir. Tuan Hj. Mohamed Ali bin Yusoff

**Ahli-Ahli**

Ir. Dr. Tan Chee Fai (Wakil Pendaftar Malaysia)  
 Ir. Dr. Lee Yun Fook (Wakil Pengganiti Pendaftar Malaysia)  
 Ir. Ooi Kah Huat  
 Ir. Prof. Dr. Leong Wai Yie  
 Ir. Razmahwata bin Mohamad Razalli  
 Ir. Abdul Razak bin Yakob  
 Dr. Tony Ong Chong Yong  
 Mr. Alex Looi Tink Huey  
 Ir. Dr. Siow Chun Lim  
 Ir. Rusnida binti Talib (Wakil Bahagian Wanita IEM)  
 Ir. Yam Teong Sian (Wakil TAM)  
 Mr. Kuungan Thangarajoo (Wakil S/S)

**HAL HAL KORPORAT/CORPORATE AFFAIRS**  
**Jawatan Luar Negeri/Overseas Representation**  
**Wakil IEM ke FEIAP**  
 (IEM representation on FEIAP)
**Bekas Yang Dipertua FEIAP**

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

**Setiausaha Agung FEIAP**

Ir. Dr. Tan Yean Chin

**Wakil IEM**

Ir. Ong Ching Loon  
 Ir. Dr. David Chuah Joon Huang

**HAL HAL KORPORAT/CORPORATE AFFAIRS**  
**Jawatan Luar Negeri/Overseas Representation**
**Wakil IEM ke AEI-EI**

Ir. Yau Chau Fong  
 Ir. Dr. Siow Chun Lim  
 Mr. Low Pek Jun  
 Ir. Ng Win Siau (Wakil AEI-EI Malaysia)

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

Ir. Ong Ching Loon

**Ahli-Ahli**

Ir. Dr. David Chuah Joon Huang  
 Ir. Mohd Khir bin Muhammad  
 Ir. Prof. Dr. Norlida binti Buniyamin

**HAL HAL KORPORAT/CORPORATE AFFAIRS**  
**Wakil Luar Negeri/Overseas Representation**  
**Wakil IEM ke WFEO/CEC**
**Yang Dipertua sebagai Wakil IEM**

Ir. Ong Ching Loon

**Setiausaha Kehormat Wakil IEM**

Ir. Dr. David Chuah Joon Huang

**Wakil IEM Pengganti**

Ir. Prof. Dr. Norlida binti Buniyamin

**Wakil IEM di APCChE**

IEM Overseas Representative in APCChE

Ir. Prof. Dr. Dominic Foo Chwan Yee

**HAL HAL KORPORAT/CORPORATE AFFAIRS**  
**JawatankuasaTempatan Pengawasan dan Ko-ordinasi**  
**FEIIC**  
 (IEM-FEIIC Local Co-ordinating Committee)
**Pengerusi**

Ir. Mohd Khir bin Muhammad

**Ahli-Ahli**

Ir. Hj. Mohamed Ali bin Yusoff  
 Prof. Ir. Megat Johari Megat Mohd Nor  
 Y.Bhg. Dato' Lt. Gen. (R) Ir. Ismail 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 FEIIC**

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

**HAL HAL KORPORAT/CORPORATE AFFAIRS**  
**Wakil Luar Negeri/Overseas Representation**
**Wakil IEM ke J/K Tenaga AFEO**

Ir. Francis Xavier Jaccob  
 Mr. Alex Looi Tink Huey

**JAWATANKUASA ADHOC**
**Wakil IEM ke Lembaga Jurutera Malaysia**  
 (IEM Representatives on the Board of Engineers Malaysia)

**Wakil**

Ir. Tan Yean Chin  
 Ir. David Lai Kong Phooi  
 Ir. Lai Sze Ching  
 Ir. Ishak bin Abdul Rahman  
 Ir. Dr. Ahmad Anuar bin Othman

**TASK FORCE FOR PREPARATION OF ENGINEERING GUIDELINES ON THE PREVENTION AND CONTROL OF DENGUE**
**Pengerusi**

Y.Bhg. Dato' Ir. Lim Chow Hock

**Deputy Chairman**

Ir. Cheah Kam Loong, John  
 Ir. Assoc. Prof. Dr. Hayati binti Abdullah  
 Ir. Yau Ann Nian (Wakil P. Pinang)  
 Ir. Dr. Chang Chun Kiat  
 Ir. Yeong Chin Chow, Simon (Wakil Perak)  
 Ir. Chong Chee Yen (Wakil N. Sembilan)  
 Ir. Chin Tet Fu, Willy (Wakil Sabah)  
 Ir. Dr. Mohamad Shaiful Ashrul bin Ishak (Wakil Kedah)  
 Ir. Thayala Rajah C. Selvaduray (Wakil Selatan)  
 Ir. Gunasagaran a/l Kristnan (Wakil Lebuhraya Dan Pengangkutan)  
 Mr. Vincent Khaw Wei Chuen (Wakil Kimia)  
 Dr. Abd. Rahman bin Abdul Rahim (Wakil Pengurusan Projek)  
 Ir. Dr. Teo Fang Yenn (Wakil Alam Sekitar)  
 Ir. Gary Lim Eng Hwa (Wakil Khidmat Bangunan)  
 Ir. Low Kai Wah (Wakil Awam Dan Struktur)  
 Ir. C. Kamalesen a/l Chandrasekaran (Wakil Sumber Air)  
 Ir. Lim Chee Kiang (Wakil Sumber Air)  
 Ir. Tajul Ariffin bin Mohamed Nori (Wakil Mekanikal)

**Jawatankuasa Pengawalan Pendaftaran Nasional Jurutera ASEAN**  
 (ASEAN Engineers Register National Monitoring Committee)

**Pengerusi**

Ir. Dr. Tan Chee Fai

**Ahli-Ahli**

Ir. Dr. Lee Yun Fook  
 Ir. Yau Chau Fong  
 Ir. Yim Hon Wa  
 Mr. Kuugan Tangarajoo  
 Ir. Rusnida binti Talib  
 Ir. Yau Ann Nian  
 Ir. Teo Ki Yuee  
 Ir. Wong Siong Ung  
 Ir. Dr. Oh Seong Por  
 Ir. Abdul Razak Ali  
 Mr. Liew Kar Hoe, Nick  
 Ir. Dr. Mohamad Shaiful Ashrul bin Ishak  
 Ir. Puvanasvaran Perumal  
 Ir. Tan Kok Jyh  
 Ms. Jacquelyne Anne Boudeville  
 Ir. Fam Yew Hin  
 Ir. Chen Harn Shean  
 Mr. Alex Looi Tink Huey Grad. IEM  
 Ir. Dr. Lee Yun Fook  
 Y.Bhg. Datuk Ir. Mohd Adnan bin Mohd Nor (Wakil ACEM)  
 Y.Bhg. Dato' Ir. Prof. Dr. Hassan bin Basri (Wakil BEM)  
 Ir. Hizamul-din bin Ab. Rahman (Alt)

**JAWATANKUASA ADHOC**
**Jawatankuasa Penganugerahan IEM**  
 (IEM Awards Committee)

**Pengerusi**

Ir. Dr. Tan Yean Chin

**Ahli-Ahli**

Ir. David Lai Kong Phooi  
 Ir. Lai Sze Ching  
 Ir. Lee Boon Chong  
 Ir. Prof. Dr. Jeffrey Chiang Choong Lwin  
 Ir. Prof. Dr. Ruslan bin Hassan  
 Ir. Prof. Dr. Norlida binti Buniyamin  
 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 DAN KUMPULAN**  
*(TECHNICAL DIVISIONS AND GROUPS)*
**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. Mak Wai Kin

Ir. Allan Chwee Yew Lun

Ir. Mohd Jamil bin Ali

Mr. Richard Ong Tiam Hwa, Grad. IEM

Mr. Saw Hong Seik Grad. IEM

Ir. Dr. Ooi Teik Aun (Co – opted)

Ir. Kenny Yee Kwong Sing (Co – opted)

Ir. Kwang Kim Lup (Co – opted)

Dr. Ng Soon Min Grad. IEM (Co – opted)

Mr. Loh Wooi Chuan Grad. IEM (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**

Mr. Alex Looi Tink Huey Grad. IEM

Ir. Amir Hussein bin Jaafar

Ir. Tejinder Singh

Ir. Nur Azhani binti Mohamad Rosli

Mr. Kwok Yew Hoe Grad. IEM

Mr. Ooi Ban Juan Grad. IEM

Ir. Shamila Ariaratnam (Co – opted)

Ir. Gan Tian Eng (Co – opted)

Mr. Yuvaraja Gokulabalaji Grad. IEM (Co – opted)

Mr. Muhd Ashiq Marecan bin Hamid Marecan Grad. IEM

(Co – opted)

Mr. Chan Chi Yen 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. Dr. Teow Yeit Haan

**Penasihat**

Ir. Dr. Lee Tin Sin

**Ahli-Ahli**

Ir. Thayananthan Balakrishnan

Ir. Prof. Dr. Dominic Foo Chwan Yee

Dr. Ang Wei Lun

Mr. Vincent Khaw Wei Chuen

Ms. Eunice Phang Siew Wei

Ir. Mohammad Fadhli bin Mat Shah

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

Dr. Hazlina binti Husin (Co – opted)

Mr. Mohd Fauzi Zani (Co – opted)

Mr. Ho Kah Chun (Co – opted)

Ir. Prof. Dr. Tee Tiam Ting (Co – opted)

Mr. Mohamad Anwar Ahmad (Observer)

Mr. Ong Wei Rex (Observer)

**BAHAGIAN TEKNIK KEJURUTERAAN PERTANIAN  
 DAN MAKANAN**  
 (Agricultural and Food Engineering Technical Division)
**Pengerusi**

Ir. Hor Kok Luen

**Timbalan Pengerusi**

Ir. Mohd Fazly bin Mail

**Setiausaha / Bendahari**

Ir. Ayob bin Sukra

**Penasihat**

Ir. Vasan Mariappan

**Ahli-Ahli**

Ir. Yong Hong Liang

Ir. Wendy Ooi Mong Lee

Ir. Ooi Ho Seng

Ir. Surayya binti Ahmad Sofian

Ir. Wan Wai Thong

Ir. Mohd Abd Hafiz bin Zakaria

Ir. Prof. Dr. Yus Aniza binti Yusof (Co – opted)

Ir. Goh Su Kin (Co – opted)

En. Mohd Shafiq bin Idris (Co – opted)

**BAHAGIAN TEKNIK KEJURUTERAAN SUMBER AIR**  
 (Water Resources Technical Division)
**Pengerusi**

Ir. C. Kamalesen a/l Chandrasekaran

**Timbalan Pengerusi**

Y.Bhg. Dato' Kapt. (B) Ir. Hj. Anuar bin Hj. Yahya

**Setiausaha / Bendahari**

Ir. Low Sheue Lih (Shirley)

**Penasihat**

Y.Bhg. Dato' Ir. Hj Mohd. Azmi bin Ismail

**Ahli-Ahli**

Ir. Dr. Wong Wai Sam

Y.Bhg. Dato' Ir. Haji Hanapi bin Mohamad Noor

Ir. Dr. Tony Chan Tuck Leong

Mr. Cheok Hou Seng Grad. IEM

Ms. Noor Aishah binti Zaharin

Ir. Sazali bin Osman (Co – opted)

Ir. Ellias bin Saidin (Co – opted)

Ir. John Lim Chee Kiang (Co – opted)

Ms. Wong Koh Yin Grad. IEM (Co – opted)

Ir. Dr. Chang Chun Kiat (Co – opted)

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

Ir. Dr. Lee Choo Yong

**Timbalan Pengerusi**

Ir. Dr. Mui Kai Yin

**Setiausaha / Bendahari**

Ir. Dr. Huzein Fahmi Bin Hawari

**Penasihat**

Ir. Dr. Khor Jeen Ghee

**Ahli-Ahli**

Ir. Lim Kee Weng, Bernard

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

Ir. Wong Jian Choon

Ir. Dr. Tan Kim Seah Grad. IEM

Ir. Chun Teik Cheow

Dr. Ooi Beng Lee Grad. IEM

Dr. Lim Kok Sing

Mrs. 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 Chee Tahir

**Setiausaha / Bendahari**

Ir. Dr. Alvin Yap Chee Wei

**Penasihat**

Ir. Loo Chee Kin

**Ahli-Ahli**

Ir. Hasril bin Hasini

Ir. Dr. Harris bin Abd Rahman Sabri

Ir. Tajul Ariffin bin Mohamed Nori

Mr. Ricky Liew Chee Leong S.Grad. IEM

Dr. Sara Lee Kit Yee Grad. IEM

Mr. Nor Azilan bin Jaafar Grad. IEM

Mr. Ramesh Sabapathy (Co – opted)

Dr. Lim Chin Seong Grad. IEM (Co – opted)

Ir. Ding Ju Liang (Co – opted)

Dr. Ravinthran Mariappan (Co – opted)

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

Ir. Low Kai Wah

**Timbalan Pengerusi**

Ir. Dr. Kwong Kok Zee

**Setiausaha / Bendahari**

Ir. Lo Seng Ling

**Penasihat**

Ir. Chong Chee Meng

**Ahli-Ahli**

Ir. Jimmy Wan Yoon Hin

Dr. Chua Yie Sue

Dr. Sudharshan N. Raman

Ir. Yasotha Ramachandran Chetty

Ir. Ng Beng Hooi

Dr. Lee Sim Yee

Ir. Prof. Dr. Mohd Zamin bin Jumaat (Co – opted)

Ir. Hooi Wing Chuen (Co – opted)

Ir. Dr. Ng Soon Ching (Co – opted)

Ir. Tu Yong Eng (Co – opted)

Ms. Wong Ai Ming (Co – opted)

Ms. Lim Yen Sue (Observer)

Ir. Dr. Anizahyati binti Alisibramulisi (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. Ung Ah Hock  
 Ir. Al-Khari Mohd Daud  
 Ir. Tan Chew  
 Ir. Wong Chu Loong  
 Ir. Thevarajan G. Shanmugan  
 Ir. Leong Hon Wah  
 Ir. Gary Lim Eng Hwa (Co – opted)  
 Ir. Loo Wen Siang (Co – opted)  
 Ms. Irin Kang (Co – opted)  
 Ir. Yong Gee Suan (Co – opted)  
 Ir. Marcus Ng Yen Cheong (Co – opted)

**BAHAGIAN TEKNIK KEJURUTERAAN LEBUHRAYA DAN PENGANGKUTAN**

(Highway and Transportation Engineering Technical Division)

**Pengerusi**

Ir. Assoc. Prof. Dr. Khoo Hooi Ling

**Timbalan Pengerusi**

Ir. Assoc. Prof. Edwin Goh Boon Hoe

**Setiausaha / Bendahari**

Ir. William Devabalan R. N. Arulsingam

**Bekas Pengerusi**

Ir. Richard Wong Chuen Fun

**Ahli-Ahli**

Ir. Foo Kam Fai  
 En. Syed Khairi bin Syed Abbas  
 Ir. K.S. Asitha a/p Krishnan Sivasankaran  
 Ir. Vijaykumar Balachand (Co – opted)  
 Dr. Siti Zaharah Ishak Grad. IEM  
 Mr. Omar A. Mohsen M.Grad. IEM

**KUMPULAN KECENDERONGAN KHAS JURUTERA SEKTOR AWAM**

(Public Sector Engineers Special Interest Group)

**Pengerusi**

Ir. Boey Wei Lun, Francis

**Timbalan Pengerusi**

Ir. Shahidan bin Sadiman

**Setiausaha / Bendahari**

Ir. Syed Rajah Hussain Shaib bin A.H. Mohd Haniff

**Penasihat**

Ir. Mustafa Tek

**Ahli-Ahli**

Ir. Bhupinder Singh Brar a/l Kirpal Singh Brar  
 Dr. Sang Yew Ngin  
 Ir. Wan Mohd Azhar Hussein bin Wan Omar  
 Ir. Gerard Ng Choo Geon  
 Ir. Mohamad Zaid bin Mohamad Ali  
 Ir. Mohamad Asri bin Yusoff  
 Y.Bhg. Datuk Ir. Lt. Kol. Kamarulzaman Zainal (Rtd) (Co – opted)  
 Ir. Ahmad Nazmi bin Zaim (Co – opted)  
 Ir. Assoc. Prof. Dr. Nik Rosli bin Abdullah (Co – opted)

**BAHAGIAN TEKNIK KEJURUTERAAN MINYAK, GAS DAN GALIAN**

(Oil, Gas and Mining Technical Division)

**Pengerusi**

Ir. Abdul Razak bin Yakob

**Timbalan Pengerusi**

Ir. Lee Chang Quan

**Setiausaha / Bendahari**

Ir. Muhamad Her bin Hj. Jantan

**Penasihat**

Ir. Roznan bin Abdul Rashid

**Ahli-Ahli**

Ir. Nur Azhani binti Mohamad Rosli  
 Ms. Anati Aqilah binti Abdul Rahman Grad. IEM  
 Ayesha Nafisah binti Ahmad Fadzil Grad. IEM  
 Ir. Fadhli Shazlan bin Abdul Rahman  
 Ir. Azizul Azuan bin Sahrum @ Md. Daud  
 Ir. Look Keman bin Sahari  
 Ir. Razmahwata bin Mohamad Razalli (Co – opted)  
 Ir. Al-Khairi bin Mohd Daud (Co – opted)  
 Ir. Ahmad Rafidi bin Mohayiddin (Co – opted)  
 Ir. Thamin Anser bin Habibullah Khan (Co – opted)  
 Ir. Tengku Fadziliaton binti Engku Muhammad Din (Co – opted)  
 Ir. Danaraj a/l Chandrasegaran (Observer)  
 Mr. Ghazali bin Safie (Observer)  
 Ir. Mohd Azwira bin Mohd Azmi (Observer)

**BAHAGIAN TEKNIK KEJURUTERAAN PENDIDIKAN  
KEJURUTERAAN**

(Engineering Education Technical Division)

**Pengerusi**

Ir. Prof. Dr. Mohamed Thariq bin Haji Hameed Sultan

**Timbalan Pengerusi**

Ir. Dr. Balamurugan a/l Annamalai Gurunathan

**Setiausaha**

Ir. Dr. Dhakshyani Ratnadurai

**Penasihat**

Ir. Prof. Dr. Mandeep Singh

**Ahli-Ahli**

Ir. Ainon Shakila Shamsuddin  
 Ir. Dr. Lohgheswary a/p Nagarethinam  
 Ir. Dr. Baljit Singh  
 Ir. Dr. Shahrudin Muslimin  
 Ir. Prof. Dr. Vinesh Thiruchelvam  
 Ir. Zainon Sharmila Shamsuddin  
 Ir. Sukhairul Nizam bin Abdul Razak (Co - opted)  
 Ir. Mathan Sambu (Co – opted)  
 Ir. Yong Hong Lee (Co – opted)  
 Ir. Chew Weng Yuen (Co – opted)  
 Ir. Assoc. Prof. Dr. Jeevan a/l Kanesan @ Ganeshamorty  
 (Co – opted)  
 Mr. Nagentrau a/l Muniandy (Observer)  
 Mr. Kumaresan Magaswaran (Observer)

**BAHAGIAN TEKNIK PENGURUSAN PROJEK**

(Project Management Technical Division)

**Pengerusi**

Ir. Dr. Nor Azhar bin Mohd Arif

**Timbalan Pengerusi**

Ir. Dr. Harris bin Abd Rahman Sabri

**Setiausaha / Bendahari**

Ir. Assoc. Prof. Dr. Syuhaida Ismail

**Penasihat**

Ir. Vincent Wong Khien Ngie

**Ahli-Ahli**

Ms. Ainarull Assikin binti Abdul Hadi Grad. IEM  
 Ir. Nur Azhani binti Mohamad Rosli  
 Assoc. Prof. Dr. Abd. Rahman bin Abdul Rahim Grad. IEM  
 Mr. Mohd Hafis bin Ahmad Grad. IEM  
 Ir. Noor Iziddin Abdullah bin Ghazali  
 Ir. Faizal Abdullah Sanusi  
 Y.Bhg. Dato' Ir. Dr. Ahmad Anuar bin Othman (Co – opted)  
 Ir. Chia Chee Weng, Derick (Co – opted)  
 Ir. Wan Rizaluddin Abdullah bin Wan Ali (Co – opted)  
 Ir. Dr. Abang Annuar bin Ehsan (Co – opted)

**BAHAGIAN TEKNIK KEJURUTERAAN TEROWONG  
DAN RUANG BAWAH TANAH**

(Tunnelling and Underground Space Technical Division)

**Pengerusi**

Ir. Dr. Ooi Teik Aun

**Timbalan Pengerusi**

Ir. Ong Sang Woh

**Setiausaha / Bendahari**

Ir. Frankie Cheah Peng Leong

**Penasihat**

Ir. Khoo Chee Min

**Ahli-Ahli**

Dr. Boon Chia Weng  
 Ir. Alexis Pong Vui Wei  
 Ir. Dr. Rini Asnida Abdullah  
 Ir. Stanley Low Soon Aik  
 Mr. Abdul Qadir bin Jailani  
 Mr. Karthigenyan a/l Ramanathan  
 Ir. Neo Boon Kheng (Co – opted)  
 Mr. Ang Ming Huei (Co – opted)  
 Ir. Yee Thien Seng (Co – opted)  
 Dr. Siti Norafida binti Jusoh (Co – opted)  
 Mr. Harry Fang Zhong Tong (Co – opted)

**KUMPULAN KECENDERUNGAN KHAS TEKNOLOGI  
MAKLUMAT DAN KOMUNIKASI**
(Information and Communications Technology  
Special Interest Group)**Pengerusi**

Ir. Dr. Yasser Asrul Ahmad

**Timbalan Pengerusi**

Ir. Amir Hussein bin Jaafar

**Setiausaha / Bendahari**

Ir. Hor Kok Luen

**Bekas Pengerusi**

Ir. Lee Mun Poh

**Penasihat**

Ir. Chai Chen Sing

**Ahli-Ahli**

Ir. Chee Shai Choon Grad. IEM  
 Ir. Foo Jong Wee  
 Dr. Hoh See Min Grad. IEM  
 Ir. Ooi Mong Lee, Wendy  
 Ir. Ong Tze Heng  
 Sdri. Ong Joey  
 Ir. Chien Fan Chee, Gary (Co – opted)  
 Ir. Phang Chee Man (Co – opted)  
 Ir. Pu Chuan Hsian, Daniel (Co – opted)  
 Ir. Peter, Kwok Pin Yook (Co – opted)  
 Mr. Ahmad Fathi bin Zainazlan (Co – opted)

**BAHAGIAN TEKNIK KEJURUTERAAN MARIN DAN SENIBINA KAPAL**

(Marine Engineering and Naval Architecture Technical Division)

**Pengerusi**

Ir. Roznan bin Abdul Rashid

**Timbalan Pengerusi**

Ir. Lim Leong Bok

**Setiausaha / Bendahari**

Ir. Teh Teoh Hai

**Ahli-Ahli**

Ir. Dr. Ching Yern Chee

Rear Admiral Dato' Pahlawan Ir. Hj. Jasan Ahpandi bin Sulaiman (Rtd)

Ir. Prof. Dr. Mohd Rizal bin Arshad

Ms. Maziah Suraya binti Abd Majid Grad. IEM

Ir. Prof. Dr. Ab. Saman bin Abd Kader

Ir. Abdul Malik Hussein bin Abdul Jalil

Laksamana Muda Datuk Ir. Mohd Shaiful Adli Chung bin Abdullah (Co – opted)

Prof. Dr. Adi Maimun bin Haji Abd. Malik Grad. IEM

(Co – Opted)

**BAHAGIAN TEKNIK KEJURUTERAAN ALAM SEKITAR**

(Environmental Engineering Technical Division)

**Pengerusi**

Ir. Tang Boon Heng

**Timbalan Pengerusi**

Ir. Jaya Chandar a/l Poloha Nadan

**Setiausaha/Bendahari**

Ir. Teoh Boon Lai

**Penasihat**

Ir. Choo Chee Ming

**Ahli-Ahli**

Ir. Lee Heng Keng

Ir. Daniel Lim Tian Lu

Ir. Dr. Teo Fang Yenn

Mr. Lim Yong Jian Grad. IEM

Ir. Dr. Lai Mun Kou

Ir. Abd. Rahman bin Kadir

Mr. Tan Yen Chen Grad. IEM (Co – opted)

Ir. Wong Swee On (Co – opted)

Ir. Tan Seng Khee (Co – opted)

Ir. Fan Hong Poh (Co – opted)

Ir. Hooi Kam Seng (Co - opted)

Ir. Santha Kumaran a/l Erusan @ Krishnan (Observer)

**KUMPULAN KECENDERUNGAN KHAS JURUTERA PERUNDING**

(Consulting Engineers Special Interest Group)

**Pengerusi**

Ir. Yim Hon Wa

**Timbalan Pengerusi**

Ir. Dr. Tan Chee Fai

**Setiausaha / Bendahari**

Ir. Ravindra Masilamoney

**Penasihat**

Ir. Vignaeswaran a/l Shanmuganathan

**Ahli-Ahli**

Ir. Chin Jik Leong

Ir. Lalchand a/l Gulabrai

Mr. Muhd Ashiq Marecan bin Hamid Marecan Grad. IEM

Ir. Tejinder Singh

Ir. Nee Chow Kit

Mr. Dinesh Manoharan Grad. IEM (Co – opted)

Ir. Kamalesen Chandrasekaran (Co – opted)

Ir. Subramaniam a/l K.S. Gopala Iyer (Co – opted)

Ir. Kesavan Jaganathan (Co – opted)

Ir. Dr. Ng Kok Chiang (Co – opted)

Mr. Chua Wen – Shyan (Co – opted)

**PEMBANGUNAN KEJURUTERAAN BANDAR**

(Urban Engineering Development Special Interest Group)

**Pengerusi**

Ir. Tiong Choong Han

**Timbalan Pengerusi**

Ir. Ng Sean Lok

**Setiausaha**

Ir. Koh Wei Sang

**Penasihat**

Ir. Phillip Wong

**Ahli-Ahli**

Mr. Tay Tee Tiong

Dr. Maggie Ooi Chel Gee

Ir. Dr. Wang Hong Kok

Ir. Jagjeet Singh Sidhu a/l Charan Singh

Ir. Azhar bin Azmi

Ir. Kenny Chia

**BAHAGIAN SISWAZAH DAN SISWA**

(Young Engineers Section/Graduate &amp; Student Section)

**Pengerusi**

Mr. Kuugan Thangarajoo

**Naib Pengerusi (I)**

Mr. Naveen Kumar Grad. IEM

**Naib Pengerusi (II)**

Mr. Lim Yiren Grad. IEM

**Setiausaha/Bendahari**

Ms. Tan Wen Jia Grad. IEM

**Penasihat**

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

**Bekas Pengerusi Terakhir**

Dr. Yew Weng Kean Grad. IEM

**Ahli-Ahli**

Mr. Ling Teck Ping Grad. IEM

Ms. Jacquelyne Anne Boudeville Grad. IEM

Sdr. Darshan Balasubramaniam Grad. IEM

Mr. Muhd Ashiq Marecan bin Hamid Marecan Grad. IEM

Sdri. Anis Akilah binti Ameer Ali

Ms. Lew Tse Hwei, Gwen Grad. IEM

Sdr. Tan Kai Hee (Co – opted)

Mr. Teo Yow Chuan Grad. IEM (Co – opted)

Sdr. Chuah Pei Lim (Co – opted)

Sdr. Mageswaran a/l Ravi Chandran (Co – opted)

**KUMPULAN KECENDERONGAN KHAS WARGAMAS**

(Seniors Special Interest Group)

**Pengerusi**

Ir. Lalchand a/l Gulaibrai

**Timbalan Pengerusi**

Ir. Chow Sei Ying, Raymond

**Setiausaha**

Ir. Yvonne Fernandez

**Penasihat**

Ir. Khor Hock Keat, Michael

**Ahli-Ahli**

Ir. Ling Sieh Kieng, Johnny

Ir. Lee Sheu Tiong, Jeffrey

Ir. Dr. Zainal Fitri bin Haji Zainal Abidin

Ir. Khor Hock Keat, Michael

Mr. Dinesh Manoharan Grad. IEM

**BAHAGIAN JURUTERA WANITA**

(Women Engineers Section)

**Pengerusi**

Ir. Rusnida binti Talib

**Timbalan Pengerusi I**

Ir. Noorfaizah binti Hamzah

**Timbalan Pengerusi II**

Ir. Yap Wai Leng

**Setiausaha**

Dr. Zahiraniza binti Mustafa

**Bendahari**

Ir. Sumathi a/p Subramaniam

**Bekas Pengerusi**

Ir. Mah Siew Kien

**Ahli-Ahli**

Dr. Habibah Haron Grad. IEM

Ms. Michelle Lau Chui Chui Grad. IEM

Ms. Choong Pooi Ying Grad. IEM

Ms. Lock Sow Mei, Irene Grad. IEM

Ir. Dr. Zuhaina Haji Zakaria

Ir. Raftah Mahfar

**CAWANGAN**  
 (REGIONAL BRANCHES)

**CAWANGAN PENANG**  
 (Penang Branch)
**Pengerusi**

Ir. Yau Ann Nian

**Naib Pengerusi (I)**

Ir. Heng Lee Sun

**Naib Pengerusi (II)**

Ir. Bernard Lim Kee Weng

**Setiausaha Kehormat**

Ir. Dr. Leo Choe Peng

**Bendahari Kehormat**

Ir. Tean Sze Nee

**Ahli-Ahli**

Ir. Chan Wah Cheong

Ir. Darren Khoo Jun Chieh

Ir. Dr. Yee Hooi Min

Ir. Khor Jeen Ghee

Ir. Lian Shin Wai

Ir. Catherine Sim Siew Peng

Ir. Fong Choon Fuoi

Ir. Dr. Chang Chun Kiat

Mr. Wong Kok Nian (YES rep)

Mr. Loh Kwan Jou (YES rep)

**Bekas Pengerusi Terakhir**

Ir. Ting Chek Choon

**CAWANGAN SABAH**

(Sabah Branch)

**Pengerusi**

Ir. Jeffrey Ng Vun Ping

**Naib Pengerusi (I)**

Ir. Willy Chin Tet Fu

**Naib Pengerusi (II)**

Ir. Mohd. Yaakob Jaafar

**Setiausaha Kehormat**

Ir. Tan Kok Jyh

**Bendahari Kehormat**

Ir. Paul Yap Kok Wai

**Ahli-Ahli**

Ir. Andrew S.R. Amaladoss

Ir. Kenny Lok Chih Liang

Ir. Kevin Soo Zine Shen

Ir. Dr. Michael Tay Tshung Wang

Ir. Tan Kian Guan

Ir. Sunderaeswaran Nayar

**CAWANGAN SELATAN**  
 (Southern Branch)
**Pengerusi**

Ir. Wong Yee Foong

**Naib Pengerusi (I)**

Ir. Kamisan bin Turiman

**Naib Pengerusi (II)**

Ir. Selvaduray Thayala Rajah

**Setiausaha Kehormat**

Ir. David Puen Ming Shen

**Bendahari Kehormat**

Ir. Nguée Chin Seng

**Ahli-Ahli**

Ir. Prof. Dr. Sharul Kamal bin Abdul Rahim

Ir. Rosmadi bin Zamri

Ir. Bence Chng Yu Leng

Ir. Shahrul Idzham bin Zainon Aznan

**Bekas Pengerusi Terakhir**

Ir. Teo Kiyuee

**CAWANGAN NEGERI SEMBILAN**

(Negeri Sembilan Branch)

**Pengerusi**

Ir. Chong Chee Yen

**Naib Pengerusi (I)**

Ir. Athirah binti Mustamir Dt. Bandharo

**Naib Pengerusi (II)**

Ir. Khoo Nee Keong, Richard

**Setiausaha Kehormat**

Ir. Hazlin bin Harun

**Bendahari Kehormat**

Ir. Kanna Dasan Narayanasamy

**Ahli-Ahli**

Ir. Azizi bin Ahamad

Ir. Mohamad Firdaus bin Zainal

Ir. Prem Rakesh Subramaniam

Ir. Chee Shai Choon

**Bekas Pengerusi Terakhir**

Ir. Dr. Oh Seong Por

**CAWANGAN PERAK**

(Perak Branch)

**Pengerusi**

Ir. Simon Yeong Chin Chow

Ir. Jess Vun Wey Tyng  
 Ir. Wong Chen Jack

**Bekas Pengerusi Terakhir**  
 Ir. Dr. James Yong Hon Min

**CAWANGAN MELAKA**  
 (Malacca Branch)

**Pengerusi**  
 Ir. Assoc. Prof. Dr. Puvanasvaran a/l A. Perumal

**Naib Pengerusi (I)**  
 Ir. Ronnie Neo Hai Fun

**Naib Pengerusi (II)**  
 Ir. Ong Yee Pin

**Setiausaha Kehormat**  
 Ir. Lim Su Hian

**Bendahari Kehormat**  
 Ir. Lam Choon Kay

**Ahli-Ahli**  
 Ir. Mohd. Afif bin Kasno  
 Ir. Mohd Fairus bin Mohd Rashid  
 Ir. Lam Ah Hang  
 Ir. Suresh Kumar a/l Ganesan

**Bekas Pengerusi**  
 Ir. Ooi Kah Huat

**CAWANGAN KEDAH-PERLIS**  
 (Kedah/Perlis Branch)

**Pengerusi**  
 Ir. Dr. Mohamad Shaiful Ashrul bin Ishak

**Naib Pengerusi (I)**  
 Ir. Roshasmawi bin Abdul Wahab

**Naib Pengerusi (II)**  
 Ir. Haji Shahrom bin Man

**Setiausaha Kehormat**  
 Ir. Abdur Rahman Azzam bin Che Sobry

**Bendahari Kehormat**  
 Ir. Rosafizawati binti Shuib

**Ahli-Ahli**  
 Ir. Jamaluddin bin Abdullah  
 Ir. Haji Ahmad Zukri bin Mat Noh  
 Ir. Shahrul Bazli bin Shahrudin  
 Ir. Sumantri bin Abd. Hadi  
 Ir. Sharudin bin Halim

**Bekas Pengerusi Terakhir**  
 Ir. Haji Abdullah bin Othman

**Naib Pengerusi (I)**  
 Y.Bhg. Dato' Sri Ir. Dr. Liew Mun Hon

**Naib Pengerusi (II)**  
 Ir. Dr. Nursyarizal Mohd Noor

**Setiausaha Kehormat**  
 Ir. Loh Ban Ho

**Bendahari Kehormat**  
 Ir. Tiah Oon Han

**Ahli-Ahli**  
 Ir. Mohd. Nasharuddin Hashim  
 Ir. Dr. Sean Chan Seong Phun  
 Ir. Bryan Ng Horng Heng  
 Ir. Suhaini Ahmad  
 Ir. Nick Liew Kar Hoe  
 Ir. Cheong Wei Hao  
 Ir. Bryan Ng Horng Heng  
 Ir. Darren Chin Woo Kheong

**Bekas Pengerusi**  
 Ir. Abdul Razak Ali

**CAWANGAN PAHANG**  
 (Pahang Branch)

**Pengerusi**  
 Ir. Dr. Ahmad Kamal Kunji

**Naib Pengerusi (I)**  
 Ir. Abu Bakar Md. Sidek

**Naib Pengerusi (II)**  
 Ir. Harzah Masni Ramli

**Setiausaha Kehormat**  
 Ir. Ab. Rahman Hashim

**Bendahari Kehormat**  
 Ir. Dr. Norbaiti Jaraba

**Ahli-Ahli**  
 Y.Bhg. Dato' Ir. Dr. Badhulhisham Abdul Aziz  
 Ir. Prof. Dr. Wan Azhar bin Wan Yusoff  
 Ir. Dr. Azhani binti Zukri  
 Ir. Zakaria bin Muhammad  
 Ir. Muhd Resdi bin Abd Manaf  
 Ir. Dr. Chin Siew Choo  
 Ir. Syed Mohd Syawal bin Syed Ahmad  
 Ir. Hj. Mansor bin Ibrahim  
 Ir. Dr. Mohd Rashidi bin Maarof  
 Ir. Dr. Nik Mohd bin Nik Mohamed Zuki  
 Ir. Mohd Azrul Nizam bin Mohd Zahir  
 YM Tengku Besaruddin Shah Tengku Yaakob  
 Ir. Hafizah Zakaria  
 Ir. Haji Shamil Abu Hassan  
 Dr. Marzuki Ab. Rahman  
 Pn. Siti Hanis Syazana Mohamad

**CAWANGAN SARAWAK**  
 (Miri Branch)
**Pengerusi**

Ir. Wong Siong Ung ,Sean

**Naib Pengerusi (I)**

Ir. Meheron Selowara Joo

**Naib Pengerusi (II)**

Ir. Chong Boon Hui

**Setiausaha Kehormat**

Ir. Chien Hui Liang, William

**Bendahari Kehormat**

Ir. Ng Soon Hee, Nelson

**Ahli-Ahli**

Ir. Chin Teck Eng, Desmond

Ir. Ting Nik Kiat

Ir. Wong Kwong Soon

Ir. Tian Fung Wang

**Bekas Pengerusi Terakhir**

Ir. Dr. Lau Hieng Ho

**CAWANGAN SARAWAK**  
 (Sarawak Branch)
**Pengerusi**

Ir. Haidel Heli

**Naib Pengerusi (I)**

Ir. Tan Joo Kok, Vincent

**Naib Pengerusi (II)**

Y.Bhg. Dato' Ir. Janang Ak Bungsu

**Setiausaha Kehormat**

Ir. Sim Hui Kheng, Stephanie

**Bendahari Kehormat**

Ir. Law Sie Ding, Jonathan

**Ahli-Ahli**

Ir. Dr. Liew San Chuin, Angelia

Ir. Lee Mei Ping

Ir. Yii Huong Swee, Justin

Ir. Edna Matthew Ruji

Ir. Bernard Chong Yin Shik

Ir. Hj. Abang Asri bin Hj. Ariffin

**Bekas Pengerusi Terakhir**

Y.Bhg. Dato' Ir. Sharuddin bin Mohd Simin

**CAWANGAN KELANTAN**  
 (Kelantan Branch)
**Pengerusi**

Ir. Shaipuddin bin Shapii

**Naib Pengerusi (I)**

Ir. Hj. Nik Ab. Hadi bin Hassan

**Naib Pengerusi (II)**

Ir. Noor Zaidi bin Abdullah

**Setiausaha Kehormat**

Ir. Mohd Zaidi bin Che Mod

**Bendahari Kehormat**

Ir. Awang @ Abdul Halim bin Taib

**Ahli-Ahli**

Ir. Roslim bin Che Ibrahim

Ir. Abu Hanifah bin Yusof

Ir. Ahmad Hazley bin Mat Yusoh

Ir. Amrulhafiz bin Ashari

Ir. Zakaria bin Daud

Ir. Nurmawaddah binti Mohd Idris

Sdr. Nik Ahmad Hannan bin Nik Mohd Zaid (Wakil YES)

**CAWANGAN TERENGGANU**  
 (Terengganu Branch)
**Pengerusi**

Y.Bhg. Dato' Ir. Wan Nazari bin Wan Jusoh.

**Naib Pengerusi (I)**

Ir. Ahmad Nazari bin Ashari

**Naib Pengerusi (II)**

Ir. Zakaria bin Abdullah

**Setiausaha Kehormat**

Ir. Emiliawati binti Mat Lazim

**Bendahari Kehormat**

Ir. Zamzuri bin Aziz

**Ahli-Ahli**

Ir. Mazlan bin Che Ku Ahmad

Ir. Mohd Anuar bin Abdul Ghani

Ir. Zaizul Imran bin Zainal

Ir. Wan Ibrahim bin Wan Said

Prof. Madya Ir. Dr. Mohammad Fadhli bin Ahmad

Ir. Abd. Karim bin Abd Rahman

Ir. Mohd Jailani bin Harun

Ir. Dr. Zulzilawati binti Jusoh

Ir. Nina Imelda binti Mohamad Sulanah (Wakil WES)

**Bekas Pengerusi Terakhir**

Ir. Hj. Abdullah Zawawi bin Mohd Noor

**AHLI-AHLI JAWATANKUASA PENGELOLA/PASUKAN BERTINDAK**  
 (ORGANISING COMMITTEES / TASK FORCE)

**JAWATANKUASA PENGELOLA**
**Jawatankuasa Pengelola Pertandingan “CHEM-E-CAR  
Kebangsaan KE 15 (2021)**

 (Organising Committee for 15th Malaysian Chem-E-Car  
Competition 2021)

**Pengerusi**

Mr. Mohd Fauzi Zani

**Ahli-Ahli**

Dr. Azry bin Borhan  
 En. Abdul Hakim Hj. Abu Bakar Grad. IEM  
 Mr. Badrulhaswan bin Besar  
 Mr. Junaidi bin Zakaria  
 Dr. Wong Voon Loong  
 Dr. Shahbudin bin Masdar  
 Ir. Razmahwata Mohamad Razalli  
 Dr. Ma'an Fahmi Rashid Al-Khatib  
 Dr. Mohamad Fairus bin Rabuni  
 Dr. Sum Jing Yao  
 Dr. Muhammad Rashid Shamsuddin  
 Dr. Soundarajan Krishnan  
 Dr. Gobi Kanadasan  
 Ms. Nurhazwani Ismail

**JAWATANKUASA PENGELOLA**
**Jawatankuasa Pengelola Pertandingan Rekabentuk  
IEM ke-9**

(Organising Committee on 9th Design Competition)

**Pengerusi**

Dr. Ang Wei Lun

**Pengerusi Bersama**

Ir. Dr. Eunice Phang Siew Wei  
 Mr. Vincent Khaw Wei Chuan

**Ahli-Ahli**

Ir. Prof. Dr. Dominic Foo Chwan Yee  
 Ir. Prof. Dr. Thomas Choong Shean Yaw  
 Ir. Prof. Dr. Tee Tiam Ting  
 Ir. Dr. Lee Tin Sin  
 Ir. Dr. Chong Chien Hwa  
 Ir. Mohamad Anwar Ahmad  
 Ir. Thayananthan Balakrishnan  
 Ir. Lee Teck Lii  
 Ir. Chew Gim Cheng  
 Dr. Hazlina bt Husin  
 Dr. Teow Yeit Haan  
 Mr. Ho Kah Chun  
 Ms. Lim May Teng

**JAWATANKUASA ULASAN**
**Jawatankuasa Ulasan “Pengurusan ISO”  
(IEM Management Review Committee for ISO)**
**Pengerusi**

Ir. David Lai Kong Phooi

**Timbalan Pengerusi**

Ir. Ong Ching Loon

**Ahli-Ahli**

Ir. Mohd Khir bin Muhammad  
 Ir. Chen Harn Shean  
 Ir. Prof. Dr. Norlida binti Bunyamin  
 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  
 Ir. Dr. Lee Yun Fook  
 Ir. Fam Yew Hin  
 Ir. Dr. Ng Soon Ching  
 Ir. Dr. David Chuah Joon Huang  
 Ir. Prof. Dr. Leong Wai Yie  
 Ir. Yau Chau Fong  
 Ir. Yam Teong Sian  
 Ir. Lai Sze Ching

**JAWATANKUASA KO-ORDINASI**
**Pasukan Bertindak**

(Position Paper Co-ordinating Committee)

**Pengerusi**

Ir. Ong Ching Loon

**Ahli-Ahli**

Ir. Mohd Khir bin Muhammad  
 Y.Bhg. Dato' Ir. Dr. Gue See Sew  
 Y.Bhg. Dato' Paduka Ir. Hj. Keizrul Abdullah  
 Ir. Lalchand Gulabrai  
 Y.Bhg. Datuk Lt. Kol. Kamarulzaman bin Zainal (Rtd)  
 Y.Bhg. Dato' Ir. Nor Hisham bin Mohd Ghazali  
 Ir. Yim Hon Wa  
 Ir. Dr. Amir Basha Mohd Ismail  
 Ir. Chong Chew Fan  
 Ir. Steven Toh Chin Kok  
 Mr. Alex Looi Tink Huey  
 Ir. Dr. Wong Wai Sam  
 Ir. Kim Kek Seong  
 Ir. Luk Chau Beng

**Jawatankuasa Penilaian/Pengadilan atas Cadangan  
untuk Anugerah**  
(Judging/Evaluation Committee on Recommendation for  
Awards)

**Pengerusi**

Ir. David Lai Kong Phooi

**Ahli-Ahli**

Ir. Chong Chien Hwa

Ir. Syed Neguib bin Syed Mohamed

Ir. Low Kai Wah

Ir. Francis Xavier Jacob

Ir. Dr. Aidil bin Chee Tahir

Ir. Dr. Lee Tin Sin

Ir. Rusnida binti Talib

Mr. Kuugan Thangarajoo Grad. IEM

**IEM OUTSIDE BODIES REPRESENTATION (OBR)  
MASTER LISTS 2020 (1 JANUARY 2020 - 31 DECEMBER 2020)  
FOR IEM ANNUAL REPORT 2020**

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
<b>(1) Balai iktisias Malaysia (BIM) / Malaysian Professional Centre</b>							
Dialogue / Meetings:	The Board of Management Meeting (3) 2019/2020 (BOM)	03/06/2020 11.00 am	via Zoom Online Meeting	Ir. Yau Chau Fong	0/1	PPC	
	The 47 <sup>th</sup> Annual General Meeting of the Balai Iktisias Malaysia 2020/2021	13/08/2020 2.30 pm	Malakoff Auditorium, G Floor, Wisma IEM, No. 21, Jalan Selangor 46200 Petaling Jaya, Selangor	Ir. Gunasagaran a/l Kristnan	1/1	Excomm	
				Ir. Ng. Yong Khong	1/1	Excomm	
	The Board Management Meeting (1) 2020/2021 (BOM)	24/11/2020 5.00 pm	Zoom Online Meeting	Ir. Dr. Bhuvendhraa Rudrusamy	1/1	Excomm	
Ir. Gunasagaran a/l Kristnan				1/1	Excomm		
<b>(2) Board of Engineers Malaysia (BEM)</b>							
Dialogue / Meetings:	1 <sup>st</sup> Meeting of Working Group on Industrialised Building System (IBS) Survey	14/02/2020 10.00 am	17 <sup>th</sup> Floor, BEM's Meeting Room, JKR HQ Kuala Lumpur, Jalan Sultan Salahuddin	Ir. Hooi Wing Chuen	1/1	CSETD	
<b>(3) Building Management Association of Malaysia (BMAM)</b>							
Dialogue / Meetings:	13 <sup>th</sup> Meeting of Executive Committee & 11 <sup>th</sup> Annual General Meeting	08/08/2020 2.30 - 4.30 pm	Business Centre, One World Hotel, Bandar Utama, 47800 Petaling Jaya, Selangor	Ir. Yam Teong Sian	1/1	CA	<i>postponed from 21/03/2020</i>
				Ir. Yap Lee Chor	0/1	CA	
<b>(4) CIDB Malaysia</b>							
Dialogue / Meetings:	Mesyuarat Siasatan Teknikal Insiden Parapet Sisi Jambatan Jatuh di Projek Pembinaan Lebuhraya Bertingkat Sungai Besi-Ulu Kelang (SUKÉ)	20/10/2020 2.30 pm	Bilik Mesyuarat Lembaga, Tingkat 25, Menara Dato' Onn, Pusat Dagangan Dunia, No. 45 Jalan Sultan Ismail, 50480 Kuala Lumpur.	Ir. Gunasagaran a/l Kristnan	1/1	HTETD	<i>postponed to no date</i>
<b>(5) Confederation of Scientific and Technological Associations in Malaysia (COSTAM)</b>							
Dialogue / Meetings:	COSTAM Council Meeting 1/2019	11/01/2020 10.00 am - 1.00 pm	University Malaya Academic Club (UMAC), No. 1, Jalan 12/5, 46200 Petaling Jaya, Selangor.	Ir. Chong Chew Fan	1/1	EETD	
				Ir. Dr. Tan Kuang Leong	0/1	EETD	
	COSTAM 36 <sup>th</sup> Annual General Meeting	19/09/2020 10.00 am	Auditorium, Pusat Sains Negara, Bukit Kiara, Kuala Lumpur	Ir. Dr. Prof. Ruslan bin Hassan	1/1	CA	
				Ir. Chong Chew Fan	1/1	CA	
				Ir. Dr. Tan Kuang Leong	0/1	CA	
<b>(6) Construction Industry Development Board [CIDB] Malaysia</b>							
Dialogue / Meetings:	Taklimat Kawal Selia Bahan Binaan (Ready Mix Concrete) dan Mesyuarat Kolaborasi bersama Agensi Kerajaan, Pihak Berkuasa Tempatan dan Badan Profesional	12/02/2020 8.00 am - 5.00 pm	Hotel Seri Pacific Kuala Lumpur, Jalan Putra, 50350 Kuala Lumpur	Ir. Jeffrey Lee Sheu Tiong	0/1	PPC	
				Ir. Gunasagaran a/l Kristnan	0/1	PPC	
	Mesyuarat Penganjuran Minggu Pembinaan Antarabangsa (ICW) 2020 & ASEAN Super 8 Bil. 2/2020	17/02/2020 10.00 am - 12.00 pm	Bilik Mesyuarat Redang, Aras 3, PWTC	<i>no representative</i>	0/1		
	Taklimat Jadual Ke-Empat Akta 520 CIDB Yang Dikemaskini	10/03/2020 9.00 am - 12.30 pm	Bilik Kuala Lumpur, Tingkat 5, PWTC, Kuala Lumpur	Ir. Gunasagaran a/l Kristnan	1/1	PPC	
				Ir. Hooi Wing Chuen	0/1	PPC	
Mesyuarat Berkaitan Penggunaan A-Frame Scaffolding di Tapak Bina	03/03/2020 10.00 am	Bilik Mesyuarat Kempas, Tingkat 32, CIDB Malaysia	Ir. Lee Kee Bau	1/1	CSETD		

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Mesyuarat Jawatankuasa Teknikal (TC) Kemaskini CIS 21:2018 - Ready Mix Concrete: Prpduction, Conformity, Transportation & Delivery Criteria for Producers Bil. 1/2020	13/03/2020 9.30 am - 12.30 pm	Bilik Mesyuarat Kempas, Tingkat 32, CIDB Malaysia	Ir. Gunasagaran a/l Kristnan	1/1	CSETD	<i>postpone to no date</i>
	Perbincangan Kemaskini CIS 23:2018 - Safe Use Falsework and Formwork In Construction	08/09/2020 2.30 - 5.00 pm	Bilik Diamond, Tingkat 23 Sunway Putra Tower, No. 100, Jalan Putra, 50350 Kuala Lumpur	Ir. Lee Kee Bau	1/1	CSETD	
<b>(7) Construction Research Institute of Malaysia (CREAM)</b>							
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan ke Bengkel Validasi Kajian Tahap Penggunaan BIM Dalam Industri Pembinaan 2019 (BIM Report 2019)	20/07/2020 9.00 am - 5.00 pm	Seri Pacific Hotel, Kuala Lumpur	Ir. Kesavan a/l Jaganathan	0/1	CESIG	
<b>(8) Dewan Bandaraya Kuala Lumpur (DBKL)</b>							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Rekabentuk Bandar dan Bangunan Kuala Lumpur Bil. 1/2020	05/02/2020 9.30 am	Bilik Mesyuarat Tingkat 29 (Bilik Putra), Menara DBKL 1, Jalan Raja Laut, 50350 Kuala Lumpur.	Ir. Low Kai Wah	1/1	CSETD	
	Mesyuarat Jawatankuasa Pandu Kajian Pelan Induk Trafik Kuala Lumpur	11/08/2020 2.30 pm	Bilik Lembaga (Tingkat 29), Menara DBKL 1, Jalan Raja Laut, 50350 Kuala Lumpur	Ir. Dr. Khoo Hooi Ling Ir. Edwin Goh Boon Hoe Ir. K.S. Asitha a/p Krishnan Sivasankaran	1/1 1/1 1/1	HTETD HTETD HTETD	<i>postponed from 27/07/2020</i>
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Majlis Pelancaran Sistem Permohonan Permit Laluan Lori Angkut Bahan (e-PLAB), Jabatan Perancangan Infrastruktur, Dewan Bandaraya Kuala Lumpur	13/01/2020 9.00 - 9.30 am	Lobi Utama Menara DBKL 1, Jalan Raja Laut, 50350 Kuala Lumpur.	Ir. Low Kai Wah	1/1	CSETD	
	Jemputan Menghadiri Majlis Pelancaran Draf Pelan Struktur Kuala Lumpur 2040 (PSKL2040)	18/02/2020 8.30 am	Auditorium Dewan Bandaraya Kuala Lumpur, Menara DBKL 1, Jalan Raja Laut, 50350 Kuala Lumpur	Ir. Low Kai Wah	1/1	CSETD	
	Sesi City Forum Pelan Tempatan Kuala Lumpur 2040	10/03/2020 8.30 am	Institut Latihan Dewan Bandaraya Kuala Lumpur (IDB), Jalan Yaacob Latif, Bandar Tun Razak, 56000 Kuala Lumpur	<i>no representative</i>	0/1	CSETD	<i>postpone to no date</i>
	Jemputan Menghadiri Taklimat Pemahaman Draf Pelan Struktur Kuala Lumpur 2040 (PSKL 2040)	13/03/2020 3.00 pm	Bilik Mesyuarat Tingkat 3, Menara DBKL 1, Jalan Raja Laut, 50350 Kuala Lumpur.	Ir. Low Kai Wah	1/1	CSETD	
	Jemputan Rasmi untuk Majlis Sesi Pandangan Awam Garis Panduan Jabatan Kawalan Bangunan	14/09/2020 9.00 - 11.30 am	Dewan Serbaguna, Tingkat 14, Menara PT80, Lorong Bunus 4, Kuala Lumpur.	Ir. Low Kai Wah	1/1	CSETD	
<b>(9) Department of Standards Malaysia (DSM)</b>							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Kebangsaan Standard NSC D - Building Construction and Civil Engineering Bil. 1/2020	13/01/2020 2.30 - 5.00 pm	Bilik Mesyuarat ISO, Jabatan Standard Malaysia	Ir. Tu Yong Eng	1/1	CSETD	
	Mesyuarat Jawatankuasa Kebangsaan Standard NSC D - Building Construction and Civil Engineering Bil. 2/2020	14/07/2020 10.00 am - 1.00 pm	Bilik Resak, Tingkat 32, Ibu Pejabat CIDB, PWTC KL	Ir. Tu Yong Eng	1/1	CSETD	
	Mesyuarat WG/E/7-5 Bil. 1/2020	22/01/2020 9.30 am - 1.00 pm	Bilik Mesyuarat ISO, Jabatan Standard Malaysia	Ir. Chong Chew Fan	1/1	EETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Mesyuarat WG/E/7-5 Bil. 2/2020	05/10/2020 2.30 - 5.00 pm	Zoom Meeting (online meeting)	Ir. Chong Chew Fan	1/1	EETD	
	Meeting of TC/D/25 On Cement Bil. 1/2020	07/01/2020 9.30 am - 1.00 pm	Bilik Mesyuarat ISO, Level 6, Menara 2, Standards Malaysia, Cyber Axis, Cyberjaya	Ir. Hooi Wing Chuen	1/1	CSETD	
	Meeting of TC/D/25 On Cement Bil. 2/2020	26/03/2020 9.30 am - 1.00 pm	Bilik Meranti, Aras 1, Menara 1, Menara Cyber Axis, Cyberjaya	Ir. Hooi Wing Chuen	1/1	CSETD	<i>postponed from 10/03/2020</i>
	Mesyuarat Bersama (Joint Meeting) di antara Jawatankuasa Teknikal TC/J/2 - Plastics Pipes and Fittings dan Kumpulan Kerja WG/J/2-5	16/01/2020 9.30 am	Bilik Mesyuarat IAF, Level 5, Tower 2, Menara Cyber Axis.	Ir. Ung Ah Hock	1/1	BSTD	
	Meeting of Technical Committee on Plastics Pipes and Fittings (TC/J/2) Bil 1/2020	24/06/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Ung Ah Hock	1/1	BSTD	
	Mesyuarat Working Group on ABS Pipes and Fittings (WG/J/2-5) Bil 1/2020	19/02/2020 9.00 am - 2.00 pm	Bilik Mesyuarat Geneva, Jabatan Standards Malaysia, Aras 7, Tower 2, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya.	Ir. Leong Hon Wah	1/1	BSTD	
	Meeting of Technical Committee on Lighting, Lamps and Accessories (TC/S/3) Bil. 1/2020	29/01/2020 9.30 am - 1.00 pm	Bilik Mesyuarat ISO, Jabatan Standard Malaysia, Level 6, Menara 2, Standards Malaysia, Cyber Axis, Cyberjaya.	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Lighting, Lamps and Accessories (TC/S/3) Bil. 2/2020	10/07/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Lighting, Lamps and Accessories (TC/S/3) Bil. 3/2020	11/08/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Lighting, Lamps and Accessories (TC/S/3) Bil. 4/2020	15/09/2020 9.30 am	Zoom Meeting (online meeting)	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Lighting, Lamps and Accessories (TC/S/3) Bil. 5/2020	14/10/2020 9.30 am	Zoom Meeting (online meeting)	Ir. Lim Kim Ten	1/1	EETD	<i>postponed to no date</i>
	TC/S/3-IEC/TC 34 and its Sub Committees	26/10 - 29/10/2020 9.00 am - 5.00 pm	Zoom Meeting (online meeting)	Ir. Lim Kim Ten Ir. Lee Kok Chong	1/1 0/1	EETD EETD	
	Meeting of Technical Committee on Lightning Protection (TC/E/13) Bil. 1/2020	16/01/2020 9.30 am - 1.00 pm	Bilik Mesyuarat ISO, Jabatan Standards Malaysia, Aras 6, Tower, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya, Selangor.	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of WG on Lightning Protection System	07/07/2020 10.00 am	Microsoft Team Meeting	Ir. Lim Kim Ten	1/1	EETD	
	Technical Committee Meeting of Dry Fire Protection System (TC/M/1) No. 1/2020	22/06/2020 10.00 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Thin Choon Chai	1/1	FAB	<i>postponed from 24/02/2020</i>
	Technical Committee Meeting of Dry Fire Protection System (TC/M/1) No. 2/2020	06/08/2020 9.30 am - 12.30 pm	ISO Meeting Room, Standards Malaysia, Level 6, Tower 2, Cyber Axis Tower, 63000 Cyberjaya.	Ir. Thin Choon Chai	1/1	FAB	
	Technical Committee Meeting on Passive Fire Protection System (TC/M/2) No. 1/2020	05/03/2020 2.00 - 4.30 pm	IAF Meeting Room, Standards Malaysia, Level 5 Tower 2, Cyber Axis Tower, 63000 Cyberjaya	Ir. Yim Hon Wa Ir. Cha Hoong Kum Ir. Thin Choon Chai Ir. Tan Chew	0/1 1/1 1/1 0/1	FAB FAB FAB FAB	
	Meeting on Technical Committee on Wet Fire Protection System (TC/M/3) No. 1/2020	03/09/2020 9.30 am - 12.00 pm	Zoom Meeting (online meeting)	Ir. Thin Choon Chai	1/1	FAB	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Meeting of Technical Committee of Smoke Management (TC/M/4) No. 1/2020	06/02/2020 9.30 am - 1.00 pm	ISO Meeting Room, Standards Malaysia, Level 6, Tower 2, Cyber Axis Tower, 63000 Cyberjaya.	Ir. Daniel Lim Kim Chuan Ir. Alan Chan Teck Wai	1/1 0/1	FAB FAB	
	Meeting of Technical Committee of Smoke Management (TC/M/4) No. 2/2020	02/07/2020 10.00 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Daniel Lim Kim Chuan	1/1	FAB	
	Meeting of Technical Committee on Clean Agent Fire Extinguishing Systems (TC/M/5) No. 1/2020	02/03/2020 9.30 am - 1.00 pm	ISO Meeting Room, Standards Malaysia, Level 6, Tower 2, Cyber Axis Tower, 63000 Cyberjaya.	Ir. Gary Lim Eng Hwa Ir. Cha Hoong Kum Ir. Hee Choi	1/1 1/1 1/1	FAB FAB FAB	
	Meeting of Technical Properties of Building Material (TC/M/6) No. 1/2020	13/05/2020 10.00 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Loo Chee Kin	1/1	FAB	
	Meeting of Technical Properties of Building Material (TC/M/6) No. 2/2020	04/06/2020 2.30 - 5.00 pm	Zoom Meeting (online meeting)	Ir. Tan Chew	1/1	FAB	
	Meeting of Technical Properties of Building Material (TC/M/6) No. 3/2020	29/06/2020 9.30 am - 12.30 pm	Zoom Meeting (online meeting)	Ir. Tan Chew	1/1	FAB	
	Meeting of Technical Properties of Building Material (TC/M/6) No. 4/2020	26/08/2020 9.30 am - 1.00 pm	Geneva Meeting Room, Level 7, Jabatan Standard Malaysia	Ir. Tan Chew	0/1	FAB	
	Meeting of Technical Properties of Building Material (TC/M/6) No. 5/2020	11/11/2020 2.00 - 4.30 pm	Zoom Meeting (online meeting)	Ir. Loo Chee Kin	1/1	FAB	
	Meeting of Working group on Fire Rated Lift Landing Doors (WG/M/6-1)	17/09/2020 9.30 am - 12.30 pm	Bilik Mesyuarat WTO, Jabatan Standard Malaysia, Aras 4, Tower 2, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya	Ir. Alan Chan Teck Wai	1/1	FAB	
	Technical Committee on IECEX Bil. 1/2020	28/02/2020 9.00 am - 12.00 pm	Bilik Mesyuarat ISO, Jabatan Standards Malaysia, Aras 6, Tower, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya, Selangor.	Ir. Loo Chee Kin Ir. Faridon b. Talib Ir. Alex Looi Tink Huey	0/1 0/1 1/1	EETD EETD EETD	
	IECEX Management Committee Meeting	01/10 - 02/10/2020 9.00 am - 5.00 pm	Zoom Meeting (online meeting)	Ir. Loo Chee Kin	1/1	EETD	
	Technical Committee on Building Design and Construction (TC/D/11) Bil. 1/2020	24/02/2020 9.30 am - 1.00 pm	Bilik Mesyuarat ISO, Jabatan Standard Malaysia, Aras 6, Tower 2, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya, Selangor.	Ir. Chong Chee Meng	0/1	CSETD	
	Technical Committee on Building Design and Construction (TC/D/11) Bil. 2/2020	14/05/2020 2.00 - 4.30 pm	Zoom Meeting (online meeting)	Ir. Chong Chee Meng	1/1	CSETD	
	Technical Committee on Building Design and Construction (TC/D/11) Bil. 3/2020	18/06/2020 2.00 - 4.30 pm	Zoom Meeting (online meeting)	Ir. Chong Chee Meng	1/1	CSETD	
	Technical Committee on Building Design and Construction (TC/D/11) Bil. 4/2020	16/07/2020 2.00 - 5.00 pm	Zoom Meeting (online meeting)	Ir. Chong Chee Meng	1/1	CSETD	
	Technical Committee on Building Design and Construction (TC/D/11) Bil. 5/2020	18/08/2020 2.30 - 4.30 pm	Zoom Meeting (online meeting)	Ir. Chong Chee Meng	1/1	CSETD	
	Technical Committee on Building Design and Construction (TC/D/11) Bil. 6/2020	17/09/2020 2.30 - 4.30 pm	Zoom Meeting (online meeting)	Ir. Chong Chee Meng	1/1	CSETD	
	TC/D/11 - ISO/TC 59 - Jemputan Mesyuarat Dalam Talian - Buildings and Civil Engineering Works	02/11/2020 7.00 - 11.00 pm	Online Meeting	Ir. Chong Chee Meng	0/1	CSETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Technical Committee on Electromagnetic Compatibility (TC/E/2) Bil. 1/2020	22/06/2020 9.30 am - 12.30 pm	Zoom Meeting (online meeting)	Ir. Lim Kim Ten Ir. Lee Cheng Pay	1/1 0/1	EETD EETD	
	Working Group on Liquid Retaining and Containment Structures (WG/D/21-1) Bil. 1/2020	03/03/2020 9.30 am - 1.00 pm	Bilik Mesyuarat Geneva, Jabatan Standards Malaysia, Aras 7, Tower 2, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya.	Ir. Prof. Dr. Jeffrey Chiang Choong Luin	1/1	CSETD	
	Working Group on Liquid Retaining and Containment Structures (WG/D/21-1) Bil. 2/2020	14/05/2020 10.00 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Prof. Dr. Jeffrey Chiang Choong Luin	1/1	CSETD	
	Working Group on Liquid Retaining and Containment Structures (WG/D/21-1) Bil. 3/2020	14/05/2020 10.00 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Prof. Dr. Jeffrey Chiang Choong Luin	1/1	CSETD	
	Technical Committee on Pipeline Transportation (TC/H/7) Bil 1/2020	02/11/2020 2.30 - 5.00 pm	Microsoft Team Meeting	Ir. Sylvia Presenna a/p Samuel Inbaraj	1/1	CETD	<i>postponed from 18/06/2020</i>
	Working Group on Road Lighting (WG/S/3-3) Bil. 1/2020	10/03/2020 9.30 am - 1.00 pm	Bilik Mesyuarat IAF, Level 5, Tower 2, Menara Cyber Axis.	Ir. Chong Chew Fan Ir. Yau Chau Fong	0/1 1/1	EETD EETD	
	Working Group on Road Lighting (WG/S/3-3) Bil. 2/2020	14/09/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Chong Chew Fan Ir. Yau Chau Fong	1/1 1/1	EETD EETD	
	Working Group on Road Lighting (WG/S/3-3) Bil. 3/2020	09/10/2020 9.30 am - 12.00 pm	Zoom Meeting (online meeting)	Ir. Chong Chew Fan	1/1	EETD	
	Working Group on Repair and Rehabilitation of Pipeline (WG/H/7-6) Bil. 1/2020	21/07/2020 9.30 am - 2.00 pm	Bilik Mesyuarat ISO, Aras 6, Tower 2, Jabatan Standard Malaysia, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya.	Ir. Sylvia Presenna a/p Samuel Inbaraj	1/1	CETD	<i>postponed from 25/03/2020</i>
	Working Group on Repair and Rehabilitation of Pipeline (WG/H/7-6) Bil. 2/2020	17/08/2020 9.30 am - 2.00 pm	Bilik Mesyuarat ISO, Aras 6, Tower 2, Jabatan Standard Malaysia, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya.	Ir. Sylvia Presenna a/p Samuel Inbaraj	1/1	CETD	
	Working Group on Repair and Rehabilitation of Pipeline (WG/H/7-6) Bil. 3/2020	28/09/2020 9.30 am - 5.00 pm	Bilik Mesyuarat Tactic 6, Hotel Aloft, No. 5, Jalan Stesen Sentral, Kuala Lumpur Sentral, 50470 Kuala Lumpur.	Ir. Sylvia Presenna a/p Samuel Inbaraj	1/1	CETD	
	Working Group on WG/D/9-6 Code of Practice for Glass Bil. 1/2020	09/06/2020 9.30 am - 1.00 pm	Bilik Mesyuarat Utama (Tingkat 3), Menara DBKL 3	Ir. Tu Yong Eng	1/1	CSETD	
	Working Group on WG/D/9-6 Code of Practice for Glass Bil. 2/2020	08/07/2020 9.30 am - 1.00 pm	Bilik Mesyuarat Utama (Tingkat 3), Menara DBKL 3	Ir. Tu Yong Eng	1/1	CSETD	
	Working Group on WG/D/9-6 Code of Practice for Glass Bil. 3/2020	29/07/2020 9.30 am - 1.00 pm	Bilik Mesyuarat Utama (Tingkat 3), Menara DBKL 3	Ir. Tu Yong Eng	1/1	CSETD	
	Working Group on WG/D/9-6 Code of Practice for Glass Bil. 4/2020	26/08/2020 9.30 am - 1.00 pm	Bilik Mesyuarat Utama (Tingkat 3), Menara DBKL 3	Ir. Tu Yong Eng	1/1	CSETD	
	Working Group on WG/D/9-6 Code of Practice for Glass Bil. 5/2020	05/10/2020 9.30 am - 1.00 pm	Bilik Mesyuarat Utama (Tingkat 3), Menara DBKL 3, Bandar Wawasan, KL	Ir. Tu Yong Eng	1/1	CSETD	
	Working Group on WG/D/9-6 Code of Practice for Glass Bil. 6/2020	26/10/2020 10.00 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Tu Yong Eng	1/1	CSETD	
	Working Group on WG/D/9-6 Code of Practice for Glass Bil. 7/2020	20/11/2020 10.00 am - 12.00 pm	Zoom Meeting (online meeting)	Ir. Tu Yong Eng	1/1	CSETD	
	Mesyuarat Sub Working Group di bawah WG on Code of Practice for Glass (WG/D/9-6)	05/09/2020 9.30 am - 1.00 pm	Bilik Mesyuarat Applied Technology Group Sdn Bhd, Subang Jaya, Selangor	Ir. Tu Yong Eng	1/1	CSETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Technical Committee on Electrical Installation, Protection and Insulation Practice (TC/E/14) Bil. 1/2020	11/06/2020 2.30 - 5.00 pm	Zoom Meeting (online meeting)	Ir. Lim Kim Ten	1/1	EETD	
	TC on IECEE Certification Body (CB) Bil. 1/2020	16/06/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Lee Cheng Pay Dr. Siow Chun Lim, Charles	0/1 1/1	EETD EETD	
	Working Group on Extremely Low Frequency for Electromagnetic Field (WG/E/6-1) Bil. 3/2020	08/05/2020 9.30 am - 12.15 pm	Zoom Meeting (online meeting)	Dr. Lim Chin Seong	1/1	METD	
	Working Group on Aluminium and Aluminium Alloy (WG/P/9-2)	08/07/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	Dr. Lim Chin Seong	1/1	METD	
	Meeting of Technical Committee on Steel Products (TC/D/4) Bil. 2/2020	15/07/2020 2.30 - 4.30 pm	Zoom Meeting (online meeting)	Ir. Lee Kee Bau	1/1	CSETD	
	Meeting of Technical Committee on Steel Products (TC/D/4) Bil. 3/2020	18/08/2020 2.30 - 4.30 pm	Bilik Mesyuarat ISO (Aras 6), Menara 2 Cyber Axis, Standards Malaysia, Cyberjaya	Ir. Lee Kee Bau	1/1	CSETD	
	Meeting of Technical Committee on Steel Products (TC/D/4) Bil. 4/2020	15/10/2020 2.30 - 4.30 pm	Zoom Meeting (online meeting)	Ir. Lee Kee Bau	1/1	CSETD	
	ISO/TC 190 Web Meeting (under NSC B)	16/09 - 29/09/2020 10.00 am - 2.00 pm	Zoom Meeting (online meeting)	Ir. Yong Hong Liang	1/1	AFETD	
	ISO/TC 190 Web Meeting (under NSC B)	24/08/2020 2.00 - 5.00 pm	Bilik Mesyuarat 408 & 409, Aras 4, KL Convention Centre, Kuala Lumpur.	Ir. Dr. Lee Tin Sin	1/1	CETD	
	Meeting on Working Group on Polypropylene (PP) Pipes and Fittings (WG/J/2-7) Bil. 1/2020	24/08/2020 2.00 - 5.00 pm	Bilik Mesyuarat WTO, Jabatan Standard Malaysia, Aras 4, Tower 2, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya	Ir. Ung Ah Hock	1/1	BSTD	
	Meeting on Working Group on Polypropylene (PP) Pipes and Fittings (WG/J/2-7) Bil. 4/2020	27/10/2020 9.00 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Ung Ah Hock	1/1	BSTD	
	Meeting on Working Group on Polybutylene (PB) Pipes and Fittings (WG/J/2-3) Bil. 1/2020	25/08/2020 9.30 am - 2.00 pm	Bilik Mesyuarat WTO, Jabatan Standard Malaysia, Aras 4, Tower 2, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya	Ir. Ung Ah Hock	1/1	BSTD	
	Meeting on Working Group on Polybutylene (PB) Pipes and Fittings (WG/J/2-3) Bil. 2/2020	09/09/2020 3.15 - 3.45 pm	Zoom Meeting (online meeting)	Ir. Ung Ah Hock	1/1	BSTD	
	Meeting on Working Group on Polyethylene (PE) Pipes and Fittings (WG/J/2-1) Bil. 1/2020	24/08/2020 9.30 am - 1.00 pm	Bilik Mesyuarat WTO, Jabatan Standard Malaysia, Aras 4, Tower 2, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya	Ir. Ung Ah Hock	1/1	BSTD	
	Meeting on Working Group on Polyethylene (PE) Pipes and Fittings (WG/J/2-1) Bil. 2/2020	09/09/2020 2.00 - 2.45 pm	Zoom Meeting (online meeting)	Ir. Ung Ah Hock	1/1	BSTD	
	Meeting on Working Group on Multilayer Pipes and fittings Bil. 1/2020 (WG/J/2-9)	22/12/2020 9.30 am - 12.30 pm	Zoom Meeting (online meeting)	Ir. Dr. Tan Chee Fai	1/1	BSTD	
	Meeting on Technical Committee of Practice for Design of Concrete Structure (TC/D/21) No. 2/2020	24/08/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Dr. Kwong Kok Zee Ir. Chong Chee Meng	0/1 0/1	CSETD CSETD	
	Meeting on Technical Committee of Practice for Design of Concrete Structure (TC/D/21) No. 3/2020	24/09/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Dr. Kwong Kok Zee Ir. Chong Chee Meng	1/1 0/1	CSETD CSETD	
	Meeting on Technical Committee of Practice for Design of Concrete Structure (TC/D/21) No. 4/2020	09/11/2020 2.30 - 5.00 pm	Zoom Meeting (online meeting)	Ir. Dr. Kwong Kok Zee	1/1	CSETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Meeting of Working Group on Actions During Execution (WG/D/21-4) No. 1/2020	09/10/2020 9.30 am - 12.00 pm	Zoom Meeting (online meeting)	Ir. Dr. Kwong Kok Zee	1/1	CSETD	
	Meeting on Technical Committee on High Voltage Power Transmission (TC/E/7) - IEC/TC 57 TC 115, Okt-Nov 2020	Okt - Nov 2020 9.00 am - 5.00 pm	Zoom Meeting (online meeting)	Ir. Goon Kid Seng Ir. Yau Chau Fong	0/1 1/1	EETD EETD	
	Meeting of National Standards Committee of Fire Safety (NSC M) Bil. 1/2020	08/09/2020 2.30 - 5.00 pm	Bilik Mesyuarat Tanjung, Aras G, Ibu Pejabat Jabatan Bomba dan Penyelamat Malaysia, Putrajaya	Ir. Thin Choon Chai	1/1	FAB	
	Meeting on Working Group for Metal Equipment for Falsework and Propping (WG/D/4-5) Bil. 1/2020	15/09/2020 10.00 am - 1.00 pm	Bilik Mesyuarat CREAM, Level 29, Sunway Putra Tower, Kuala Lumpur	Ir. Lee Kee Bau	1/1	CSETD	
	Meeting on Working Group for Metal Equipment for Falsework and Propping (WG/D/4-5) Bil. 2/2020	15/10/2020 10.00 am - 1.00 pm	Zoom Meeting (online meeting)	Ir. Lee Kee Bau	1/1	CSETD	
	Meeting on Working Group on Boiler Inspection (WG/F/11-1) Bil. 1/2020	09/10/2020 3.00 - 5.00 pm	Hotel Zenith Putrajaya, Jalan P2a, Presint 2, 62000 Putrajaya	Ir. Luk Chau Beng	1/1	METD	
	Mesyuarat Majlis Standard dan Akreditasi Malaysia (MSDAM) Bil. 1/2020	29/09/2020 10.00 am	Hotel Shaftsbury Stellar, Putrajaya.	Ir. Ong Ching Loon Ir. Prof. Dr. Norlida bt. Buniyamin	1/1 1/1	Excomm Excomm	
	Mesyuarat ISO Member's Virtual Session	24/09/2020 8.00 - 9.30 pm	Online	Ir. Ong Ching Loon Ir. Prof. Dr. Norlida binti Buniyamin	1/1 1/1	Excomm Excomm	
	Meeting on Technical Committee on Power Quality (TC/E/4) Bil. 2/2020	06/10/2020 9.30 am - 12.30 pm	Zoom Meeting (online meeting)	Ir. Lim Kim Ten	0/1	EETD	
	Meeting on Technical Committee on Cables and Cable Accessories (TC/E/15) Bil. 1/2020	06/10/2020 2.30 - 5.00 pm	Zoom Meeting (online meeting)	Ir. Ng Win Siau Ir. Yau Chau Fong	1/1 1/1	EETD EETD	
	Meeting of Working Group on Biogas (WG/E/8-4) Bil. 1/2020	05/10/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	<i>no representative</i>	0/1	OGMTD	
	Meeting of Working Group on High Voltage Switchgear, Control Gear and Assemblies (WG/E/7-1) Bil. 1/2020	12/10/2020 2.30 - 5.00 pm	Zoom Meeting (online meeting)	Ir. Ng Win Siau Ir. Lam Sing Yew	1/1 0/1	EETD EETD	
	Meeting of Technical Committee on Fasteners and Screw Threads (TC/F/12) Bil. 1/2020	08/10/2020 9.30 am - 1.00 pm	Hotel Zenith Putrajaya, Jalan P2a Presint 2, 62000 Putrajaya	<i>no representative</i>	0/1	METD	
	Meeting of NSC J - Plastics and Plastic Products Bil 1/2020	17/11/2020 2.00 - 5.00 pm	Zoom Meeting (online meeting)	Ir. Dr. Tan Chee Fai	1/1	METD	
	Meeting of NSC E - Generation, Transmission and Distribution of Energy Bil 1/2020	26/11/2020 9.30 am - 1.00 pm	Zoom Meeting (online meeting)	Dato' Ir. Ibrahim bin Abu Bakar Ir. Yau Chau Fong	0/1 1/1	EETD EETD	
	Meeting of National Committee on Petroleum and Gas (NSC H) Bil. 1/2020	26/11/2020 10.00 am - 12.30 pm	Microsoft Teams	Ir. Al-Khairi	1/1	OGMTD	
	Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel Ulangkaji MS 1058 - Polyethylene (PE) Piping Systems for Water Supply Part 1,2 & 3 di bawah WG/J/2-1	01/10 - 02/10/2020 9.00 am - 5.00 pm	Hotel Aloft, Kuala Lumpur	Ir. Ung Ah Hock	1/1.	BSTD
Bengkel Ulangkaji MS ISO 15876 - Plastic Piping Systems for Hot and Cold Water Installations - Polybutylene (PB) di bawah WG/J/2-3		28/09/2020 9.00 am - 5.00 pm	Hotel Aloft, Kuala Lumpur	Ir. Ung Ah Hock	1/1.	BSTD	
Bengkel Pembangunan Malaysian Standard (MS) di bawah WG/J/2-7		29/09/2020 9.00 am - 5.00 pm	Bilik Mesyuarat Tactic 2 Hotel Aloft, Aras 2, 5, Jalan Stesen Sentral, Kuala Lumpur Sentral	Ir. Ung Ah Hock	1/1.	BSTD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel Pembangunan Malaysia Standard (MS) Fire Rated Lift Landing Doors: Fire Resistance Test	28/09 - 29/09/2020 8.00 am - 5.00 pm	Bilik Teratai, Bangi Golf Resort, Bangi, Selangor	Ir. Loo Chee Kin	1/1	FAB	
	Jemputan Webinar-Seminar Malaysian Standard (MS) on Lighting	17/11/2020 9.00 am - 5.00 pm	GoToWebinar	Ir. Chong Chew Fan	1/1	EETD	
	Jemputan Taklimat - Rumusan Aktiviti Standardisasi Kebangsaan dan Antarabangsa	16/12/2020 2.30 pm - 5.00 pm	Zoom Meeting (online Meeting)	Dato' Ir. Ibrahim bin Abu Bakar	1/1	EETD	
<b>(10) Department of Occupational Safety and Health Malaysia (DOSH)</b>							
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri Sesi Libat Urus Perundangan Jabatan Keselamatan dan Keselamatan Pekerjaan (JKKP)	25/03/2020 8.00 am - 1.00 pm	Nilai Springs Resort Hotel, PT 4770, Nilai Spring Villas, 71800 Nilai, Negeri Sembilan.	Ir. Noor Iziddin Abdullah bin Ghazali	1/1	PMTD	
	Jemputan Lawatan Ke Lendlease Projects (M) Sdn Bhd di Tun Razak Exchange	09/07/2020 9.30 am - 12.30 pm	Tapak Projek Lendlease Projects (M) Sdn Bhd, Tun Razak Exchange, Kuala Lumpur	Ir. Elias bin Saidin	1/1	Excomm	
<b>(11) Eastern Regional Organization for Planning and Human Settlements (EAROPH)</b>							
Dialogue / Meetings:	Protem Meeting of EAROPH Malaysia Committee	20/01/2020 2.30 pm	Urbanism Meeting Room, Level 3, PAM Centre, 99L Jalan Tandok Bangsar, Kuala Lumpur	Ir. Tiong Choong Han	0/1	UEDSIG	
	Mesyuarat Teknikal Bagi Membincangkan Isu-Isu Berkaitan Cadangan Pembangunan Pangsapuri Perkhidmatan (Service Apartment) Bil. 1/2020	09/03/2020 9.30 am	Bilik Mawar, Tingkat 1, Bahagian Keselamatan Kebakaran, Ibu Pejabat, JBPM, Putrajaya	Ir. Thin Choon Chai	1/1	FAB	
				Ir. Tan Chew	0/1	FAB	
				Ir. Daniel Lim Kim Chuan	1/1	FAB	
	Mesyuarat Teknikal Bagi Membincangkan Isu-Isu Berkaitan Cadangan Pembangunan Pangsapuri Perkhidmatan (Service Apartment) Bil. 2/2020	27/10/2020 10.00 am	Bilik Tanjung, Ibu Pejabat JBPM, Lebu Wawasan, Presint 7, Putrajaya	Ir. Thin Choon Chai	0/1	FAB	<i>postponed to no date</i>
				Ir. Tan Chew	0/1	FAB	
				Ir. Daniel Lim Kim Chuan	1/1	FAB	
	Mesyuarat Bagi Membincangkan Modul dan Silibus Latihan Bagi Kursus Principal Submitting Person dan Submitting Person	09/06/2020 9.30 am	Bilik Mawar, Tingkat 1, Bahagian Keselamatan Kebakaran, Ibu Pejabat, JBPM, Putrajaya	Ir. Yim Hon Wa	1/1	FAB	
				Ir. Loo Chee Kin	1/1	FAB	
Mesyuarat Dialog Bersama Profesional Bil. 1/2020	07/10/2020 3.00 pm	Bilik Mesyuarat Nilam, Ibu Pejabat JBPM Kuala Lumpur	Ir. Alan Chan Teck Wai	1/1	FAB		
			Ir. Tan Chew	1/1	FAB		
Mesyuarat Dialog Bersama Profesional Bil. 2/2020	30/12/2020 3.00 pm	Bilik Mesyuarat Nilam, Ibu Pejabat JBPM Kuala Lumpur	Ir. Gary Lim Eng Hwa	1/1	FAB		
			Ir. Loo Chee Kin	1/1	FAB		
Mesyuarat Pindaan Undang-Undang Kecil Bangunan Seragam	03/11/2020 10.00 am	Bilik Mesuarat Mawar, Bahagian Keselamatan Kebakaran	Ir. Alan Chan Teck Wai	1/1	FAB		
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Ke Majlis Perasmian OPS Tahun Baru Cina 2020 Jabatan Bomba dan Penyelamat Malaysia	24/01/2020 4.00 pm	Kawasan Rehat dan Rawat Dengkil Arah Selatan, KM 24, Lebu Raya ELITE, 43800 Dengkil, Selangor.	<i>no representative</i>	0/1	FAB	
	Bengkel Semakan dan Pindaan Undang-Undang Kecil Bangunan Seragam 1984 (Pindaan 2012)	12/02/2020 9.00 am - 5.00 pm	Bilik Tanjung, Ibu Pejabat JBPM, Lebu Wawasan, Presint 7, Putrajaya	Ir. Thin Choon Chai	1/1	FAB	
				Ir. Alan Chan Teck Wai	1/1	FAB	
Dialogue / Meetings:	Jemputan bagi Membincangkan CCM & Proses Penilaian (Assessment) bagi Biomedical Technical Personnel (BTP)	08/10/2020 9.00 am - 1.00 pm	MS Team	Ir. Lim Kim Ten	1/1	EETD	
				Ir. Al-Khairi	1/1	BSTD	
<b>(13) Kementerian Kesihatan Malaysia (KKM)</b>							

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
<b>(14) Kementerian Kerja Raya (KKR)</b>							
Dialogue / Meetings:	Jemputan Ke Mesyuarat Sesi Libat Urus Pengurusan Pandemik Kumpulan Kerja 5 Pembangunan dan Infrastruktur (KK5-PI)	05/11/2020 8.00 am - 5.00 pm	Bilik Tanjung, Tingkat 6, Blok A, Kementerian Kerja Raya	<i>no representative</i>	0/1		
<b>(15) Kementerian Sains, Teknologi Dan Inovasi (MOSTI)</b>							
Dialogue / Meetings:	Mesyuarat Berkaitan Kebolehpasaran Graduan Science, Technology, Engineering and Mathematics (STEM)	18/08/2020 2.30 pm	Bilik Mesyuarat Transformasi, Aras 3, Blok C5, Kompleks C, Putrajaya	Ir. Mohd Khir bin Muhammad	1/1	Excomm	
	Mesyuarat Berkaitan Kebolehpasaran Graduan Science, Technology, Engineering and Mathematics (STEM) Bil. 2/2020	09/10/2020 10.00 am - 12.30 pm	Skype	Ir. Mohd Khir bin Muhammad Ms. Shahrul (Secretariat)	1/1 1/1	Excomm	
<b>(16) Kementerian Tenaga, Sains, Teknologi, Alam Sekitar dan Perubahan Iklim (MESTECC)</b>							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Teknikal Penggubalan Akta Kecekapan dan Konversi Tenaga (Elektrik dan Termal) Serta Peraturan-Peraturan di Bawahnya Bil. 1/2020	10/01/2020 3.00 - 5.00 pm	Bilik Mesyuarat 1, Aras 3, Blok E4/5, Kompleks E, Pusat Pentadbiran Kerajaan Persekutuan, 62668 Putrajaya.	Ir. Francis Xavier Jacob Ir. Chong Chew Fan	1/1 0/1	EETD EETD	
<b>(17) Kementerian Tenaga dan Sumber Asli (KETSAs)</b>							
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Program Japan-Malaysia Cooperation on Energy Conservation, 2-3 dan 9-10 Disember 2020	02/12 - 03/12, 09/12 - 10/12/2020 TBA	TBA	Ir. Alex Looi Tink Huey	1/1	EETD	
<b>(18) Kementerian Perumahan dan Kerajaan Tempatan (KPKT)</b>							
Dialogue / Meetings:	Mesyuarat Way Forward Isu Pengeluaran Sijil Perakuan Siap dan Pematuhan (CCC) Bil. 1/2020	27/02/2020 2.30 pm	Bilik Mesyuarat Aras 25, Jabatan Kerajaan Tempatan, Kementerian Perumahan dan Kerajaan Tempatan, No. 51, Persiaran Perdana, Presint 4, 62100 Putrajaya.	Ir. Yim Hon Wa	0/1	PPC	
<b>(19) Malaysian Green Technology Corporation</b>							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Projek AEMAS Bil. 1/2020	16/01/2020 10.00 am - 12.30 pm	Bilik Tenaga 1, Malaysian Green Technology Corporation, No. 2, Jalan 9/10, Persiaran Usahawan, Seksyen 9, 43650 Bandar Baru Bangi, Selangor Darul Ehsan.	Ir. Luk Chau Beng Ir. Roger Wong Chin Weng	0/1 0/1	METD METD	
	Mesyuarat Jawatankuasa Projek AEMAS Bil. 2/2020	24/07/2020 3.00 - 4.00 pm	Bilik Tenaga 3, Malaysian Green Technology Corporation, No. 2, Jalan 9/10, Persiaran Usahawan, Seksyen 9, 43650 Bandar Baru Bangi, Selangor Darul Ehsan.	Ir. Luk Chau Beng Ir. Roger Wong Chin Weng	0/1 0/1	METD METD	
	Mesyuarat Jawatankuasa Projek AEMAS Bil. 3/2020	16/11/2020 10.00 am - 12.30 pm	Microsoft Teams Meeting	Ir. Luk Chau Beng Ir. Roger Wong Chin Weng	0/1 0/1	METD METD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
<b>(20) Malaysian Industry-Government Group for High Technology (MIGHT)</b>							
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel Polisi Industri Bagi Sektor Pembinaan (Construction), New Industrial Master Plan (NIMP)	26/02/2020 8.30 am - 2.00 pm	Function Room 1, MIGHT Partnership Hub, Jalan Impact, 63000 Cyberjaya, Selangor.	<i>no representative</i>	0/1	CSETD	
<b>(21) Majlis Bandaraya Petaling Jaya (MBPJ)</b>							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Majlis Jawatankuasa Perancangan Bandar Bil. 1/2020	15/01/2020 9.30 am	Dewan Bunga Tanjung, Tingkat 1, Ibu Pejabat MBPJ, Jalan Yong Shook Lin, 46675 Petaling Jaya.	Ir. Elias bin Saidin	0/1	PPC	
	Mesyuarat Jawatankuasa Majlis Jawatankuasa Perancangan Bandar Bil. 2/2020	14/02/2020 3.00 pm	Dewan Bunga Tanjung, Tingkat 1, Ibu Pejabat MBPJ, Jalan Yong Shook Lin, 46675 Petaling Jaya.	Ir. Elias bin Saidin Ir. Gunasagaran a/l Kristnan	0/1 0/1	PPC PPC	
	Mesyuarat Jawatankuasa Majlis Jawatankuasa Perancangan Bandar Bil. 3/2020	16/03/2020 2.30 pm	Dewan Bunga Tanjung, Tingkat 1, Ibu Pejabat MBPJ, Jalan Yong Shook Lin, 46675 Petaling Jaya.	Ir. Elias bin Saidin Ir. Gunasagaran a/l Kristnan	0/1 0/1	PPC PPC	
<b>(22) Malaysia External Trade Development Corporation (MATRADE)</b>							
Dialogue / Meetings:	56th NAPSEC Meeting No. 1/2020	03/03/2020 3.00 - 5.00 pm	Putra Room, 22nd Floor Menara MATRADE, Jalan Sultan Haji Ahmad Shah, 50480 Kuala Lumpur	Ir. Prof. Dr. Jeffrey Chiang Choong Luin	1/1	CA	
<b>(23) Malaysia Green Building Confederation (MalaysiaGBC)</b>							
Dialogue / Meetings:	Invitation of Meeting with malaysiaGBC Institutional Partner	06/03/2020 2.30 pm	Meeting Room, malaysiaGBC Office, A-29-9, Level 29, Tower A, Menara UOA Bangsar.		0/1	InfoPub	
	11 <sup>th</sup> e-Annual General Meeting (e-AGM) of MalaysiaGBC	25/07/2020 10.00 am	via Microsoft Teams	Ir. Dato' Ahmad Murad	0/1	Stand Comm. Of Activities	<i>no rep attended due to coincide with IEM AGM</i>
	5 <sup>th</sup> e-Etraordinary General Meeting (e-EGM)	28/11/2020 10.00 am	Online meeting	Dato' Ir. Ahmad Murad Ir. Gunasagaran a/l Kristnan	1/1 0/1	Stand Comm. Of Activities Stand Comm. Of Activities	
<b>(24) Malaysia Productivity Corporation (MPC)</b>							
Dialogue / Meetings:	Mesyuarat Kumpulan Kerja Teknikal Berkontrak Dengan Kerajaan (TWGCG) Bil. 1/2020	22/01/2020 9.30 - 11.00 am	Bilik Mesyuarat Utama, Aras 10, Blok Tengah, Kementerian Kewangan Malaysia	<i>no representative</i>	0/1		
	Mesyuarat bagi Membincangkan Isu Berkaitan Polisi Beli Barangan Buatan Malaysia dalam Sektor Pembinaan Bil. 1	28/07/2020 10.00 am - 12.30 pm	Tan Sri Datuk Tee Hock Seng Conference Room, Persatuan Kontraktor Binaan Malaysia (MBAM), No. 2, Jalan 2/109e, Taman Desa Business Park, 58100 Kuala Lumpur.	Ir. Mohd Khir	1/1	Excomm	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Mesyuarat bagi Membincangkan Isu Berkaitan Polisi Beli Barangan Buatan Malaysia dalam Sektor Pembinaan Bil. 2	01/10/2020 10.00 am - 12.30 pm	Tan Sri Datuk Tee Hock Seng Conference Room, Persatuan Kontraktor Binaan Malaysia (MBAM), No. 2, Jalan 2/109e, Taman Desa Business Park, 58100 Kuala Lumpur.	Ir. Mohd Khir	1/1	Excomm	
	Mesyuarat bagi Membincangkan Isu Berkaitan Polisi Beli Barangan Buatan Malaysia dalam Sektor Pembinaan Bil. 3	12/11/2020 2.30 - 4.00 pm	Microsoft Teams	Ir. Mohd Khir	1/1	Excomm	
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri Program National Seminar on Behavioural Insights (BI) 2020	20/02/2020 8.00 am - 5.00 pm	Hotel Pulse Grande, Putrajaya	Dr. Habibah Haron	1/1	WE	
<b>(25) Malaysian Service Providers Confederation (MSPC)</b>							
Dialogue / Meetings:	11 <sup>th</sup> Annual General Meeting of MSPC	27/08/2020 6.00 pm	Asia Pacific University of Technology & Innovation ("APU"), Level 3 (Reception), Jalan Teknologi 5, Technology Park, Bukit Jalil, 57000 Kuala Lumpur	Dato' Kapt. (B) Ir. Hj. Anuar bin Yahya	1/1	CA	
				Ir. Choo Kok Beng		CA	
<b>(26) Pejabat Setiausaha Kerajaan Negeri Selangor, Bahagian Unit Pengurusan Bencana Negeri Selangor</b>							
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. 1/2020	04/08/2020 10.00 am	Bilik Gerakan Bencana Negeri Selangor, Tingkat 7, Bangunan SSAAS, 40503 Shah Alam.	En. Azahari bin Md. Rejab	1/1	DRRAB	
				Ir. Mohamad Asari		DRRAB	
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri The International Forum on Disaster Risk Reduction 2020 Sempena Penganjuran Program Sambutan Hari Sedunia Pengurangan Risiko Bencana 2020 United Nations Office for Disaster Risk Reduction	13/10/2020 3.30 - 5.00 pm	MS Teams	Ir. Loo Chee Kin	1/1	DRRAB	
<b>(27) Perbadanan Putrajaya</b>							
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menyertai Forum Bandar Hijau Karbon Rendah Putrajaya	25/02/2020 8.45 am - 2.00 pm	Dewan Seri Siantan, Kompleks Perbadanan Putrajaya, Presint 3, Putrajaya.	Ir. Teo Fang Yenn	1/1	ENETD	
<b>(28) Pertubuhan Aritek Malaysia (PAM) / Malaysian Institute of Architects</b>							
Dialogue / Meetings:	Building Information Modelling (BIM) Committee Meeting	18/02/2020 5.30 pm	Meeting Room 3&4, Level 6, PAM Centre, Jalan Tandok, Kuala Lumpur	Ir. Tan Seng Khoon	0/1	ICTSIG	
				Ir. Kesavan a/l Jaganathan	1/1	CESIG	
				Ir. Vignaeswaran a/l Shanmuganathan	0/1	CESIG	
	Building Information Modelling (BIM) Committee Meeting No. 2/2020	18/03/2020 5.00 pm	Meeting Room 3 & 4, Level 6, PAM Centre, Jalan Tandok, Kuala Lumpur	Ir. Tan Seng Khoon	0/1	ICTSIG	
			Ir. Kesavan a/l Jaganathan	1/1	CESIG		
			Ir. Vignaeswaran a/l Shanmuganathan	0/1	CESIG		

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
<b>(29) Pertubuhan Juruukur Diraja Malaysia/Royal Institution of Surveyors Malaysia (RISM)</b>							
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Malaysian Standard Method of Measurement (MySMM) 2020 Workshop Series No. 2/2020	01/12/2020 9.00 am - 5.00 pm	Zoom Online	Ir. Shahul Ikram	1/1	SC on EC	
<b>(30) Real Estate and Housing Developers' Association Malaysia (REHDA)</b>							
Dialogue / Meetings:	GreenRE Advisory Panel Meeting (No. 3)	05/02/2020 3.00 pm	National Council Room, Wisma REHDA, No. 2C, Jalan SS4/6D, 47301 Petaling Jaya.	Ir. Dr. Cheong Thiam Fook	1/1	METD	
				Ir. Soong Peng Soon	0/1	METD	
<b>(31) SME CORP.</b>							
Dialogue / Meetings:	Mesyuarat Panel Produktiviti dan Inovasi Bil. 1/2020	11/02/2020 TBC	Bilik Bunga Raya, Aras 6, Blok B, SME Corp. Malaysia	Ir. Syed Neguib	0/1	METD	
				Ir. Yasser Asrul Ahmad	1/1	ICTSIG	
<b>(32) SIRIM STS Sdn. Bhd.</b>							
Dialogue / Meetings:	Meeting of Working Group on SIRIM Eco-labelling on Drilling Fluids	24/11/2020 9.30 am	Microsoft Teams Meeting	Ir. Abdul Razak bin Yakob	0/1	OMGTD	
<b>(33) Suruhanjaya Perkhidmatan Air Negara (SPAN)</b>							
Dialogue / Meetings:	Mesyuarat JakPen Utama SPAN Bil. 1/2020	11/03/2020 9.30 am	Bilik Wilayah Persekutuan, Suruhanjaya Perkhidmatan Air Negara, Aras 1, Prima Avenue 7, Jalan Teknokrat 6, 63000 Cyberjaya, Selangor.	Ir. Elias bin Saidin	1/1	WRTD	
	Mesyuarat JakPen Utama SPAN Bil. 2/2020	16/06/2020 2.30 pm	Bilik Wilayah Persekutuan, Suruhanjaya Perkhidmatan Air Negara, Aras 1, Prima Avenue 7, Jalan Teknokrat 6, 63000 Cyberjaya, Selangor.	Ir. Elias bin Saidin	1/1	WRTD	
	Mesyuarat JakPen Utama SPAN Bil. 3/2020	17/09/2020 9.00 am - 12.30 am	Bilik Wilayah Selangor, Suruhanjaya Perkhidmatan Air Negara, Aras 1, Prima Avenue 8, Jalan Teknokrat 6, 63000 Cyberjaya, Selangor.	Ir. Elias bin Saidin	1/1	WRTD	
	Mesyuarat JakPen Utama SPAN Bil. 4/2020	16/11/2020 2.30 - 5.30 pm	Online Meeting	Ir. Elias bin Saidin	1/1	WRTD	
<b>(34) Suruhanjaya Tenaga (ST)</b>							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Teknikal (Panduan Pendawaian Elektrik di Bangunan Kediaman)	02/03/2020 9.30 am	Bilik Mesyuarat Aras 7, Ibu Pejabat Suruhanjaya Tenaga, Presint 2 Putrajaya	Ir. Lim Kim Ten	1/1	EETD	
				Ir. Francis Xavier Jacob	0/1	EETD	
	PEMUDAH-TWGGE No. 1/2020	02/11/2020 9.00 am - 10.30 am	Microsoft Teams	Ir. Chong Chew Fan Ir. Lee Cheng Pay	1/1 0/1	EETD EETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Sesi Bengkel Jawatankuasa Teknikal Panduan Pendawaian Elektrik Bangunan Kediaman (PPEBK)	04/08 - 05/08/2020 8.30 am - 5.30 pm	Hotel Palm Garden, Putrajaya	Ir. Alex Looi Tink Huey	1/1	EETD	
<b>(35) Sustainable Energy Development Authority Malaysia (SEDA Malaysia)</b>							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Teknikal Pembangunan Modul Latihan Tenaga Termal Bil. 1/2020	20/07/2020 10.00 am - 1.00 pm	Microsoft Team Platform (online)	Ir. Dr. Hayati binti Abdullah	1/1	Excomm	
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel Pembangunan Modul Latihan Tenaga Termal	02/11/2020 2.30 - 5.00 pm	Microsoft Team Platform (online)	Ir. Dr. Hayati binti Abdullah	1/1	Excomm	
<b>(36) Unit Perancang Ekonomi (UPE), Jabatan Perdana Menteri</b>							
Conferences / Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel Penghasilan Modul Latihan Perolehan Hijau Kerajaan Dalam Sektor Pembinaan (GGP Kerja) Secara Maya	03/11/2020 8.30 am - 4.30 pm	CISCO Webex	Ir. Noor Iziddin Abdullah bin Ghazali	1/1	PMTD	
<b>(37) Universiti Tenaga Nasional (UNITEN)</b>							
Dialogue / Meetings:	Mesyuarat IAP	22/10/2020 9.30 am	COE Building, Uniten	Ir. David Ng Shiu Yuen	1/1	CSETD	

**ENGINEERING HALL OF FAME**  
**KEJURUTERAAN "HALL OF FAME"**
**2009**

Allahyarham Tan Sri Ir. Hj. Yusoff bin Ibrahim	:	IEM Founding Member and 1 <sup>st</sup> 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 1 <sup>st</sup> non European to hold the position of Chairman of Commonwealth Engineering Council (CEC)
The Late 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 Jalan Timur for years until Bangunan Ingenieur is completed
Allahyarham Raja Tan Sri Ir. Zainal bin Raja Sulaiman	:	Founding Member and 2 <sup>nd</sup> 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 1 <sup>st</sup> Malaysian to become President of World Federation of Engineering Organisations (WFEO). The 2 <sup>nd</sup> 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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**IEM TOP MEMBERSHIP DRIVE AWARDS**  
**(formerly known as IEM Most Supportive Award)**  
 Anugerah IEM Bagi Organisasi / Individu Paling Menyokong

**Top Membership Drive Award for Recruitment of Graduate Members (Individual)**

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

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

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

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

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

**IEM OUTSTANDING ENGINEERING ACHIEVEMENT AWARD**  
**Penganugerahan Pencapaian Kejuruteraan Cemerlang IEM**

Year	Recipients and Projects
	<b>Jabatan Telekom Malaysia</b>
1985	Bagi Kabel Dasar-Laut: Projek Kuantan-Kuching (For the Kuantan-Kuching Submarine Cable System)
	<b>Jabatan Parit dan Taliair Malaysia</b>
1985	Bagi Projek Pengairan Muda (For the Muda Irrigation Project)
	<b>Lembaga Letrik Negara Tanah Melayu</b>
1986	Bagi Projek Pembangunan Hidro Elektrik Hulu di Perak (For the Upper Perak Hydro-Electric Development Project)
	<b>Lembaga Kemajuan Tanah Persekutuan (FELDA)</b>
1987	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)
	<b>Petroleum Nasional Berhad (Petronas Gas Sdn Bhd)</b>
1988	Bagi Projek Penggunaan Gas Semenanjung Peringkat Pertama (For the Peninsular Gas Utilisation Project - Stage 1)
	<b>Perbadanan Memajukan Iktisad Negeri Terengganu dan Sepakat Setia Perunding Sdn. Bhd.</b>
1989	Bagi Rekabentuk dan Pembinaan Pelabuhan Tanjung Berhala Malaysia (For the Design and Construction of the Port of Tanjung Berhala in Malaysia)
	<b>Lembaga Lebuhraya Malaysia</b>
1990	Untuk Projek Jambatan Pulau Pinang (For the Penang Bridge Project)
	<b>Jabatan Pengairan dan Saliran Malaysia</b>
1993	Untuk Projek Pembangunan Pertanian Integrasi di Johor Barat (For the West Johore Intergrated Agricultural Development Project)
	<b>Tenaga Nasional Berhad</b>
1993	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)
	<b>Lembaga Lebuhraya Malaysia dan Projek Lebuhraya Utara-Selatan Berhad</b>
1994	Atas Projek Lebuhraya Utara-Selatan (On the North-South Toll Expressway Project)
	<b>Jabatan Kerja Raya</b>
1995	Atas Peranan Jabatan Kerjaraya dalam Pembangunan Nasional (On the Role of JKR in National Development)
	<b>Malaysian Institute of Microelectronic Systems (MIMOS)</b>
1996	Atas Peranannya Dalam Pembangunan Mikroelektronik dan Teknologi Maklumat (On Its Role in the Development of Microelectronics and Information Technology)
	<b>Ethylene Malaysia Sdn. Bhd. dan Polyethylene Malaysia Sdn. Bhd.</b>
1997	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)
	<b>KLCC (Holdings Bhd)</b>
1998	Bagi Memajukan Projek Menara Berkembar Petronas (On the Development of the Petronas Twin Tower Project)

Year	Recipients and Projects
1999	<b>Kuala Lumpur International Airport Berhad</b> Atas Projek Lapangan Terbang Antarabangsa Kuala Lumpur di Sepang (For the Construction of the Kuala Lumpur International Airport, Sepang)
2000	<b>Sistem Transit Aliran Ringan Sdn. Bhd. (STAR) dan            Projek Usahasama Transit Ringan Automatik Sdn. Bhd. (PUTRA)</b> Atas Pembinaan Sistem Transist Ringan di Lembah Klang (For the Construction of the Light Rail Transit Systems in the Klang Valley)
2001	<b>Maju Holdings Sdn Bhd</b> Menara 1 Maju Perdana – Pencakar Langit Pertama Menggunakan Keluli Buatan Malaysia (Perdana Tower 1 – The First All Malaysia Steel High Rise)
2003	<b>Road Builder (M) Sdn Bhd</b> Atas Pembinaan Jambatan Kabel 300m Seri Saujana (On The Construction of Seri Saujana 300m Cable-Stayed Arch Bridge (BR-8) in Putrajaya)
2004	<b>Perunding Mahir Bersatu Sdn Bhd gabungan bersama (jointly with)            Sinclair Knight Merz Engineering Sdn Bhd</b> Atas Rekabentuk Struktur Pusat Konvensyen Antarabangsa Putrajaya (On The Structural Design of Putrajaya International Convention Centre)
2005	<b>M.E.I. Consultants Sdn Bhd</b> 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	<b>Zelan Construction Sdn Bhd</b> 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	<b>Multimedia University Malaysia</b> 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	<b>T &amp; T Konsult Sdn Bhd</b> 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	<b>Syarikat Mengurus Air Banjir &amp; Terowong Sdn Bhd dan Jabatan Pengairan dan Saliran</b> Atas Pembinaan & Rekabentuk Projek SMART (on the Construction and Design of SMART Tunnel Project)
2012	<b>M.E.I. Project Engineers Sdn Bhd</b> 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 Tercekap 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	<b>Ikhmas Jaya Sdn Bhd</b> Atas kejayaan dalam rekabentuk dan inovasi Jambatan Ayun Landasan Berkembar di Prai. (on the successful Design and Innovativeness of the Double Tracking Swing Bridge in Prai)
2017	<b>Shell Projects and Technology, Malaysia</b> 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)

**IEM AWARD FOR CONTRIBUTION TO ENGINEERING PROFESSION IN MALAYSIA**  
**Penganugerahan IEM Atas Sumbangan Terhadap Profesion Kejuruteraan Dalam Malaysia**

Year	Recipients
1989	<b>Y.Bhg. Tan Sri Dato' Ir. (Dr.) Shamsudin bin Abdul Kadir</b> Executive Chairman, Sapura Holdings Sdn. Bhd.
1990	<b>Ir. Hong Lee Pee</b> Director and Chief Executive, Pilecon Engineering Bhd.
1993	<b>Y.Bhg. Dato' Ir. Prof. Dr. Muhammad Ridzuan bin Hj. Salleh</b> Vice Chancellor, Universiti Teknologi Malaysia
1994	<b>Y.Bhg. Tan Sri Dato' Ir. (Dr.) Wan Abdul Rahman bin Yaacob</b> President, Board of Engineers, Malaysia concurrently Director-General of Public Works Department, Malaysia
1995	<b>Y.Bhg. Tan Sri Dato' Ir. Hj. Shahrizaila bin Abdullah</b> Director-General, Department of Irrigation and Drainage
1996	<b>Y.Bhg. Dato' Dr. Ir. Ahmad Tajuddin bin Ali</b> Director-General, Standards and Industrial Research Institute of Malaysia
1997	<b>Y.Bhg. Dato' Ir. Zaidan bin Hj. Othman</b> Executive Chairman, Time Telecommunications Sdn. Bhd. concurrently Executive Vice Chairman, Kinta Kellas Public Limited Company
1999	<b>Y.Bhg. Tan Sri Dato' Ir. Omar bin Ibrahim</b> President, Board of Engineers Malaysia concurrently Director-General of Public Works Department
2000	<b>Y.A.Bhg. Tengku Datuk Ir. Dr. Mohd Azzman Shariffadeen bin Tengku Ibrahim</b> President and Chief Executive Officer of MIMOS Berhad
2002	<b>Y.Bhg. Dato Paduka Ir. Prof. (Dr.) Hj. Keizrul bin Abdullah</b> Director-General, Department of Irrigation and Drainage
2003	<b>Y.Bhg. Tan Sri Dato' Ir. Hj. Zaini bin Omar</b> Director-General, Public Works Department
2005	<b>Y.Bhg. Tan Sri Dato' Ir. Muhammad Radzi bin Hj. Mansor</b> Chairman, Telekom Malaysia Berhad
2006	<b>Y.Bhg. Academician Dato' Ir. Lee Yee Cheong</b> President of World Federation of Engineering Organisations and Past President, IEM
2007	<b>Y.Bhg. Dato'Sri Ir. Prof. Dr. Wahid bin Omar</b> President of BEM and concurrently Director- General of Public Works Department
2010	<b>Late Ir. Chiam Teong Tee</b> Past President of IEM

**IEM AWARD FOR CONTRIBUTION TO ENGINEERING INDUSTRY IN MALAYSIA**  
**Penganugerahan IEM Atas Sumbangan Terhadap Industri Kejuruteraan Dalam Malaysia**

Year	Recipients	
2015	Utility	Tenaga Nasional Berhad
	Water and Wastewater	Salcon
	Construction	Sunway Construction Berhad
	Property Development	IJM Land Berhad

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

### IEM SPECIAL MERIT AWARD Anugerah Merit Khas

Year	Recipient and Project
2013	<b>Minconsult Sdn Bhd</b> For the successful completion of the Malaysia's first state of the art automated mail processing hub.

### IEM WOMAN ENGINEER AWARD Penganugerahan Kejuruteraan Wanita IEM

Year	Recipients
2005	Y.Bhg. Datin Paduka Ir. Prof. Dr. Siti Hamisah binti Tapsir
2006	Ir. Ong Kik Hong
2007	Ir. Prof. Dr. Siti Hawa binti 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 binti Abdullah
2016	Ir. Prof. Dr. Norlida binti Buniyamin
2018	Ir. Prof. Dr. Leong Wai Yie

**IEM YOUNG ENGINEER AWARD**  
**Penganugerahan Kejuruteraan Muda IEM**

Year	Recipients	
1991	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik	
1995	Ir. Prof. Dr. Marzuki bin Khalid	
2004	Ir. Koo Voon Chet	– Industry award
2004	Ir. 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 a/l 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

**THE ASEAN OUTSTANDING ENGINEERING ACHIEVEMENT AWARD**  
**Penganugerahan Kejuruteraan ASEAN**

Year	Recipients and Projects	Awarded in
1994	<b>Tenaga Nasional Berhad</b> ( <i>Organiser- Pertubuhan Ukur, Jurutera dan Arkitek</i> ) [PUJA] The Design and Construction of Sultan Salahuddin Abdul Aziz Power Station Phase II Project	Bandar Seri Begawan, Brunei Darussalam
1995	<b>Y.Bhg. Tan Sri Dato' Ir. (Dr.) Shamsuddin Abdul Kadir</b> ( <i>Organiser – The Institution of Engineers, Indonesia</i> )[PII]	Bandung, Indonesia
1996	<b>Malaysian Resources Corporation Berhad</b> ( <i>Organiser – The Institution of Engineers, Malaysia</i> )[IEM] The Construction of the SEGARI Power Station	Malacca, Malaysia
1997	<b>Jabatan Kerja Raja</b> ( <i>Organiser – The Engineering Institute of Thailand</i> )[EIT] The Role of the Public Works Department, Malaysia in National Development	Chiangmai, Thailand
1998	<b>Malaysian Institute of Microelectronic Systems</b> ( <i>Organiser – The Philippines Technological Council</i> )[PTC] Its Role in the Development of Microelectronics and Information Technology	Angeles City, Philippines
1999	<b>K. L. International Airport Berhad</b> ( <i>Organiser – The Institution of Engineers, Singapore</i> )[IES] The Construction of the Kuala Lumpur International Airport	Raffles City, Singapore
2000	<b>Projek Usahasama Transit Ringan Automatik Sdn Bhd (PUTRA)</b> ( <i>Organiser – Vietnam Union of Science and Technological Associations</i> )[VUSTA] The Construction of the Light Rail Transit System 2	Hanoi, Vietnam
2001	<b>Y.Bhg. Tan Sri Dato' Hj. Ir. Zaini bin Omar</b> ( <i>Organiser – Pertubuhan Ukur, Jurutera an Arkitek</i> )[PUJA]	Bandar Seri Begawan, Brunei Darussalam
2001	<b>Y.Bhg. Academician Dato' Ir. Lee Yee Cheong</b> ( <i>Organiser – Pertubuhan Ukur, Jurutera dan Arkitek</i> )[PUJA]	Bandar Seri Begawan, Brunei Darussalam

Year	Recipients and Projects	Awarded in
2002	<b>Y.Bhg. Dato' Paduka Ir. Prof. (Dr.) Hj. Keizrul bin Abdullah</b> ( <i>Organiser – Engineering Institute of Cambodia</i> )[EIC]	Phnom Penh, Cambodia
2005	<b>MEI Consultants Sdn Bhd</b> ( <i>Organiser – Laos Union of Scientists and Engineers Association</i> )[LUSEA] On The Successful Design and Completion of Stevian Biotechnology Facilities in Enstek, Negeri Sembilan	Vientiane, Lao PDR
2006	<b>Perunding Mahir Bersatu Sdn Bhd jointly with Sinclair Knight Merz Engineering Sdn Bhd</b> ( <i>Organiser – The Institution of Engineers, Malaysia</i> )[IEM] On The Structural Design of Putrajaya International Convention Centre	Kuala Lumpur, Malaysia
2006	<b>Fraser and Neave Berhad</b> ( <i>Organiser – The Institution of Engineers, Malaysia</i> )[IEM] For Zon-e @ Fraser Biz Park Development	Kuala Lumpur, Malaysia
2007	<b>Multimedia University Malaysia</b> ( <i>Organiser – The Philippines Technological Council</i> )[PTC] On Its Role as the First Private University in Malaysia in Providing Quality Engineering Education	Cebu, Philippines
2007	<b>Y.Bhg. Dato' Ir. Dr. Gue See Sew</b> ( <i>Organiser – The Philippines Technological Council</i> )[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)	Cebu, Philippines
2008	<b>T &amp; T Konsult Sdn Bhd</b> ( <i>Organiser – The Engineering Institute of Thailand</i> )[EIC] On the Design, Construction and Operation of Bukit Tagar Sanitary Landfill Project	Bangkok, Thailand
2010	<b>Ir. Choo Kok Beng</b> ( <i>Organiser – Vietnam Union of Science and Technological Associations</i> )[VUSTA] For his contribution to ASEAN Engineers Register (AER) and ASEAN Federation of Engineering Organisation (AFEO)	Hanoi, Vietnam
2011	<b>Syarikat Mengurus Air Banjir &amp; Terowong Sdn Bhd and Department of Irrigation and Drainage [JPS]</b> ( <i>Organiser- Pertubuhan Ukur, Jurutera dan Arkitek</i> )[PUJA] On the Construction and Design of SMART Tunnel Project	Bandar Seri Begawan, Brunei Darussalam
2012	<b>M.E.I. Project Engineers Sdn Bhd</b> ( <i>Organiser – Board of Engineers, Cambodia</i> )[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'	Phnom Penh, Cambodia
2014	<b>Ikhmas Jaya Sdn Bhd</b> On the successful Design and Innovativeness of the Double Tracking Swing Bridge in Prai	Yangon, Myanmar
2015	<b>Jambatan Kedua Sdn Bhd</b> ( <i>Organiser – The Institution of Engineers, Malaysia</i> )[IEM] On the successful Design and Construction of the Second Penang Bridge Project	Penang, Malaysia
2015	<b>PPAMPS, Ministry of Energy, Green Technology and Water Malaysia</b> ( <i>Organiser – The Institution of Engineers, Malaysia</i> )[IEM] On the successful Design and Construction of the Pahang-Selangor Raw Water Transfer Project	Penang, Malaysia
2015	<b>Jabatan Bekalan Air KETTHA and Angkasa Consulting Services Sdn Bhd</b> ( <i>Organiser – The Institution of Engineers, Malaysia</i> )[IEM] For Outstanding Achievement in Managing the Challenges in the Design, Construction and Supervision of Mengkuang Dam Expansion Project Pulau Pinang	Penang, Malaysia
2015	<b>Perbadanan Bekalan Air Pulau Pinang Berhad</b> ( <i>Organiser – The Institution of Engineers, Malaysia</i> )[IEM] For the Design and Construction of the Sungai Dua Water Treatment Plant	Penang, Malaysia
2015	<b>Y.Bhg. Dato Wong Siew Hai</b> ( <i>Organiser – The Institution of Engineers, Malaysia</i> )[IEM] For his success as an Outstanding Engineer and Industry leader who has devoted constantly to the Society and Community in Malaysia	Penang, Malaysia

Year	Recipients and Projects	Awarded in
2017	<b>Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik</b> ( <i>Organiser – The Engineering Institute of Thailand [EIT]</i> )	Bangkok, Thailand
2017	<b>Shell Projects and Technology, Malaysia</b> ( <i>Organiser – The Engineering Institute of Thailand [EIT]</i> ) For the successful Design and Construction of the Malikai Deepwater Tension Leg Platform Project)	Bangkok, Thailand

**FEIAP ENGINEER OF THE YEAR AWARD  
Penganugerahan Jurutera Tahunan FEIAP**

Year	Recipients
2010	<b>Y.Bhg. Dato' Ir. Dr. Gue See Sew</b>
2014	<b>Y.Bhg. Dato' Paduka Ir. Hj. Keizrul bin Abdullah</b>
2017	<b>Y.Bhg. Academician Dato' Ir. Lee Yee Cheong</b>
2019	<b>Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik</b>

**WORLD FEDERATION OF ENGINEERING ORGANISATION (WFEO)  
Hassib J Sabbagh Award for Engineering Construction Excellence**

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

**WORLD FEDERATION OF ENGINEERING ORGANISATION (WFEO)  
Medal of Excellence in Engineering Education**

Year	Recipients
2019	<b>Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik</b>

**MINUTES OF 61<sup>st</sup> ANNUAL GENERAL MEETING OF THE INSTITUTION OF ENGINEERS, MALAYSIA  
HELD ON 25 JULY 2020 VIA HYBRID MODE AT 9.00AM**

***MEMBERS PRESENT – AS PER APPENDIX A***

**1.0 OPENING ADDRESS BY THE PRESIDENT**

1.1 The President, Ir. David Lai Kong Phooi called the AGM to order at 9.07am and thanked the members for making time to attend the AGM. The President then reported on the activities / events held since May 2019 until July 2020. He further informed that with the Movement Control Order (MCO) imposed from 18 March 2020 until tentatively 31 August 2020 due to pandemic had drastically changed the way of life of IEM members as well as operations of IEM. The economic had also be greatly impacted and this had affected businesses and careers. The President further informed that during this period, IEM had done its bit in charitable works. He then thanked the members and donors who contributed to the COVID-19 Fund which was used to purchase 3-ply medical face masks. These masks had been donated to the following organisations:

- i) University Hospital for the medical front-liners – (10,000 face-masks)*
- ii) Malaysian Association of the Blind for their vision impaired members – (5,000 face-masks)*
- iii) Malaysian Federation of the Deaf for the hearing impaired members – (5,000 face-masks)*

The President also informed the AGM that due to the COVID-19 pandemic, he will be the longest serving President of the Institution since its inception, serving from 21 April 2018 until 25 July 2020 which was two (2) years three (3) months and three (3) days.

The President then proceeded with a short summary of his involvement with the Institution since 1987 in which he served as Branch Chairman, member of the various Sub Committees and Standing Committees, the Council, Excomm and currently as President of IEM. In addition to his serving as a member of the Institution, the President had also penned down his thoughts and visions in five (5) issues of the Jurutera.

He added that during his tenure as President, he had engaged close working relationships with all the IEM Branches including a Chapter of one of the Branches and has endeavoured to maintain close rapport with various Ministries as well as the Heads of the international engineering organisations such as World Federation of Engineering Organisation (WFEO), ASEAN Federation of Engineering Organisation (AFEEO), International Engineering Alliance (IEA), Commonwealth Engineers' Council (CEC), Federation of Engineering Institution of Islamic Countries (FEIIC) and Federation of African Engineering Organisation (FAEO).

The President also reported that IEM successfully celebrated its 60<sup>th</sup> Anniversary Annual Dinner on 20 April 2019 at Sunway Resort Hotel where IEM managed to sell 139 tables which was considered as a record-breaking performance where IEM's Annual Dinner was concerned. He then congratulated the IEM Annual Dinner Organising Chairman, Ir. Gopal Narian Kutty for organizing the event.

The President further commented that as a professional learned society, IEM should instill respect, encouragement and promote diversity of opinions amongst the members. He commented that being a President of the Institution was not an easy task as he had to face many challenges. In upholding and preserving the sanctity and dignity of the office of IEM President, he regretted that the personal friendship which he had with some of the members had been strained.

On another note, the President informed that for the past month since 3 June 2020, IEM had been embroiled in crisis management of an international event due to the COVID-19 pandemic. He further informed that not less than twenty (20) official meetings were conducted mainly to ensure that there would not be any financial or legal implication to IEM due to the event. After considerable negotiations, a joint announcement was successfully agreed upon by both parties in order to proceed with the international event.

The President thanked the Task Force for their tenacity in coming to an amicable resolution on this organizing of the event. He also thanked the relevant Committees that were involved namely the Oversight Committee which comprised of Y.Bhg. Dato' Paduka Hj. Ir. (Dr.) Keizrul Abdullah, Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik and Ir. Dr. Tan Yean Chin, the WTC Organising Committee Chairman, Ir. Dr. Ooi Teik Aun, the Deputy President, Ir. Ong Ching Loon and the IEM TC Board of Directors who have provided tremendous assistance to the President. The AGM was informed that the joint announcement was finally signed on the night of 11 July 2020 with international coverage and also published in one of the daily newspapers the following day.

The President then informed that although he might have had disagreement over certain issues with some senior members, he did it mainly for the best interest of the Institution. The President further stressed that he would not have achieved his task as a President without the strong support of the Excomm and the Vice Presidents. He further informed that for the sixteen (16) Excomm meetings, the attendance by the Excomm members was 90% and he personally thanked Ir. Prof. Dr. Jeffrey Chiang Chong Luin and Ir. Fam Yew Hin for their 100% attendance.

The President also thanked the Honorary Secretary, Ir. Mohd Khir bin Muhammad for his support and contribution during the trying times. The President further conveyed his appreciation to the Secretariat who has provided their assistance and at times, beyond office hours. Lastly, but not least the President thanked the members for their support, guidance and advice during the last two (2) years.

The President then proceeded to report on the following items:

## 1.2 Updates on IEM for Session 2019/2020

The AGM was informed that the current standing of the IEM membership was 53,894 members comprising of the various grades of which 31,419 were Student members.

The President further informed that he attended the following international meetings:

- 1) Mid-term AFEO Governing Board meeting held in Brunei on 29 April 2019
- 2) ITA meeting in Naples, Italy in May 2019
- 3) IEA Meeting in Hong Kong from 10-14 June 2019
- 4) CAFEO 37 in Jakarta, Indonesia from 11-14 September 2019

Apart from attending the above-mentioned meetings, he also attended and shared dialogue sessions with a number of visitors from various professional engineering institutions such as Engineers Australia, China Association of Science and Technology, Myanmar Board of Engineers, Persatuan Insinyur Indonesia as well as other organisations namely the Association of Consulting Engineers Malaysia (ACEM) and Mesyuarat Majlis Standard dan Akreditasi Malaysia (MSDAM).

IEM had also signed Memorandums of Understanding with a few Institutions of Higher Learning (IHLs) such as Northwestern Polytechnical University (NPU), China on 29 June 2019, Heriot-Watt University on 8 July 2019 and KDU University College on 17 October 2019. Apart from the IHLs, IEM also signed MoU with Malaysia Oil and Gas Council (MOGSC) on 8 July 2019 and Malaysia Green Technology Corporation on 9 October 2019.

The President also attended the World Federation Engineering Organisation (WFEO) held from 14-19 November 2019 where he met the African delegates representing FAEO at WFEO General Assembly in Melbourne, Australia. Apart from the mentioned meetings, the President also attended the Commonwealth Engineers Council (CEC) meeting on 19 November 2019 and the FEIAP General Assembly on 21 November 2019 in Melbourne, Australia.

The President also officiated the launching of the IEM Maker Space on 5 October 2019 at Wisma IEM and a soft launch on the IEM Convention organised by CIS Network on 12 December 2019.

The AGM was also informed that during the Movement Control Order (MCO), the IEM Secretariat was closed and all meetings were held online. Two (2) press statements were issued during this period.

During the MCO, the President and the Deputy President were also invited to attend a dialogue session with the Minister in the Prime Minister's Department, Y.Bhg. Dato' Sri Mustapha Mohamad on issues related to building sectors on 23 April 2020. Subsequently, on 20 May 2020, the Deputy President attended a meeting with the Minister of Finance, Y.Bhg. Senator Tengku Dato' Sri Zafrul Tengku Abdul Aziz.

The President also attended a meeting organised by the Ministry of International Trade and Industry (MITI) chaired by the Deputy Secretary General of MITI, Dato' Sri Norazman Ayob to discuss on the operations of the service industry during the MCO on 28 April 2020. On 24 and 25 June 2020, the President together with the Deputy President attended the IEA Meeting via virtual platform.

## 2.0 AGENDA for AGM

Upon concluding his report, the President then presented the Agenda for the AGM as follows:

1. Confirmation of Minutes of 60th Annual General Meeting held on 20 April 2019
2. Matters Arising from the 60th Annual General Meeting held on 20 April 2019
3. Presentation of Honorary Secretary's report
4. Presentation of Financial Statements for the Year ended 31 December 2019
5. Proposed Amendments to the Constitution
6. Questions Submitted by members
7. Presentation of the Results of Election for Council Session 2020/2021
8. Presidential Address for Session 2020/2021

Since there was no objection to the Agenda, the President proceeded with 61<sup>st</sup> Annual General Meeting proper.

### 3.0 CONFIRMATION OF MINUTES OF 60<sup>th</sup> ANNUAL GENERAL MEETING HELD ON 20 APRIL 2019

The President invited members to go through the minutes of the previous AGM which was printed on pages 52 until page 70. The AGM was also requested to go through the attendance list from pages 71 to 75 and the Bahasa Malaysia version which was on pages 76 to 94.

President further informed that should any member wish to comment, he/she would need to click on the "RAISE HAND" icon.

Ir. Lai Sze Ching (F04687) informed that the composition of members for the Special Committee on Amendments to the IEM Constitution on page 19 should include Ir. Mohd Khir bin Muhammad, Ir. Fam Yew Hin and Ir. Lee Boon Chong.

Since there were no further errors highlighted in the minutes, Ir. Yam Teong Sian (F05613) proposed that the minutes of the 60<sup>th</sup> Annual General Meeting held on 20 April 2019 be confirmed and adopted. The motion was seconded by Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik (HF09157).

### 4.0 MATTERS ARISING

The President provided clarifications on the following items raised at the 60<sup>th</sup> Annual General Meeting held on 20 April 2019:

#### 4.1 *Page 53 –55* *Item 3.0 - Simplifying Process for Membership*

The AGM was informed that various promotional exercises were carried out to increase membership especially for the grades of Member of IEM (MIEM) and Graduate.

It was noted that for the last session, the membership for MIEM was increased by 599. However, the Graduate membership was still not up to expectation.

In view of this, the Standing Committee on Welfare had taken steps to look into getting additional benefits to attract more members including graduate engineers to join IEM. Apart from this, the AGM was informed that the Logbook Sub Committee repositioned and renamed as Engineering Competency Development Sub Committee were also actively promoting the IEM Logbook and Mentor scheme. IEM was also in the midst of arranging an Online Mentoring scheme aimed at providing more benefits as well as guidance to graduate engineers so that they will join IEM.

#### 4.2 *Page 60-61* *Item 7.0 - On the issue of the complaint against the President by a member, the AGM to note that Council directed the Standing Committee on Professional Practice to look into the complaint*

The AGM was informed that further to the letter of complaint presented at the last AGM and thereafter at the 419<sup>th</sup> Council meeting held on 21 October 2019, a Screening Panel was formed by the Standing Committee on Professional Practice to determine whether the complaint was against:

- the office of the President; or
- the person holding the office of the President

Council at the time, was informed that Excomm, after considerable debate and discussion established that the complaint was not against a member and as such, no Investigation Committee need to be formed for the case. It was concluded by Excomm that the complaint was more on governance rather than on misconduct of an individual. It was further established that the complaint was on the way the President chaired the meetings.

The AGM also noted that Excomm after deliberation and with temporary retirement of the President from the meeting, took a vote by secret ballot on whether there was a need to form an Investigation Committee. The majority voted not in favour and Excomm concluded that there was no necessity to form an Investigation Committee on this matter.

Council had thus agreed that the matter was considered as closed.

#### 4.3 *Page 62 – 65 – Item 8.0* *Amendments to Constitution*

The AGM was informed that comments made at the last AGM were taken into consideration and the revised amendments would be presented under Item 6 of the Agenda.

## 5.0 ANNUAL REPORT FOR SESSION 2019/2020

The President then invited the Honorary Secretary, Ir. Mohd Khir bin Muhammad to present the various activities and events organised in 2019 which was printed on pages 101 to 109 of the Annual Report. The Honorary Secretary proceeded to report on the matters highlighted in the Annual report as follows:

### 5.1 Council and Excomm

For the Session 2019/2020, the Council with a total of 72 members had five (5) Council meetings. The Council at their meetings discussed matters related to policy as well as management of properties and affairs of the Institution.

Excomm comprised of nineteen (19) members. Due to the Movement Control Order (MCO) the AGM had to be delayed. It was noted that Excomm for the first time in IEM history, had sixteen (16) meetings for session 2019/2020. The role of Excomm was to mainly implement and carry out the decisions of the Council.

### 5.2 Standing Committees and Day-to-Day Operations

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

### 5.3 Membership

The Honorary Secretary informed that up to 31 December 2019, a total of 6,087 candidates were approved for admission/election/transfer to the various grades. Out of the new members recruited, 4,563 were students. However, 2,304 members were in arrears of membership and needed to be suspended. The overall total of IEM membership was 53,894 of which 32,260 were from the Branches.

In terms of breakdown of membership by grades, the Honorary Secretary further informed that Student membership had the most percentage that is 58.3% followed by Corporate Members (23%), Graduate (18%), Companion (0.4%) and the other grades such as Incorporated, Affiliate and Associate were 0.4%.

### 5.4 Professional Interview

The AGM noted that for session 2019/2020, a total of 207 candidates applied to sit for the Professional Interview (PI). It was further noted that 170 candidates have passed which made up a passing rate of 82%. The number of candidates who failed the PI was 21 which made up a failure rate of 17%. A total of 10 candidates were still waiting for their results.

### 5.5 IEM Publication

The Honorary Secretary informed the AGM that the “Jurutera” – IEM Bulletin had all this while been published monthly.

However, due to the MCO, the first issue of the e-Bulletin which was in a readable format and not necessary to be downloaded was introduced for ease of reading. The AGM was further informed that due to the 100% increase in the postage fee, the “Jurutera” would no longer be sent by post to the members individually. However, a small number of copies had been printed and were available for the members to collect at the IEM HQ or the Branches.

It was further reported that two (2) issues of the Journal had been published and IEM was currently looking into having the IEM Journal SCOPUS indexed. Members were encouraged to submit their papers for the IEM Journal.

### 5.6 IEM Activities 2019

The Honorary Secretary reported that there were altogether 430 events held for the last session 2019/2020. These events included evening talks, technical visits, courses and seminars, competitions and IEM social events such as golf and bowling tournaments, IEM Family and Engineering Week.

### 5.7 Members' Benefits

The AGM was informed that since the introduction of the IEM Loyalty Card in 2017, IEM had signed up more merchants to provide additional benefits for the members. Apart from providing discounts to IEM members on various categories such as automobiles (*BMW, Mercedes-Benz, Volvo, Audi, etc.*), restaurants and sportswear, the additional merchant was under the healthcare category, Institut Jantung Negara (IJN).

## 5.8 Events at IEM Branches

The Honorary Secretary reported that the IEM Branches namely Negeri Sembilan, Sarawak, Southern and Penang managed to hold their Annual Dinners accordingly before the MCO. It was noted that a campaign on Dengue Awareness was organised by the Melaka Branch on 23 August 2019.

## 5.9 Impact of COVID-19 Pandemic

The AGM was informed that the directive issued by the Registrar of Society (ROS) on 16 March 2020 disallowing all societies to organise activities where there would be a gathering of people such as meetings and activities had affected IEM as a whole.

An Ad-Hoc Committee on COVID-19 was formed mainly to look into the impact of the pandemic and the MCO on IEM and its members. The members of the said Ad-Hoc Committee comprised of the President, the Deputy President, the incoming Deputy President, the Honorary Secretary and Honorary Treasurer as well as the seven (7) Vice Presidents.

Amongst the proactive actions taken by the Ad-Hoc Committee was to write to the Government namely the Prime Minister, the Ministry of Finance (MoF), Ministry of International Trade and Industry (MITI) and the Ministry of Works (MoW) providing suggestions and recommendations in response to the first Government initiative (PRIHATIN). IEM also offered the expertise of its members to assist the government if needed.

In addition to the above, the IEM President and Deputy President were also invited to attend a few meetings initiated by the Economic Action Council (EAC), MITI and the MoF.

Subsequent to the meetings, IEM had provided feedback and proposals as follows:

<i>EAC</i>	<i>Risks and Challenges Faced by the Professionals in Construction Sector due to COVID-19 Pandemic on 23 April 2020</i>
<i>MITI</i>	<ul style="list-style-type: none"> <li><i>i. Issues Faced by Professional Services (PS) when Commencing Business on 10 April and 28 April 2020</i></li> <li><i>ii. Post -MCO Economic Recovery Measures on 13 and 19 May 2020</i></li> </ul>
<i>MoF</i>	<i>Reviving the Economy on 28 May 2020</i>
<i>MoW</i>	<ul style="list-style-type: none"> <li><i>i. Cadangan Penyediaan Rangka Strategi Rancangan Malaysia Ke Dua Belas (RM ke-12)</i></li> <li><i>ii. Cadangan Isu Berkaitan Gubalan RUU Pelaksanaan Langkah Sementara bagi Mengurangkan Kesan COVID-19 on 2 June 2020</i></li> </ul>

The AGM was further informed that in order to enable IEM to provide feedback on the needs of IEM members, IEM had also conducted three (3) surveys with the respective dates and number of responses received as follows:

- Impact of COVID-19 on IEM Members – categorised to Employees, Employers and Retired Engineers from 5-9 April 2020 with 801 responses*
- Impact on COVID-19 on Students - from 30 April-7 May 2020 with 379 responses*
- Follow-up Survey on Impact of MCO on IEM members - categorised to Employees, Employers and Retired Engineers from 22 May-7 June 2020 with 465 responses*

## 5.10 IEM Circulars

The Honorary Secretary further reported that to date, IEM had issued seven (7) circulars with information for IEM members. It was noted that Circular No. 8 and Circular No. 9 would be released soon. The Circulars were also available on the IEM website at [www.myiem.org.my](http://www.myiem.org.my) for the members information.

<i>IEM Circular No. 1</i>	<i>Advice to Members on Factors to be Cautious</i>
<i>IEM Circular No. 2</i>	<i>IEM Initiatives for members</i>
<i>IEM Circular No. 3</i>	<i>Feedback of IEM on the Impact of COVID-19, the Stimulus Packages and Proposals to the Government</i>
<i>IEM Circular No. 4</i>	<i>IEM Secretariat Office Resume Operation</i>
<i>IEM Circular No. 5</i>	<i>CPD for Webinars and Other Updates</i>
<i>IEM Circular No. 6</i>	<i>Makluman Penguatkuasaan Perintah Khas Ketua Pemeriksa Bil.1 dan 2 2020</i>
<i>IEM Circular No. 7</i>	<i>Extension of Time (EOT) for Circulation and Lodgement of Financial Statement</i>

### 5.11 IEM Adapting to New Normal

The AGM noted that IEM had to adapt to the New Normal since the enforcement of the Movement Control Order (MCO) as physical meetings and activities were not allowed. In view of this, IEM had to immediately move the meetings and activities to virtual platform.

The Honorary Secretary reported that in order to facilitate meetings to be conducted online, IEM signed up for three (3) virtual accounts to cater for the meetings of all Committees and Technical Divisions of IEM. The AGM was also informed that the Excomm meeting held on 6 April 2020 would go into IEM history as the first ever Excomm meeting conducted virtually.

### 5.12 IEM Webinar

The AGM was informed that with the imposition of the restriction from ROS, IEM had to urgently look into moving its activities to virtual platform. The first IEM webinar was conducted on 18 April 2020 by the Engineering Competency Development Sub Committee. It was noted that more than 300 members registered for the webinar but due to the constraints of IEM's account, only 100 participants could attend. IEM had conducted about 70 webinars since then, with more than 10,289 attendees of which 40% were from Klang Valley and approximately 1% from overseas. The AGM was further informed that another 43 webinars were in the pipeline. With the overwhelming response from members, IEM signed up for a higher capacity account which enabled the webinars to cater to 500 participants.

The Honorary Secretary reported that with Recovery MCO announced on 7 June 2020 and the lifting of the restriction by ROS, IEM would be looking into resuming physical activities soon. Nevertheless, taking into consideration the safety and health of members as well as the need for physical distancing, IEM may probably consider a hybrid mode for activities. This would also enable members from outside Klang Valley to benefit from the numerous activities organised at HQ.

### 5.13 IEM Secretariat Set-Up

The Honorary Secretary went on to brief the AGM on the set up of IEM Secretariat which comprised of 39 staff. Currently, there are six (6) staff in the Managerial level, 24 Executives and nine (9) Assistant Executives.

#### 5.13.1 Long Service IEM Secretariat Staff

The Honorary Secretary took the opportunity to inform the AGM that there were some IEM Secretariat staff who had served IEM for a long time. They were:

1. Ms. Ooi Beng Ean	44 years
2. Pn. Halimah Musa	24 years
3. Mr. Loo Weng Soon	23 years
4. Pn. Norimah Md Hashim	20 years
5. Ms. Sarita Kaur	20 years
6. Ms. Janet Lim	20 years
7. En. Abdullah Anda	15 years
8. Ms. Prema Silvarajan	15 years
9. Pn. Ruhaida Daud	10 years

He expressed his appreciation to the IEM Secretariat for their support and assistance during his two (2) year tenure as Honorary Secretary.

The President thanked the Honorary Secretary for his presentation and proceeded to invite questions from the members. The President informed that only five (5) questions would be accepted. The members were requested to click on the **RAISE HAND** icon and the IT Secretariat would allow the members to type in his/her question. The question would be flashed on the screen before a response is given.

Past President, Y.Bhg. Datuk Ir. Dr. Ow Chee Sheng who was attending the AGM all the way from New Zealand commented that it was not possible for attendees to unmute and speak as the AGM was being conducted using webinar. He informed that some international bodies were using "*GoToMeeting*" platform which enables attendees to speak and suggested that IEM look into more user-friendly online platform. The President noted the suggestion and agreed that IEM would explore more options to conduct online meetings in the near future.

Since there were no further comments or questions via online and from Council members in the auditorium, Y.Bhg. Dato' Ahmad Murad bin Omar (F04741) proposed that the Annual Report be adopted. The motion was seconded by Ir. Haidel Heli (F22455).

## 6.0 ACCOUNTS FOR THE YEAR ENDED 31 DECEMBER 2019

The President then invited the Honorary Treasurer, Ir. Chen Harn Shean to present the financial statements for The Institution of Engineers, Malaysia for the period 1 January 2019 to 31 December 2019. Ir. Chen Harn Shean informed the AGM that the accounts presented would be from pages 157 to 183.

- 6.1 The Honorary Treasurer informed the AGM that the financial statements presented comprised of three (3) sets of accounts that is those of IEM, IEM Training Centre Sdn Bhd and IEM Academy Sdn Bhd.

The financial statements did not include the Branch accounts.

The AGM was informed that the main focus of the presentation was the accounts of IEM that was referring to the column "Institution".

- 6.2 The Honorary Treasurer reported that the total income for 2019 was approximately RM5,014,556. The figure comprised of the main income (RM3,841,273), the Institutional Services (RM428,887) and the rental income (RM744,396). It was noted that the overall income decreased by 2% in 2019 compared to 2018.

- 6.3 The Honorary Treasurer further reported that there was a 6.9% improvement on the amount of the annual subscriptions collected i.e. 91.2% in 2019 compared to 88.8% in 2018.

- 6.4 The rental income had also increased by 14% and there was a 39% increase in the fixed deposit interest. However, the Institutional services, arbitration levy and credit card commission have decreased by 17%, 76% and 11% respectively.

- 6.5 The Honorary Treasurer informed that the total expenses for 2019 was RM5,170,734, a reduction of 15% compared to 2018 which was RM6,081,431. The main contributors to the decrease in the expenses were from the personal emoluments which decreased by 19%, intersociety activities (13%), administrative expenses (11%), building maintenance (7.2%) and finance expenses (1%). However, it was reported that the Branch subsidies increased by 8% as it would based on increase in annual subscription collected.

The AGM was further informed that beginning this year (2020), Peninsular Malaysia Branches would be given an increase in their subsidy from 20% to 30% while the East Malaysia Branches' subsidy would remain at 40%. This was in response to the call from the Branches to increase their subsidies mainly to provide better services to their members in their respective regions.

- 6.6 The Honorary Treasurer reported that the overall performance of the Institution was a deficit of RM212,933 in 2019 compared to deficit of RM1,021,277 for the year 2018. This was considered a huge improvement compared to the year 2018.

The President then thanked the Honorary Treasurer for his report and proceeded to invite questions from the members. The members who were attending online were requested click on the RAISE HAND icon should they wish to ask any question.

While waiting for questions to be raised on the financial statement, the President informed AGM that the Past Presidents present online were Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin, Y.Bhg. Datuk Ir. Dr. Ow Chee Sheng, Ir. Choo Kok Beng, Ir. Vincent Chen Kim Kieong and Y.Bhg. Dato' Ir. Dr. Gue See Sew.

## 6.7 Questions Session – Accounts

- 6.7.1 YBhg. Dato' Ir. Andy Seo Kian Haw (F13276) informed the AGM that at the last AGM meeting, he raised the question on the "*Trade and non-Trade Receivables*" and he now noted that the collection had increased tremendously compared to last year. He then congratulated IEM on this achievement.

However, YBhg. Dato' Ir. Andy Seo Kian Haw (F13276) pointed out that the "*Trade and Non-Trade Payables*" had increased double fold. This was cited on page 172 of the Annual report. It was commented that the figures for 2019 was RM1,305,323 compared to RM752,682 for the year 2018.

The Honorary Treasurer explained that the huge increase of the figure was mainly due to the WTC2020's income and expenses which can only be recognised in 2020 as the event would be held in 2020. YBhg. Dato' Ir. Andy Seo Kian Haw (F13276) suggested that there should be a note to indicate the explanation.

The President also informed that in 2019, that there was an increase in the collection of subscription in arrears which was RM448,789 compared to the previous year which was RM372,050. However, the AGM was informed that the income from activities had reduced and hoped that more events would be organised in the year 2021.

- 6.7.2 There was a question raised by Ir. Loo Chee Kin (M15863) on the decline of income from the Technical Divisions (TD) on page 178 and what IEM intend to do in order to improve the publicity of events organised by the TDs and Special Interest Groups (SIG). Ir. Loo Chee Kin (M15863) also suggested that IEM should start looking at having more Memorandums of Understanding (MoU) with other organisations.

The President thanked Ir. Loo for his question and informed that IEM will continue to improve the activities organised including conducting activities via online platform.

- 6.7.3 Ir. Sivalingam a/l Velupillai (F09546) queried on the difference between personnel emoluments and administrative expenses. The President explained that the personnel emoluments were on the staffs' salaries whereas the latter was expenses apart from the staffs' salary as stated on page 174. The President informed that the personnel emoluments had decreased by 19% compared to last year.

As there were no further questions from the floor as well as online, YBhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik's (HF09157) proposed the adoption of the Financial Statements for IEM for the year ended 31 December 2019. The motion was seconded by Ir. Mohd Aman bin Hj. Idris (F02176). The AGM then adopted the Financial Statement.

## 7.0 EDUCATION FUND FINANCIAL STATEMENT – 31 DECEMBER 2018

The Honorary Treasurer then continued to report on the Financial Statements of the Education Fund for the year ending 31 December 2019 from page 194 to page 204.

- 7.1 The AGM was informed that donations received amounted to RM113,123 in 2019 compared to RM49,810 in 2018. This donation received included RM50,000 contributed by the Geotechnical Engineering Technical Division to set up the TT Chiam Memorial Scholarship.

- 7.2 The Fixed Deposit Interest earned in 2019 was RM48,682, with a slight improvement compared to the year 2018 which was RM43,234.

- 7.3 Where the expenditure was concerned, the Honorary Treasurer further reported that the scholarship given out in 2019 was RM42,000. He further informed that the Presidential scholarship together with the Tan Sri Prof Chin Fung Kee Memorial Scholarship and Ir. Thean Lip Thong Scholarship had been advertised.

The Honorary Treasurer informed the AGM that the Ir. Thean Lip Thong Scholarship was for students from Universiti Malaya whereas the Tan Sri Prof. Chin Fung Kee Memorial Scholarship was for other universities.

- 7.4 The AGM was also informed that the overall deficit was RM20,721 compared to RM60,198 in 2018. This was in compliance with the 50% Spending Rule of Inland Revenue Board (IRB) for Tax Exempt Account.

- 7.5 Ir. Simon Yeong Chin Chow (F18660) commented that there were no figures stated under the item "*Non-trade receivables*" for 2019 on page 194. The Honorary Treasurer noted the error by the auditors and will be rectified. It was nevertheless pointed out by YBhg. Dato' Ir. Andy Seo Kian Haw (F13276) that there was a figure appearing on this item on page 195 for the same heading. The AGM was informed that IEM would be replacing the auditors.

- 7.6 Ir. Simon Yeong Chin Chow (F18660) also queried on the types of IEM Events projected under the expenditure heading for 2019 which amounted to RM86,445. The Honorary Treasurer informed that the events included seminars and courses. It was noted that the Branches would need to apply or write to HQ should they require some allocation of funds from the Education Fund. Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik's (HF09157) however clarified that since the allocation was from the Education Fund, the request should be related to education such as supporting the engineering students.

- 7.7 There was a query from Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah (HF01691) on how IEM would deal with the donation of RM50,000 contributed by the Geotechnical Engineering Technical Division since IEM had to comply with the 50% tax exemption.

The Deputy President, Ir. Ong Ching Loon (F11938) explained that in order to comply with the 50% tax exemption, IEM had to ensure that the money would be spent on activities related to education.

- 7.8 Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah (HF01691) suggested that IEM should check with the IRB as this was a revolving fund and if IEM spent less than 50% per year what would be the consequences and whether the IRB had any provision on this.

Further to the query by Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah (HF01691), Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik (HF09157) highlighted that the 50% spent was for the previous year. President also informed that IEM received the donations towards the end of the previous year and 50% of the money could not be spent.

Since there were no questions from the floor, Ir. Dr. Tan Chee Fai (F18343) proposed the adoption of the Education Fund financial statement for the year ended 31 December 2019 and the motion was supported by Ir. Sreedaran a/l Raman (M38681). The AGM then adopted the Education Fund financial statement.

## 8.0 PROPOSED AMENDMENTS TO CONSTITUTION AND BYLAWS

The President informed the AGM that the proposed amendments were presented on pages 6 to 8. The President further informed that approval of the amendments by the AGM would be via e-voting. Members were requested to ensure that they had their User ID and Password for the portal on-hand when they receive the SMS.

The President then invited Ir. Lai Sze Ching to go through the amendments article by article of which all the comments from the last AGM had been addressed. The following Articles were mentioned:

### 8.1 ARTICLE II MEMBERSHIP

#### Article 2.2

The amendments were on the change of name from Companion to Senior Graduate Members and inclusion of four (4) new grades of membership:

- (ea) Engineering Technologists Members**
- (eb) Engineering Technologist Graduate Members**
- (ec) Engineering Technician Members**
- (ed) Engineering Technician Graduate Members**

### 8.2 Article 2.5

The amendments were on including the pre-fix for the above-mentioned new membership grades:

- Senior Graduate Member S.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.**

### 8.3 Article 2.14

The amendment was on changing the membership grade name from Companion to Senior Graduate Member. In addition, the following new Articles had been inserted:

#### **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.*

### 8.4 ARTICLE IV SOURCES OF INCOME

#### Article 4.1 – Entrance and Transfer Fees

The amendment was on the change of name from Companion to Senior Graduate Member.

The following fees were inserted:

- (i) who has been an Associate Member 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 the this grade. **RM50.00**
- (ii) who does not fulfil the requirements in (cd)(i) above. **RM80.00**

#### 8.5 Article 4.2 Annual Subscription

##### *Article 4.2.1*

The AGM was informed on the change of name for “Companion” to “Senior Graduate Member”. In addition, the following four (4) new sub-section had been inserted after Graduate Member with the respective fees:

<b>Engineering Technologist Member</b>	RM155.00
<b>Engineering Technologist Graduate Member, who in the year, has attained the age of 30</b>	RM155.00
<b>Engineering Technologist Graduate Member, who in the year, has not attained the age of 30</b>	RM100.00
<b>Engineering Technician Member</b>	RM155.00
<b>Engineering Technician Graduate Member, who in the year, has attained the age of 30</b>	RM155.00
<b>Engineering Technician Graduate Member, who in the year, has not attained the age of 30</b>	RM100.00

#### 8.6 Article 4.4 – Economic Activities

The AGM was further informed that the additional wordings had been inserted (*in italic and bold*) as follows:

“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, exhibition, conferences etc.**”

#### 8.7 Article 5.1

The AGM was informed on the amendments as follows:

- 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.*

#### 8.8 Article 5.2

The AGM was informed that there were no amendments to the said article except to align the items accordingly:

- (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) A Council Member shall hold office....
- (c) The Chairman of each Branch of the Institution....

#### 8.9 Article 5.4

The AGM was further informed on the insertion of the numbering items, 5.1 (m) and 5.1 (n) as well as removing the word “and” to the said Article 5.4 as follows:

*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.*

#### 8.10 Article 5.7

**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 Presidents.**

8.11 Article 5.11

Insertion of a new paragraph after the first paragraph as follows:

***For the purpose of this Article, “Officer” means the member of the Council or Executive Committee or the Standing Committee.***

8.12 Article 5.14

The AGM was further informed on the amendments to the following items accordingly:

- 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*

8.13 **ARTICLE X INTERPRETATION**Article 10.9

The AGM further noted the change of name on the membership grade for Companion as well as the insertion of the four (4) new grades as follows:

“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.

In conclusion, Ir. Lai Sze Ching informed the AGM that there were no major amendments as it was mainly on ensuring that the changes were consistent amongst the articles especially on renaming the membership grade of Companion to Senior Graduate Member and inserting the four (4) new membership grades.

The President then re-assured the AGM that after approval by the AGM, the proposed amendments would also be sent for the general balloting where a majority vote of 2/3 of the votes in favour was required for the approval to the amendments of the above-mentioned articles.

8.14 **Questions Session – Amendments to the Constitution**

The President then invited questions from the members on the amendments before proceeding with the voting process.

8.14.1 Ir. Gunasagaran Kristnan (F08216) commented that amending the Articles 2.2, 2.5 and 2.14 and referring to Article 4.1, he felt that the word “.....a Non-corporate Member in any grade.....” was contradicting. He further commented that there were altogether thirteen (13) membership grades but only nine (9) membership grades could apply for non-corporate membership.

Ir. Lai Sze Ching (F04687) explained that there were no amendments made to Article 4.1 as it was the existing Article. It was noted that only the entrance fees were inserted. He further suggested that should Ir. Gunasagaran Kristnan wish to comment further on the said Article, he could raise this issue at the next round of amendments to the IEM Constitution. The President further reiterated that these amendments had been previously approved by Council.

8.14.2 Ir. Cader Mohideen Mohamed Aboobucker (M13942) was invited to pose his questions to the AGM as follows:

8.14.2.1 *i) Why was there a need to amend the Constitution?*

The President explained that the amendments were done as IEM wish to include a few new categories of membership as well as to finetune some of the earlier articles for clarity.

8.14.2.2 *ii) With the introduction of the four (4) new membership grades, there was a need for IEM to market the said membership grades and look into providing benefits for these group of members.*

Ir. Cader Mohideen Mohamed Aboobucker (M13942) commented that other Institutions were also catering to the needs of these groups and suggested that IEM could cooperate with other institution rather than having these groups of members to join IEM.

The President further explained that three (3) Institutions which had such grades were the Malaysia Board of Technology (MBOT), Malaysia Society for Engineering and Technology (MySet) and IEM. The AGM was informed that IEM chose to introduce these new membership grades so as to be more inclusive. Moreover, IEM is currently

looking into providing a pathway for the engineering technologists to be full-ledged engineers. In addition, it was agreed that IEM would need to look ahead as there would be more engineering technologists and technicians graduating in the near future and to have them join IEM would enable IEM to include the whole engineering fraternity.

8.14.2.3 *iii) Grammatical errors in the Articles that needed to be corrected*

The President agreed that the errors would be corrected before submitting to the ROS.

8.14.2.4 *iv) Titles should be given to Members only and not other membership grades*

*v) The abbreviations should be without the full stop for example; Senior Member SMiEM and not S.M.I.E.M as stated in the Constitution*

The President explained that there was no change to the abbreviations which were currently as such in the Constitution. Should Ir. Cader Mohideen Mohamed Aboobucker (M13942) wish to have it amended, he would need to write in to IEM with the suggestion to amend the said article in the Constitution.

Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik's (HF09157) further reiterated President's explanation that the amendments were approved in principle at the last AGM. The main issue was the wordings of which, the last AGM requested the Council and Excomm to look into. This AGM was mainly to accept the wordings and thereafter proceed to vote on the amendments to the Constitution.

The President then further read the question posed by Ir. Cader Mohideen Mohamed Aboobucker (M13942) as follows:

8.14.2.5 *What is the difference between 2.15B and 2.15D?*

The President informed that for 2.15B, they were graduates of engineering technology programmes whereas for 2.15D, they were graduates of engineering diploma programmes.

8.14.2.6 Ir. Dr. Tan Yean Chin (F11712) interjected that since the amendments had been approved in principle at the last AGM and that Council and Excomm had amended accordingly, he suggested that his AGM should proceed with the voting process. He also commented that should any member wish to vote against the amendments, the members were free to do so during the voting exercise.

President also agreed with the suggestion of Ir. Dr. Tan Yean Chin (F11712) to proceed with the voting exercise.

8.14.2.7 However, the AGM noted Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah (HF01691) suggestion that there was a need to look at the command of English or the grammatical errors as earlier pointed out by Ir. Cader Mohideen Mohamed Aboobucker (M13942). The AGM noted the typo error for Article 4.1 (b) (ii) (i) as it should be "... *who has been a Associate Member...*".

The AGM noted that this would be rectified before the amendments were sent out for balloting later.

The AGM was then guided by the EMCEE on the step-by-step procedure for the e-voting exercise through the members' mobile. It was noted that 25 minutes would be allocated for the voting exercise.

While waiting for the results on the e-voting of the amendments to the Constitution, the President answered to the questions posed by the following members via online:

8.14.2.8 Ir. Gan Ting Wei (M16465) suggested to have online talks to replace the offline talk.

President responded that IEM would continue to arrange more online webinars for the benefit of members. However, he informed that there could be some speakers who might not be comfortable to present via webinars. It was noted that for such cases, IEM would try to seek their consent to have their presentation recorded to be played online thereafter or forward to the Branches for them to arrange the similar presentation but without the speaker being present in person. It was further noted that a Facilitator would be appointed by the Branch to handle the questions and answer session should there be any.

8.14.2.9 Ir. S. Jagathisen (M05107) queried on how can a retired Corporate Members be of service to the Institution. He further informed that he had posed the same question two (2) years ago. However, he did not get any response.

The President informed that retired members could volunteer to serve in the IEM Technical Divisions. Issues concerning technical matters or IEM's representation to outside organisations would be referred to the relevant Technical Divisions for their input. In addition, retired members could also volunteer to present talks on their areas of expertise for the benefit of other members especially the young engineers. This could be done if they were serving in the Technical Divisions.

## 8.14.2.10 Ling Yang Ming (M78075)

*Will IEM consider conducting Seminar on virtual meeting post MCO? I think it is recommended and innovative options to continue; also please consider to have an IEM App for better services.*

The President responded that IEM's Technical Divisions were in the midst of planning for some seminars to be organised virtually and members would be notified accordingly once finalised. In addition, IEM had been working on the IEM Mobile App prior to the MCO and discussions were on-going with the vendor. The President further informed that more information concerning the IEM Mobile App would be presented in the incoming President's Presidential Address.

## 8.14.2.11 Mohd Khairul Anwar bin Mohd Hatta (M102455)

*Looking at post COVID-19 economy landscape. What are the key strategies that need to be adopted by engineering/construction companies to remain competitive in ever evolving and challenging market?*

The President responded that engineers were versatile and it would up to them to decide what would be best for them in such trying times.

## 8.14.2.12 Chan Khung Leong (G22094)

*May I add my "Ts. and P.Tech (Professional Technologist) by Malaysia Board of Technologists title to the IEM directory? Thanks.*

The President informed that members could write in to IEM HQ and provide the necessary documentation as proof to add the title "Ts" into IEM's database.

## 8.14.2.13 Ooi Zi Xun (M45549)

*What are IEM contributions / proposals to government on MCO recovery for engineering consultancy practice and construction industry?*

The President informed that this issue had been presented by the Honorary Secretary in his presentation.

## 8.14.2.14 Hazlee Azil Illias (M52562)

*The vision of IEM is "The Institution of Engineers, Malaysia aims to be the premier professional organisation pivotal to Malaysia achieving Vision 2020." However, now it is already 2020. IEM should review itself to see whether it has achieved its vision or not.*

The President responded that for the new Session 2020/2021, IEM would be reviewing its Strategic Plan on whether it has achieved this mission.

He further explained that IEM had not now moved on to a new Vision as depicted on page 3 of the Annual Report that is "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".

## 8.14.2.15 Ho Choon Kwang William (M17178)

*i) How would the voting system be like for members attending virtually?*

The President informed that as indicated in the email blasts to members, an SMS would be sent to all members attending the AGM. A link would be provided for the members to be directed to the IEM website "member log-in" page for the members to log-in to vote. A pass code would also be provided in the SMS. The members would need to key in the pass code and then proceed to vote.

*ii) Is there any CPD awarded for full attendance?*

The CPD for attendance of the AGM virtually is 2.

*iii) What about the annual dinner?*

The President responded that in view of the COVID-19 pandemic, the IEM Annual Dinner for 2020 had to be cancelled.

## 8.14.2.16 The President then further read out the additional question received from a member on the amendments to the Branch Rules. The President informed that the amendments to the Branch Rules had been rectified and would be forwarded to the respective Branch.

- 8.14.2.17 Ir. Cader Mohideen Mohamed Aboobucker (M13942) also commented on the Mission and Vision statement. He further commented that the statement was very general and queried on how would the Standing Committees interpret the mission and objective to make progress.

President explained that the incoming President would be forming a Committee to look into enhancing and improving the Strategic Plan of the Institution.

The results from the e-voting was tabulated and presented as follows:

Article	In Favour	Not In Favour	Abstain
2.2	74.09%	20.73%	5.18%
2.5	72.54%	21.76%	5.70%
2.14	74.09%	21.24%	4.66%
4.1	77.72%	17.10%	5.18%
4.2.1	70.98%	23.32%	5.70%
4.4	86.01%	9.84%	4.15%
5.1	72.54%	20.21%	7.25%
5.2	80.31%	12.44%	7.25%
5.4	78.24%	11.92%	9.84%
5.7	74.61%	17.10%	8.29%
5.11	82.38%	11.92%	5.70%
5.14	71.50%	20.73%	7.77%
10.9	73.06%	18.13%	8.81%

As the results indicated that generally more than 70% had voted in favour of the amendments, it was concluded that the amendments were approved by the AGM. The President then informed the AGM that another round of the balloting would be conducted after the AGM to all the Corporate members in order to comply with the requirement of IEM's Constitution before the amendments can be submitted to the ROS.

The President thanked the members for voting favourably on the amendments.

## 9.0 ANNOUNCEMENT OF THE ELECTION RESULTS FOR COUNCIL 2020/2021 SESSION

The President then invited the Election Officer, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah to announce the results of the election for the session 2020/2021. Prior to announcing the election results, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah requested the AGM to observe a one minute silence in remembrance of the late Y.Bhg. Dato' Pang Leong Hoon who passed away in July 2019.

Upon completion of the one minute silence, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah went on to pay tribute to the late Y.Bhg. Dato' Pang Leong Hoon who was first appointed as Election Officer for the 1994/95 Council elections and had served for the last 25 sessions which made up 40% of the IEM's 61 years' history.

The presentation of the Election results by the late Dato' Ir. Pang Leong Hoon had always been one segment of the AGM which all members enjoyed and he will be deeply missed.

### 9.1 President

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah informed the AGM that Ir. Ong Ching Loon, the President-elect would take over the Presidency from Ir. David Lai Kong Phooi in accordance with Section 5.2 of the IEM Bylaws.

### 9.2 Deputy President

The Election Officer informed the AGM that nomination for the post of Deputy President was closed on 31 October 2019 and six (6) valid nominations were received. Subsequent to that, ballot papers were sent out to all Council Members on 8 November 2019 and the balloting was closed on 21 December 2019.

The AGM was informed that Ir. Prof. Dr. Norlida binti Buniyamin received the highest votes and was elected as the Deputy President of the Institution in accordance with Bylaws Section 5.3.

### 9.3 Council Vacancies for Session 2020/2021

The Election Officer further informed the AGM on the various Council vacancies as follows:

- Vice President with 3 vacancies for 2 sessions
- Hon Secretary with 1 vacancy for 1 session
- Hon Treasurer with 1 vacancy for 1 session

Council Members

- Civil Rep with 1 vacancy for 3 sessions
- Electrical Rep with 1 vacancy for 3 sessions
- Mechanical Rep with 1 vacancy for 3 sessions
- Structural Rep with 1 vacancy for 3 sessions
- Multimedia Rep with 1 vacancy for 3 sessions

Council Member – Ordinary Representative

- 6 vacancies for 3 sessions

9.4. **Vice Presidents, Hon Secretary, Hon Treasurer and Others**

The Election Officer then informed the AGM on the following offices which did not require balloting as there was only one candidate:

9.4.1 **Office of Honorary Treasurer (One (1) vacancy for session 2020/2021)**

Ir. Chen Harn Shean was duly elected unopposed to the office of Honorary Treasurer for one (1) Session 2020/2021.

9.4.2 **Office of Council Member – Civil Representative (One (1) vacancy for 3 sessions, 2020/2021, 2021/2022, 2022/2023)**

Ir. Yap Soon Hoe was duly elected unopposed to the office of Council Member - Civil Representative for three (3) Sessions for 2020/2021, 2021/2022, 2022/2023.

9.4.3 **Office of Council Member – Electrical Representative (One (1) vacancy for 3 sessions, 2020/2021, 2021/2022, 2022/2023)**

The Election Office informed AGM that there was no nomination received for the Office of Council Member - Electrical Representative. In view of this, under Bylaws Section 5.11, Council at its 420<sup>th</sup> Meeting decided to nominate the following Member:

**Ir. Francis Xavier Jacob as the Electrical Representative.**

9.4.4 **Office of Council Member – Multimedia Representative (One (1) vacancy for 3 sessions, 2020/2021, 2021/2022, 2022/2023)**

Ir. Jeewa a/l Vengadasalam duly elected unopposed to the office of Council Member – Multimedia Representative for three (3) Sessions for 2020/2021, 2021/2022, 2022/2023.

9.4.5 The Election Officer then informed AGM that the following Offices required balloting:

- a. *Vice President – 7 candidates*
- b. *Hon Secretary – 2 candidates*
- c. *Council Member – Structural Representative – 2 candidates*
- d. *Council Member – Mechanical Representative – 2 candidates*
- e. *Council Members – Ordinary Representative – 13 candidates*

It was noted that the total number of Ballot papers mailed out was 12,033. The total number of ballot papers received was 1,657 compared to 1,711 in 2019. The counting of the Ballot was conducted on 16 June 2020 at 10.20 am at Wisma IEM and was completed at 1.15 pm.

9.4.6 **Office of Vice President (Three (3) vacancies for 2 sessions 2020/2021 and 2021/2022)**

The following three (3) candidates with the highest number of votes were duly elected to the office of Vice President for the sessions 2020/2021 and 2021/2022.

- i) *Ir. Prof. Dr. Leong Wai Yie*
- ii) *Ir. Mohd Khir bin Muhammad*
- iii) *Ir. Dr. Ruslan bin Hassan*

9.4.7 **Office of Honorary Secretary (One (1) vacancy for session 2020/2021)**

There were two (2) nominations received for the one (1) vacancy. The candidate, Ir. Dr. David Chuah Joon Huang received the higher number of votes and was duly elected to the office of Honorary Secretary for the session 2020/2021.

9.4.8 **Office of Council Member – Structural Representative (One (1) vacancy for 3 sessions, 2020/2021, 2021/2022, 2022/2023)**

The AGM was informed that there were two (2) nominations received for the one (1) vacancy.

The candidate, Ir. Gunasagaran a/l Kristnan received the higher number of votes and was duly elected to the office Council Member - Structural Representative for the session 2020/2021, 2021/2022, 2022/2023.

9.4.9 **Office of Council Member – Mechanical Representative (One (1) vacancy for 3 sessions, 2020/2021, 2021/2022, 2022/2023)**

The AGM was informed that there were two (2) nominations received for the one (1) vacancy. The candidate, Ir. Dr. Aidil bin Chee Tahir received the higher number of votes and was duly elected to the office Council Member - Mechanical Representative for the session 2020/2021, 2021/2022, 2022/2023.

9.4.10 **Office of Council Member – Ordinary Representative (Six (6) vacancies for 3 sessions, 2020/2021, 2021/2022 and 2022/2023)**

The Election Officer proceeded to report that there were thirteen (13) nominations received and the following six (6) candidates with the highest number of votes were duly elected to the Office of Council Member – Ordinary Representative six (6) vacancies for 3 sessions, 2020/2021, 2021/2022 and 2022/2023):

1. Ir. Dr. Chan Swee Huat
2. Ir. Ellias bin Saidin
3. Ir. Mohd Khir bin Muhammad
4. Dato' Ir. Hj. Anuar bin Yahya
5. Ir. Dr. Teo Fan Yenn
6. Dato' Ir. Prof. Dr. Jeffrey Chiang Choong Luin

The Election Officer then congratulated all the successful candidates.

9.4.11 The AGM was further informed that the Election exercise covered a period of five and half months. The total cost was RM40,511.05 (*balloting document and postage*) excluding the IEM staff cost.

The Election Officer suggested that IEM would be able to save cost should the election process be done via a virtual platform or e-balloting.

9.4.12 The Election Officer then thanked the Scrutineers, Ir. Prof. Dr. Zainal Abidin bin Ahmad, Ir. Prof. Ishak bin Abdul Rahman, Ir. Dr. Siti Hawa Hamzah, Ir. Hj. Mohamed Ali bin Yusoff and Ir. Mohd Aman bin Hj. Idris for their valuable assistance and support and also thanked the Secretariat for their full cooperation as well as the Council for their support.

The President thanked Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah for his services and support for conducting the election process.

## 10.0 RETIRING COUNCIL MEMBERS

10.1 The Emcee then proceeded to read out the names of the Council members who would be retiring for the session.

President then presented tokens of appreciation to the retiring Council Members who were retiring from office for the 2019/2020 and who not be re-elected to Council in other positions:

1. Ir. Dr. Tan Yean Chin
2. Ir. Dr. Lee Yun Fook
3. Ir. Fam Yew Hin
4. Ir. Dr. Ng Soon Ching
5. Ir. Lim Kim Ten
6. Ir. Yau Chau Fong
7. Dato' Ir. Foong Choy Chye
8. Dato' Ir. (Dr.) Andy Seo Kian Haw
9. Ir. Teo Ki Yuee
10. Ir. Sreedaran Raman
11. Ir. Abrizan bin Abdul Kadir

10.2 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. Choo Kok Beng
2. Ir. Razmahwata Mohd Razalli
3. Ir. Abdul Razak Yaakob
4. Ir. Shahrudin bin Mohd Simin
5. Ir. Hj. Omar bin Mat Piah
6. Ir. James Yong Hon Min
7. Ir. Lau Kieng Hong

#### 11.0 HANDOVER OF CHAIN OF OFFICE

The Emcee then invited the President and Incoming President to stage for handover of chain of office. The new President, Ir. Ong Ching Loon then presented a token of appreciation to the outgoing President, Ir. David Lai Kong Phooi.

#### 12.0 PAST PRESIDENTS

The new President then informed that Council had invited the following Past Presidents to serve and they have all consented and accepted the invitation. The Past Presidents who had accepted the invitation were:

Y.Bhg. Academician Tan Sri Datuk Ir. Ahmad Zaidee bin Laidin  
 Y.Bhg. Dato' Ir. Dr. Gue See Sew  
 Y.Bhg. Dato' Paduka Ir. Hj. Keizrul bin Abdullah  
 Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik  
 Y.Bhg. Dato' Ir. Lim Chow Hock

#### 13.0 ELECTION OF HONORARY INTERNAL AUDITORS

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).

The members were advised to click on the RAISE HAND icon should they wish to nominate any one.

Ir. Gunasagaran a/l Kristnan (F08216) proposed Ir. Sreedaran Raman (M38681) as the first internal Auditor and the motion was seconded by Ir. Ting Chek Choon.

Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik proposed Ir. Yau Chau Fong and as the second internal Auditor and the motion was seconded by Ir. Dr. Tan Chee Fai.

Ir. Simon Yeong Chin Chow (F18660) proposed the nomination to be closed and the motion was seconded by Ir. Bhuvendhraa Rudrusamy (F26383).

As there were only two candidates, therefore the two Honorary Internal Auditors elected for session 2020/2021 would be:

Ir. Sreedaran a/l Raman  
 Ir. Yau Chau Fong

#### 14.0 APPOINTMENT OF EXTERNAL AUDITORS

The President requested the approval to appoint CH International as the new External Auditor for 2020/2021 Session. The background information of CH International was presented for AGM's information. The AGM approved the appointment.

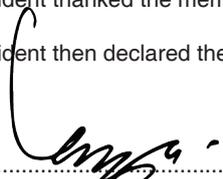
#### 15.0 PRESIDENTIAL ADDRESS FOR THE SESSION 2020/2021

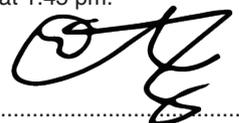
The Emcee then invited the President to present the Presidential Address 2020 entitled "Augmenting IEM".

#### 16.0 ADJOURNMENT OF 61<sup>st</sup> ANNUAL GENERAL MEETING 2020

The President thanked the members who attended the AGM physically as well as virtual.

The President then declared the 61<sup>st</sup> Annual General Meeting adjourned at 1.45 pm.

  
 Ir. Ong Ching Loon  
 Yang Di Pertua

  
 Ir. Dr. David Chuah Joon Huang  
 Setiausaha Kehormat

## ANNUAL GENERAL MEETING ATTENDANCE LIST

### Senarai Ahli Yang Hadir ke Mesyuarat Agung Tahunan

No.	Name	Membership No.
<b>HONORARY FELLOW</b>		
1	Academician Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee bin Laidin	01019
2	Ir. Chen Kim Kieong	05128
3	Mr. Choo Kok Beng	02828
4	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik	09157
5	Dato' Ir. Dr. Gue See Sew	03975
6	Dato' Paduka Ir. Hj. Prof. (Dr.) Keizrul Abdullah @ Lim Teik Keat	01691
7	Dato' Ir. Lim Chow Hock	02531
8	Ir. Dr. Ooi Teik Aun	01249
9	Y.Bhg. Datuk Ir. Prof. Dr. Ow Chee Sheng	05738
<b>FELLOW</b>		
10	Ir. Abdul Razak bin Yakob	59192
11	Ir. Abrizan bin Abdul Kadir	18175
12	Dato' Ir. Dr. Ahmad Anuar bin Othman	13148
13	Ir. Ahmad Kamal bin Kunji	02829
14	Dato' Ir. Ahmad Murad bin Omar	04741
15	Ir. Ahmad Rafidi bin Mohayiddin	22228
16	Ir. Bernard Lim Kee Weng	18809
17	Ir. C. Kamalesen a/l Chandrasekaran	21526
18	Ir. Chen Harn Shean	23894
19	Ir. Chew Ah Fah	14690
20	Ir. Chew Kin Ping, Lawrence	15794
21	Ir. Prof. Dr. Chiang Choong Luin	20286
22	Ir. Chiew Kim Hua, Christopher	03814
23	Ir. Chong Chi Koong	18794
24	Ir. Chong Sun Fatt	04977
25	Ir. Choo Chee Ming	23927
26	Ir. Dr Chuah Joon Huang	57551
27	Ir. Elias Bin Saidin	10100
28	Ir. Fam Yew Hin	20926
29	Dato' Ir. Foong Choy Chye	03799
30	Ir. Goh Say Keong	10105
31	Ir. Goh Soon Boon	06751
32	Ir. Gopal Narian Kutty	11291
33	Ir. Gunasagaran a/l Kristnan	08216
34	Ir. Haidel Heli	22455
35	Ir. Han Seng Kong	13421
36	Ir. Heng Lee Sun	26486
37	Dato' Pahlawan Ir. Jasan Ahpandi Bin Sulaiman	13588
38	Ir. Jeewa a/l Vengadasalam	05986
39	Ir. Khoo Chee Min	19556
40	Ir. Kim Kek Seong	18825
41	Ir. Lai Kong Phooi	09917
42	Ir. Lai Sze Ching	04687
43	Ir. Lee Boon Chong	08092
44	Ir. Lee Meng Chiat	11358
45	Ir. Dr. Lee Tin Sin	27985
46	Ir. Dr. Lee Yun Fook	38707
47	Ir. Prof. Dr. Leong Wai Yie	60691
48	Ir. Lock Chin Pong	05036
49	Ir. Looi Hip Peu	02625
50	Ir. Ms. Magdalene Tan Lee	02102
51	Dr. Md. Azlin bin Md. Said	14357
52	Ir. Hj. Mohamed Ali bin Yusoff	01974
53	Ir. Mohd Khir bin Muhammad	18791

No.	Name	Membership No.
54	Ir. Hj. Mohd Radzi bin Salleh	20112
55	Ir. Hj. Mohd. Aman bin Haji Idris	02176
56	Ir. Mohmad Asari bin Daud	18360
57	Ir. Ng Kok Peng	03745
58	Ir. Ng Sin Chie	06697
59	Ir. Dr. Ngui Min Fui @ Tom	18037
60	Ir. Prof. Dr. Norlida binti Buniamin	13746
61	Ir. Dr. Oh Seong Por	28476
62	Ir. Ong Ching Loon	11938
63	Ir. Ooi Boon Bow	01947
64	Ir. Ooi Kah Huat	03899
65	Ir. Qua Kiat Seng	03813
66	Ir. Razmahwata bin Mohamad Razalli	17029
67	Ir. Prof. Dr. Ruslan bin Hassan	03541
68	Dato' Dr. Ir. Seo Kian Haw	13276
69	Ir. Dr. Shahruddin bin Muslimin	03375
70	Ir. Shamuri bin Amat Waridi	02581
71	Ir. Sharifah Azlina binti Raja Kamal Pasmah	13151
72	Ir. Sim Hui Kheng	19167
73	Ir. Sivalingam a/l Veluppillai	09546
74	Ir. Sundraraj a/l A. Krishnasamy	07933
75	Ir. Dr. Tan Chee Fai	18343
76	Dato' Ir. Tan Kim Kuan	02644
77	Dr. Tan Kuang Leong	13221
78	Ir. Dr. Tan Yean Chin	11712
79	Ir. Tang Chok Khing	07369
80	Ir. Dr. Teo Fang Yenn	26373
81	Ir. Teo Ki Yuee	05701
82	Ir. Ting Chek Choon	24754
83	Ir. Ting Kang Ngii	11795
84	Ir. Tiong Choong Han	20890
85	Ir. Tiong Ngo Pu	07252
86	Ir. Dr. Wang Hong Kok	02364
87	Ir. Wee Kim Siang	02659
88	Ir. Yam Teong Sian	05613
89	Ir. Yap Kok Ming	03711
90	Ir. Yap Soon Hoe	04086
91	Ir. Yau Ann Nian	15421
92	Ir. Yau Chau Fong	20215
93	Ir. Yeong Chin Chow	18660
94	Ir. Yim Hon Wa	08247
95	Ir. Yong Hon Min, James	04893
96	Ir. Yong Kee Chiang	01922
97	Dato' Seri Ir. Dr. Zaini bin Ujang	25402
98	Ir. Zulkifly bin Madon	05132
<b>SENIOR MEMBER</b>		
99	Ir. Azharudin bin Mukhtaruddin	29054
100	Ir. Azizul Azuan bin Sahrum @ Md. Daud	17629
101	Ir. Dr. Lee Choo Yong	29738
102	Ir. Liew Leong Ting	13275
103	Ir. Mau Kwong Ching @ Moo Kwang Ching	02014
104	Ir. Rajakumar a/l A. Gopal	17417
105	Ir. Tham Kim Swee	14468
<b>MEMBER</b>		
106	Ir. Abdul Hannan bin Ashaari	16523
107	Prof. Madya Ir. Dr. Abdul Talib bin Din	16638
108	Ir. Abdul Wahid bin Paijo	18631

No.	Name	Membership No.
109	Ir. Abdullah bin Ismail	07446
110	Mr. Abdullah Zawawi bin Haji Mohd. Noor	07661
111	Ir. Addnan bin Mohd Razali	09388
112	Ir. Adnan bin Ghazali	07498
113	Ir. Ahmad bin Ramli	24708
114	Ir. Ahmad Danial Ridwan bin Mohamad Bolhair	90301
115	Ir. Ahmad Rashidi bin Zainudin @ Nordin	15540
116	Ir. Ahmad Roslan bin Bakar	11056
117	Mr. Ahmad Saifuddin Abdul	87604
118	Ir. Dr. Aidil bin Chee Tahir	22249
119	Ir. Alfred Ritikos	06151
120	Mr. Ali Rahman bin Junaidi	22563
121	Ir. Al-Khairi bin Mohd Daud	14670
122	Ir. Amir Soffian bin Abdul Razak	13371
123	Mr. Ang Chin Wei	36742
124	Mr. Ang Huat Poh	41401
125	Ir. Ang Lee Huat	03016
126	Ir. Anil Ramachandren	04309
127	Dato' Kapt. (B) Ir. Haji Anuar bin Yahya	16894
128	Mr. Apparao a/l Subramanayan	50164
129	Mr. Atif bin Mohamad Johari	76192
130	Mr. Azman bin Yahya	49453
131	Ir. Azrol bin Jailani	28618
132	Ms. Bee Soo Tueen	23710
133	Mr. Bek Pan Chin	21834
134	Mr. Bobby Anak Anyan	19041
135	Ir. Cader Mohideen Mohamed Aboobucker	13942
136	Ir. Chai Ko Het	08223
137	Ir. Chai Seong Wai	26918
138	Ir. Chai Tzer Luen	21715
139	Ir. Chai Yoke Fong	102024
140	Mr. Chan Hoe Cheong	29066
141	Mr. Chan Huan Ong	23653
142	Mr. Chan Hwan Wee	20531
143	Ir. Chan Kah Hoe	06867
144	Mr. Chan Kwok Kwang	34159
145	Ir. Chan Sin Sang	04750
146	Ir. Chan Soo Chai	15647
147	Ir. Dr. Chan Swee Huat	16205
148	Mr. Chan Wah Cheong	15699
149	Mr. Chan Yee Yan	18526
150	Ms. Chan Yin Har	49407
151	Ir. Chan Yong Soon	29562
152	Ir. Chang Chew Leong	15783
153	Ir. Dr. Chang Chun Kiat	23422
154	Mr. Chang Toong Woh	17503
155	Mr. Cheah Chin Seng	19708
156	Mr. Cheah Peng Leong, Frankie	29166
157	Ir. Cheah Seuk Poh	03534
158	Ir. Cheang Seit Keong	22717
159	Mr. Chee Fah Vui	26926
160	Mr. Chee Weng Yan	24460
161	Ir. Chen Fun Chien	25407
162	Mr. Chen Sin Khong	13813
163	Ir. Chen Yong Chin @ Chen Yung Ching	03438
164	Ir. Cheng Bing, Daniel	13414
165	Mr. Cheng Chin Chuan	21201
166	Ir. Cheng Fun Siow	04542
167	Mr. Cheng Kam Hon	28830
168	Ir. Ms. Cheng Pei Ling	17955
169	Mr. Cheo Yuan Ping	21137

No.	Name	Membership No.
170	Mr. Cheong Kok Sang	14885
171	Ir. Cheong Taik Weng, Alwie	15733
172	Ir. Cheong Tee Jin	71687
173	Ir. Cheong Yoon Kwan	15455
174	Mr. Chew Chong Way	08870
175	Ir. Chew Gim Cheng	02911
176	Mr. Chew Han Nie	49239
177	Mr. Chew Kay Aik	53824
178	Ir. Chew Leak Yan	16406
179	Ir. Chew Yook Boo	03746
180	Mr. Chia Ban Ching	46741
181	Ir. Chia Chee Weng	46825
182	Ms. Chia Yun Lee	20069
183	Ir. Ts. Chieng Lee Feng	43855
184	Mr. Chiew June Loi	23420
185	Mr. Chiew Sing Huat	18229
186	Mr. Chin Bin	41133
187	Mr. Chin Chee Kwong	23486
188	Mr. Chin Chee Wee	18369
189	Mr. Chin Hooi Pung	17426
190	Mr. Chin Jun Hock, Victor	01475
191	Ir. Chin Min Fong, Cornelius	79381
192	Mr. Chin Nyuk Jyi	32881
193	Mr. Chin Tet Fu @ Willy	20404
194	Mr. Chin Woon Kheong	60045
195	Mr. Chin Yee Loong	64694
196	Mr. Chin Yuen Yu, Desmond	22088
197	Ms. Ch'ng Huey Khim	38592
198	Mr. Choi Yet You	20385
199	Mr. Chong Chai Thiam	49218
200	Ir. Chong Chau Vun	07190
201	Ir. Chong Che Siang	17060
202	Ir. Chong Chee Yen	18782
203	Ir. Chong Chew Fan	25416
204	Ms. Chong Ing Ing	20965
205	Mr. Chong Kian Wei	35768
206	Mr. Chong Kon Wah	26392
207	Ir. Chong Kwet Hin	04071
208	Ir. Chong Tjun Yie	52531
209	Ir. Chong Tzih Sen	07859
210	Mr. Chong Woei Tding	44518
211	Ms. Choo Lay Guat	21449
212	Mr. Choo Mun Fei	56562
213	Ir. Choong Foong Heng	11822
214	Ir. Choong Kah Chun	20532
215	Mr. Choong Kean Wui	28036
216	Mr. Choong Pak Lim	64594
217	Ir. Choot Teck Aun	17387
218	Mr. Chow Soon Lee	27906
219	Mr. Choy Kim Loong	20202
220	Ir. Chua Goeh Kin	19175
221	Ir. Chua Long Siew	15502
222	Ir. Chuah Cheng Hoe	07861
223	Ir. Chung Chi Yung	22722
224	Mr. Chung Jia Jiunn	41527
225	Ir. Chung Soon Sin, Jason	16579
226	Dr. Eliza binti Hj. M. Yusup	112363
227	Dr. Eow John Son	23840
228	Dr. Ewe Hong Tat	16329
229	Mr. Fan Chun Yee	18703
230	Ir. Fauzul Azam bin Aziz	42606

No.	Name	Membership No.
231	Ir. Fong Chong Yit	25644
232	Ir. Fong Choon Fuoi	16969
233	Ir. Foo Kai Jaan	22304
234	Mr. Foo Kam Fai	20060
235	Ir. Foo Yu Hwa	03659
236	Ms. Foo Zhi Sien	54090
237	Ir. Francis Xavier Jacob	09765
238	Ir. Fred Devakumar a/l Stephen Navaratnam	04758
239	Ms. Fung Wen Yin	24082
240	Mr. Gan Giaw Peck	19107
241	Ir. Gan Kin Choon	08897
242	Ir. Gan Tian Eng	04904
243	Ir. Gan Ting Wei	16465
244	Ir. Ghanaseharan a/l Muniandy	09493
245	Mr. Gin Teang Wah	13957
246	Ir. Gnana Sakaran a/l Rajagopal	15451
247	Ir. Goh Boon Sai	04517
248	Dr. Goh Chien Chung	18081
249	Mr. Goh Chun Wooi	23747
250	Ir. Goh Jit Sen	16304
251	Mr. Goh Joon Sai	22384
252	Ir. Goh Sheng Pun	18185
253	Mr. Goh Wei Hong	81469
254	Ir. Gunn Kean Su, Philip	15573
255	Mr. Han Chee Keong	21184
256	Ir. Dr. Han Khee Kwong	12711
257	Ir. Han King Guan	07866
258	Ir. Hardi bin Dolah	51635
259	Ir. Haren a/l Seganathirajah	10632
260	Ir. Harry Harris Marsoh	09683
261	Ir. Harzah Masni binti Ramli	46807
262	Ir. Heng Aik Chau	12603
263	Mr. Heng Boon Kee	16295
264	Senator Dato' Ir. Hiang A Li	07334
265	Ir. Hii Ee Sing, Michael	04192
266	Mr. Hii Wee Sian	102030
267	Mr. Ho Chee Ming	49439
268	Ir. Ho Choon Kwang	17178
269	Ir. Ho Oi Quet	02246
270	Ir. Ho Pooi Kwan	29743
271	Ir. Ho Wan Li	21899
272	Dr. Hong Kai Sze	50194
273	Mr. Hong Wai Onn	52316
274	Ir. Hor Kok Luen	60074
275	Mr. Hor Yuen Kwan	17680
276	Ir. Ismail bin Abdullah	18041
277	Ir. Jagathisen a/l Siva Perumal	05107
278	Ir. Jagjeet Singh Sidhu a/l Charan Singh	07146
279	Ir. Jasvinder Singh	12812
280	Ir. Jeyapalan Selvadurai	04051
281	Ir. Jong Sie Ping, Lucia	23933
282	Mr. Kamalendran a/l N. Rajasvaran	22641
283	Mr. Kamarul Azlan bin Md. Bukhri	24776
284	Ir. Karthigeyan a/l Nallasamy	18698
285	Mr. Kathiravun a/l Muthaiah	50066
286	Ir. Kenneth Yeoh Tiong Kim	21663
287	Ir. Khairul Azlan bin Wan Chik	95930
288	Mr. Khairul Azmi bin Zamri	66780
289	Mr. Khaw Yao Shun	86891
290	Mr. Kho Kang Wei	71670
291	Mr. Khong Tuck Soon	17053

No.	Name	Membership No.
292	Dr. Khoo Chun Yong	77573
293	Ir. Khor Kong Chong	13301
294	Mr. Kiu Kwong Lieng	29200
295	Ir. Koh Fong Chong	16620
296	Ms. Koh Ju Ann	85955
297	Ir. Koh Siong Lee	18282
298	Mr. Koh You Zhen	29370
299	Mr. Kok Vui Tek	45255
300	Ir. Kok Yen Kwan	22574
301	Ir. Kon Chau Hwa	05026
302	Ir. Kong Siau Shung, Gordon	20119
303	Mr. Kong Sin Kooi	08312
304	Ir. Kong Suet Yee, Erica	07161
305	Ir. Kor Fong Yong	03877
306	Mr. Ku Ming Fen	54385
307	Ir. Ku Ping Hee	09180
308	Ir. Ms. Kua Suan Tien	17331
309	Ir. Kuak Chai Weng	28915
310	Mr. Kuan Jew Xun	44029
311	Ir. Kueh Lak Tee	11023
312	Mr. Kueh Meng Yaw	21338
313	Mr. Kueh Ming Chee	23235
314	Dr. Kumeresan a/l Danapalasingam	54560
315	Ir. Kunaseelan Packianathan	02157
316	Mr. Kwong Kar Kitt	41232
317	Ir. Lai Ah Kiaw	06434
318	Ir. Dr. Lai Khin Wee	54322
319	Ms. Lai Li Ling	93519
320	Ms. Lai Lih Ying	26388
321	Ir. Dr. Lai Mun Kou	66812
322	Mr. Lai Yew Hong	27505
323	Mr. Lam Wei Haur	54113
324	Ir. Lau Chee Khin	02162
325	Ir. Lau Eng Kee	21721
326	Ir. Lau Han Hiong, Simon	09504
327	Ir. Dr. Lau Hieng Ho	18741
328	Ir. Lau Hin Huat	105547
329	Ir. Lau How Siong	13960
330	Mr. Lau Hui Leong	29697
331	Mr. Lau Sheng Rong, Jeffrey	26422
332	Ir. Lau Tai Onn	03704
333	Ir. Lau Yeo Shin	57094
334	Ir. Law Soon Guan	62055
335	Ms. Lee Bee Ean	17681
336	Ir. Lee Derk Chyuan	100748
337	Mr. Lee Ghim Peng	21921
338	Ir. Lee Han Chee	12016
339	Mr. Lee Hong Siang	43358
340	Mr. Lee Jen Shiong	25659
341	Ir. Lee Kean Yew	30983
342	Ir. Lee Koi Chin	05617
343	Mr. Lee Le Qin	29879
344	Ms. Lee Li Keat	20799
345	Mr. Lee Loi Kong	26909
346	Ir. Lee Mun Fatt	05443
347	Ir. Lee Mun Poh	08600
348	Ir. Dr. Lee Siong Hoong	24919
349	Mr. Lee Sun Chai	100755
350	Ir. Lee Teck Lii	26337
351	Ir. Lee Tuck Choy	08001
352	Ir. Lee Wah	17305

No.	Name	Membership No.
353	Ir. Lee Wee Chu	06369
354	Mr. Lee Wei Thiam	22258
355	Mr. Lee Yew Hoong	20168
356	Ir. Leong Chee Choy	19043
357	Ir. Leong Chee Onn	10073
358	Ir. Leong Chee Tuck	09665
359	Ir. Leong Cheng Thim	03052
360	Mr. Leong Chong Yi	66827
361	Mr. Leong Kah Hau	20857
362	Dr. Leong Kah Hon	105663
363	Ir. Leong Lai Ying	37015
364	Mr. Leong Wen Kam	84927
365	Ms. Leow Jia Hui	29191
366	Ir. Li Thang Fai	15803
367	Ir. Lian Hin Seong	99503
368	Mr. Liew Chee Seong	21265
369	Mr. Liew Chia Hou	52339
370	Ir. Liew Fook Kiew, Frankie	04677
371	Ir. Liew Khee Leong @ Lam Khee Leong	14505
372	Ir. Liew Kian Chui	09849
373	Mr. Liew Pik Lee	25100
374	Ir. Dr. Liew San Chuin	25519
375	Mr. Liew Siaw Kiat	20706
376	Ir. Liew Thien Lok	14101
377	Mr. Liew Wen Tat	37219
378	Ir. Lim Ah Bah	03263
379	Ir. Lim Beng Seng	12953
380	Mr. Lim Boon Lin, Colin	36774
381	Ir. Lim Boon Peng	03287
382	Mr. Lim Chain Chuan	25664
383	Ir. Lim Chee Hai	06485
384	Mr. Lim Chee Hong	56539
385	Ir. Lim Chee Peng	04530
386	Ir. Lim Cheng Poh	15805
387	Mr. Lim Chew Hin	28829
388	Ir. Lim Chiau Wu	15583
389	Mr. Lim Ching Yaw	48096
390	Ir. Lim Chong Beng, Alan	27294
391	Ir. Lim Ee Chui	17376
392	Ir. Lim Ek Peng	07165
393	Mr. Lim Fang Liang	29681
394	Mr. Lim Fu Yee	43590
395	Ir. Lim Hok Lian	13396
396	Ir. Lim Huan Ping	04578
397	Ir. Ts. Lim Juin Khye	51825
398	Ir. Lim Kein Seng	20165
399	Mr. Lim Kim Ong	32868
400	Ir. Lim Kim Ten	24468
401	Ms. Lim Lea Pieng	20352
402	Ir. Lim Lee Thon	01871
403	Mr. Lim Liang Jin	27654
404	Mr. Lim Sang Hoong	19311
405	Ir. Lim Theam Teng	09786
406	Ir. Lim Tian Lu	12778
407	Ir. Lim Wei Khong	04777
408	Mr. Lim Wei Siong	41233
409	Mr. Lim Yen Siang	34849
410	Ir. Ling Tieng Kooi	24061
411	Mr. Ling Yang Ming	78075
412	Mr. Lit Moon Kai	10235
413	Ir. Lo Haw Ru	23034

No.	Name	Membership No.
414	Mr. Lo Ik Wei	39149
415	Ir. Loh Siaw Kiat	10774
416	Dr. Loh Siu Hong	83290
417	Ir. Loh Sook Ling	43746
418	Ir. Dr. Lohgheswary a/p Nagarethinam	88784
419	Mr. Loi Tuck Chow	18933
420	Mr. Lok Wai Lun @ Reineke Lok	19709
421	Ir. Loo Chee Kin	15863
422	Ir. Loo Moon Whai	02274
423	Ir. Low Beng Hwa	16450
424	Mr. Low Seong Chuan	21395
425	Mr. Low Ting Kang	26425
426	Ir. Lue Leong Shen, Henry	25443
427	Ir. Mah Siew Kien	66450
428	Ir. Mah Way Sheng	30694
429	Mr. Mak Guo Shao	111546
430	Ir. Mej. (B) Michael Chan	03276
431	Mr. Michael Koay	25517
432	Mr. Mithrendra Maniam	27628
433	Mr. Mohamad Ali Ahmad	72599
434	Ir. Mohamad Firdaus bin Zainal	93773
435	Ir. Mohammad Hazmin bin Noor Mahadi	27188
436	Ir. Mohd Azha bin Abu Samah	16254
437	Dato' Ir. Mohd Azmi bin Ismail	56803
438	Ir. Mohd Faizal bin Ghazali	51619
439	Mr. Mohd Helmi Alsuykran bin Abd Malik	97308
440	Mr. Mohd Khairul Anwar bin Mohd Hatta	102455
441	Ir. Mohd Khairul bin Mahtar	41194
442	Ir. Mohd Nasharuddin bin Hashim	38714
443	Mr. Mohd Nazri bin Shaari	32692
444	Ir. Mohd Nazrul Hanif bin Nordin	79003
445	Mr. Mohd Rawawi bin Awang Ngah	84915
446	Ir. Mohd Razmi Ziqri bin Ahmad Shukri	81853
447	Ir. Hj. Mohd Redzuan bin Mohd Ramli	13780
448	Ir. Mohd Saiful bin Ahmad Tajuddin	48037
449	Ir. Mohd Zaidi bin Che Mod	36956
450	Mr. Mohd Zailani bin Mod Nor	33942
451	Mr. Mohd Zoraidi bin Idris Yaahap	102472
452	Dato' Ir. Mohd. Zahari Bin Mansor	05242
453	Mr. Mok Wai Liang	61954
454	Mr. Momas Modon	97328
455	Mr. Muhamad Resdi bin Abdul Manaf	30670
456	Ir. Muhammad Aff bin Halim	105224
457	Ir. Muhammad Fadly bin Ahmad Usul	104313
458	Ir. Dr. Mui Kai Yin	18773
459	Ir. Mun Yew Fai	38649
460	Mr. Musa @ Musli bin Misnan	35564
461	Mr. Nazurul Azuan bin Abdul Aziz	32688
462	Mr. New Huang Chin	21689
463	Ir. Ng Beng Hooi	25057
464	Mr. Ng Boon Chai	100739
465	Mr. Ng Boon Kiat	18171
466	Ir. Ng Chee Yee	10862
467	Mr. Ng Chiu Ming @ Roland Ng	24335
468	Mr. Ng Hian Eik	22535
469	Ir. Ng Hock Chong	18583
470	Mr. Ng Hock Seng	16264
471	Ir. Ng Jia Lin	28394
472	Mr. Ng Joo Yoong	66410
473	Mr. Ng Kwang Lin, Russell	25085
474	Ir. Ng Robert	01655

No.	Name	Membership No.
475	Ir. Ng Sean Lok	25785
476	Ir. Ng Si Yoon	12611
477	Ms. Ng Sook Han, Leona	48908
478	Ir. Dr Ng Soon Ching	30662
479	Ir. Ng Tak Kee	19125
480	Ir. Ng Teik Poh	13463
481	Mr. Ng Wee Hean	50199
482	Ir. Ng Win Siau	51364
483	Ir. Ng Yen Cheong	37585
484	Ir. Ng Yen Yee	33777
485	Ir. Ng Yong Kong	05043
486	Ir. Ngo Kia Sing	16907
487	Ms. Ngu Kat Lung	59931
488	Mr. Noor Azidy bin Ishak	20356
489	Dato' Ir. Hj. Noor Azmi bin Jaafar	19272
490	Ir. Noor Azmil bin Sakur	15168
491	Mr. Noor Mohd Fadzli bin Othman	59187
492	Ir. Dr. Norhashila binti Hashim	79046
493	Ir. Norizam bin Ayob	70304
494	Ms. Norulhakima binti Zakaria	43147
495	Ir. Nur Azhani binti Mohamad Rosli	100933
496	Mr. Nurul Mukmin bin Abdul Rahim	41983
497	Ir. On Seng Hooi	09617
498	Ir. Ong Beng Hoe	12715
499	Mr. Ong Chea Jin	105579
500	Mr. Ong Eng King, Joshua	34005
501	Mr. Ong Hui Keng	06643
502	Ir. Ong Kean Sing	23505
503	Ir. Ong Tang Kook	14229
504	Mr. Ong Teik Chuan	38676
505	Ir. Ong Tian Chuan	20682
506	Ir. Ong Tze Lip, Eugene	16666
507	Ir. Ooi Chee Wee	19337
508	Ir. Ooi Mong Lee, Wendy	64541
509	Ir. Ooi Yeow Khoon	06218
510	Mr. Ooi Zi Xun	45549
511	Ir. Oon Eng Hock @ Oon Kam Khuan	89465
512	En. Pakharuddin bin Mohd Samin	86308
513	Ir. Pan Khee Keong	58701
514	Ir. Pan Kok Loong	18183
515	Mr. Pan Tze Shun	18196
516	Ir. Pang Keng Lee	15810
517	Ir. Pang Kia Kim	22014
518	Ir. Pang Nyuk Bin	04228
519	Mr. Pang San Moh	14936
520	Ir. Pang Su Siong	11930
521	Mr. Pang Wei Chin	24383
522	Mr. Phang Chee Man	22052
523	Mr. Pheh Guan Choon	22520
524	Mr. P'ng Boon Ping	16265
525	Ir. Poh Fong Tee	38882
526	Mr. Pong Vui Wei	28916
527	Mr. Por Teong Hooi	49415
528	Ir. Prabakaran Rajah Thiagarajah	14665
529	Mr. Prem Kumar a/l Kaliannan	38006
530	Ir. Pritam Singh a/l Mahinder Singh	21381
531	Ir. Pui Syn Kong	07339
532	Mr. Pui Yin Jun	23506
533	Ir. Razali bin Muda	05722
534	Mr. Richie Allen Ronald	90139
535	Mr. Rueben Michael a/l Anthony Samy	28844

No.	Name	Membership No.
536	Ms. Rusnida binti Talib	43183
537	Mr. Sabirin bin Hassan	108214
538	Mr. Sar Koon Kong	18575
539	Mr. Seah Woon Bin	107663
540	Mr. Sek Fook Keong	15645
541	Ir. Sek Fook Meng	13965
542	Mr. Ser Heng Lai	08907
543	Ms. Sew Yuh Ling	09618
544	Ir. Sham Chee Kin	11632
545	Ir. Shamshuldali bin Mohd Ali	36976
546	Ir. Shukhen Dutt	15781
547	Ir. Shum Keng Yan	14287
548	Mr. Sia Kie Ding	25570
549	Ir. Siao Wen Bin	09289
550	Ir. Siew Ko Chiang	18656
551	Mr. Sim Jia Siang	79307
552	Ir. Sin Wai Ho	17684
553	Ir. Dr. Siow Chun Lim	79391
554	Ir. Siow Koi Tan	06610
555	Mr. Siow Lip Khai	48116
556	Ms. Siti Aishah binti Abdullah	22952
557	Mr. So Wee Siang	37243
558	Mr. Soh Kwong Chean	66770
559	Ir. Soh Wee Chong	03028
560	Ir. Soo Ching Linn	03300
561	Ir. Soon Can Voon	14791
562	Ir. Soon See Leak	03101
563	Mr. Sreeramalu a/l Namathevan	54501
564	Ir. Sri Kanthan a/l Veeramuthu	51359
565	Ms. Sri Yulis binti M. Amin	111105
566	Ir. Subramaniam a/l Venkatachalam	02187
567	Ir. Sukhairul Nizam bin Abdul Razak	48536
568	Kept. Ir. Sukhdev Singh	11344
569	Ir. Sukhvinder Singh a/l Harbans Singh	29221
570	Ir. Suppah Rao a/l Ramanaidu	49296
571	Ir. Suradini binti Abdul Ghani	25074
572	Mr. Syed Norazizul bin Syed Nasir	38738
573	Ir. Tam Shui Yen	09090
574	Ir. Tan Bee Hong	36345
575	Ir. Tan Boon Han	19763
576	Ir. Tan Buck Soon	05140
577	Ir. Tan Cheah Hee, Benny	50759
578	Ir. Tan Chee Hsiang	70568
579	Mr. Tan Chee Ming	41227
580	Mr. Tan Cheng Chuan	04988
581	Mr. Tan Chew Peng	43067
582	Ir. Tan Chiat Joon	33962
583	Ir. Tan Chun Tat	23260
584	Ir. Tan Juat Ngoh	14655
585	Ir. Tan Ka Yuen	18238
586	Mr. Tan Kai Boon	15831
587	Mr. Tan Kheng Kwang	49586
588	Ir. Tan Kian Aun	23054
589	Mr. Tan Kien Seng	76209
590	Ir. Ts. Dr. Tan Kim Seah	77459
591	Ir. Tan Kim Tiang	12274
592	Ir. Tan Kok Leong	25833
593	Ir. Tan Seng Guan	26404
594	Ir. Tan Swee Khiam	02673
595	Ir. Tan Swee Kun	04900
596	Ir. Tan Tea Hwa	08678

No.	Name	Membership No.
597	Ir. Tan Teck Siong	56123
598	Ir. Tan Thong Meng	10848
599	Ir. Tan Thong Ooi	12433
600	Ir. Tan Wang Khai	28838
601	Mr. Tan Wei Lun	85922
602	Mr. Tan Wei Meng	28379
603	Mr. Tan Yek Guang, Clifford	109247
604	Ir. Tan Yeow Joo	05187
605	Mr. Tan Yu Quan	72639
606	Ir. Tang Bong Kiek @ Tang Agu	13951
607	Mr. Tang Chee How	51356
608	Ir. Tang Chee Yong	11694
609	Ir. Tang Heap Seng	05141
610	Ir. Dr. Tang Khai Hing	06759
611	Mr. Tang Kin Heng	28599
612	Mr. Tang Kok Chu	38717
613	Mr. Tang Kuan Pui	42548
614	Ir. Tang Kwang	21897
615	Ms. Tang Lee Lee	17293
616	Ir. Tang Sing Wuong, Peter	12770
617	Mr. Tang Song Teik	40023
618	Ir. Tang Soo Ha	04092
619	Ir. Tang Tai Teng	02372
620	Mr. Tang Tatt Seng	05871
621	Ir. Dr. Tay Ching En Marcus	34906
622	Ms. Tay Lee Hui	104153
623	Mr. Tee Chin Seong	29163
624	Mr. Tee Choun Tien	54376
625	Ir. Tee Swee Hock	05700
626	Ir. Tee Swee Tit	20519
627	Ir. Teh Han Heng	13295
628	Mr. Ten Pang Sin	19972
629	Mr. Teo Kok Ping	65205
630	Ir. Teo Say Aun	18387
631	Ir. Teoh Kean Teong	27122
632	Ms. Teoh Szu Fern, Angeline	55896
633	Mr. Tey Choo Yew, Calvin	22242
634	Mr. Teyo Eng Chong	36313
635	Ir. Thamim Anser bin Habibullah Khan	26919
636	Ir. Thee Teong Hong	37277
637	Mr. Thien Lye Soon	43729
638	Mr. Thong Foo How	36302
639	Ir. Tiah Oon Han	19227
640	Mr. Tie King Bang	38612
641	Mr. Ting Ming Seong	15334
642	Ir. Ting Sing Kwong	06613
643	Mr. Ting Tiew Whong	24193
644	Mr. Toh Chin Kok	21175
645	Ir. Tok Chye Hock	93751
646	Ir. Tou Yok San	42175
647	Mr. Tsai Song Meaw, Frederick	20022
648	Ir. Tu Yong Eng	15448
649	Ir. Tze Chuan Chee, Francis	01694
650	Ms. Ung Hui Hui	19826
651	Mr. Ung Yoke Giap	22646
652	Mr. Vasavan Balachandran	77555
653	Ir. Vignes a/l Kannesan	87364
654	Ir. Vivekasugha Alif bin Gunaan	39008
655	Ir. Wan Azizul Azri bin Wan Abdul Aziz	28253
656	Ir. Wan Muhammad Faisyal bin Mohd Noor	52306
657	Ms. Wan Nur Arina binti Wan Mohd Nor	89539

No.	Name	Membership No.
658	Mr. Wan Othman bin Wan Jusoh	33762
659	Mr. Wang Tai Fong	20366
660	Mr. Willis Ansoi	10099
661	Ir. Wong Chan Yee	38758
662	Mr. Wong Chien Soon, Kelly	47076
663	Ir. Wong Chin Weng, Roger	56127
664	Ir. Wong Choo Huat	16964
665	Mr. Wong Choon Keng	18768
666	Ir. Wong Chuen Fun, Richard	07180
667	Ir. Wong Fook Kan	08794
668	Ir. Wong Hon Mun	70658
669	Ir. Wong Huan Yong	12895
670	Mr. Wong Keang Hao	59048
671	Mr. Wong Keng Liang	22588
672	Ir. Wong Kim Yen	01450
673	Ir. Wong Kin Wing	20273
674	Mr. Wong Kok Nian	45915
675	Mr. Wong Kok Wai	05845
676	Mr. Wong Kuok Yong	99490
677	Mr. Wong Ling Tung	47630
678	Ir. Wong Mok Far	12051
679	Mr. Wong Mun Fai	29104
680	Mr. Wong Sie Ung, Robert	24371
681	Ms. Wong Siew Yee	39963
682	Mr. Wong Siong Shyong	22456
683	Ir. Wong Siong Ung	22644
684	Ir. Wong Su Ken	17560
685	Ir. Wong Swee On	03830
686	Ir. Wong Tai Poh	13736
687	Mr. Wong Tian Seng	18292
688	Ir. Wong Tuck Yoon	12228
689	Ir. Dr. Wong Wai Sam	16485
690	Mr. Wong Wee Chee	34304
691	Ms. Wong Woan Jiuan	22946
692	Mr. Wong Wun Chwen, Norman	56116
693	Ir. Wong Yat Kun	02271
694	Ir. Wong Yee Foong	18146
695	Ir. Woon Tin Kek	19628
696	Ir. Wu Swee Weng	06661
697	Ir. Yang Kok Wei	48065
698	Mr. Yap Chee Hong	41245
699	Ir. Yap Kiam Fui	07174
700	Mr. Yap Kim Chuan	20882
701	Ir. Yap Kok Keong	05454
702	Mr. Yap Kok Wai	11507
703	Ir. Yap Ming Tzer	32546
704	Ir. Yap Soon Onn	29197
705	Ir. Yap Tze Chuen	24328
706	Ir. Yasotha Ramachandran Chetty	58128
707	Mr. Yee Keat Leong	43162
708	Mr. Yee Ming Jiunn	45311
709	Ir. Yee Wing Pang	10287
710	Ir. Yeng Chuan Buu	13881
711	Ir. Yeo Joo Kun	03561
712	Mr. Yeo Ka Chai	24126
713	Mr. Yeo Lung Lung, Alvin	29199
714	Ir. Yeoh Sik Ching	06707
715	Mr. Yeoh Su Hong	28006
716	Ir. Yew Hoo Sang	07775
717	Mr. Yong Hong Liang	21589
718	Ms. Yong Hui Foong	38321

No.	Name	Membership No.
719	Ir. Yoong Lai Yee	17621
720	Ir. Yu Jin Min	09084
721	Dr. Yuen Choon Wah	81283
722	Ir. Zaimul Khalil bin Md. Mustafa	43069
723	Ir. Zainal Abidin bin Othman	05317
724	Ir. Zainol Arifen bin Said	15123
725	Mr. Zainudin bin Jusoh	105196
726	Ir. Zufri bin Mustapha	10507
727	Ir. Dr. Zuhaina binti Zakaria	20105
728	Mr. Zulfa Asri bin Zulkifli	25883
729	Ir. Zulkaidah binti Yaakub	18454
<b>SENIOR GRADUATE MEMBER</b>		
730	Mr. Lee Shiao Jien	50757
731	Mr. Liew Chee Leong	101936
<b>GRADUATE MEMBER</b>		
732	Mr. Abul Kasim bin S.M.J. Dulkaman	51329
733	Mr. Alias bin Mansor	111343
734	Mr. Almizan bin Mohasen	66801
735	Mr. Ang Kiang Long	49579
736	Mr. Bong Nee Shin, Victor	72205
737	Mr. Chan Chee Leong	47116
738	Mr. Cheku Ramlan bin Cheku Ibrahim	14219
739	Mr. Chin Kah Yi	25821
740	Mr. Chin Kean Shiung	111791
741	Mr. Chooi Jia Hoong	48088
742	Ms. Choong Pooi Ying	95627
743	Mr. Chung Lip Leong	25114
744	Mr. Covey Sutherland Timothy	105654
745	Mr. Dinesh a/l Sathyamoorthy	35530
746	Mr. Dinesh Kumar Madhavan	66478
747	Mr. Gan Teik Guan	87405
748	Ms. Hii Ling Chee	27799
749	Ms. Jacquelyne Anne Boudeville	74380
750	Mr. Keong Le-Onn	97141
751	Mr. Kuugan a/l Thangarajoo	66648
752	Mr. Lai Chiong Sun, Robin	99187
753	Mr. Lai Tze Khai	28030
754	Ms. Lau Ee Von	50204
755	Mr. Lee See Peng	21908
756	Mr. Leow Chee Huan	37670
757	Mr. Leow Chee Sin	45550
758	Mr. Lim Heng Tean	43171
759	Mr. Lim Yiren	68058
760	Mr. Looi Ting Wee	24075
761	Mr. Looi Tink Huey, Alex	62106
762	Mr. Md. Yushairi Kamarul Effendy bin Mohd Yusof	27918
763	Mr. Mohd Arief Firdaus bin Mohd Yusof	37497
764	Hj. Mohd Azahar bin Awang	20864
765	Mr. Mohd Eya Redhuan bin Khairudin	31633
766	Mr. Mohd Fadhil bin Majnis	24684
767	Mr. Mohd Norzikri bin Kamaruddin	57132
768	Mr. Muhamad Siddiq bin Naslah	59059
769	Mr. Muhammad Ashiq Marecan bin Hamid Marecan	88345
770	Mr. Muhammad Khairul Amilin bin Ismail	26773
771	Mr. Muhammad Yusuf bin Hashim	69497
772	Mr. Ngien Su Kong	41069
773	Ms. Nithya Thevi a/p Kandasamy	26838
774	Mr. Nordin bin Aminuddin	74456
775	Mr. Peh Kok Joo	49438
776	Ms. Raja Zahilah binti Raja Mohd. Radzi	62159

No.	Name	Membership No.
777	Dr. Rozaimi bin Ghazali	89722
778	Mr. Salleh bin Imbin	61991
779	Mr. San Kin Hong	07025
780	Mr. Seah Boon Kee	22707
781	Mr. She Chee Sun	21354
782	Mr. Sia Shang Yuen	41292
783	Dr. Siow Ping Chuan	89538
784	Dr. Siti Zuraidah binti Ibrahim	107629
785	Mr. Syed Khairi bin Syed Abbas	33199
786	Ms. Tan Huey Meing	65047
787	Mr. Tan Teck Ying	60730
788	Mr. Tang Lee Chong	26395
789	Dr. Tee Boon Tuan	24866
790	Mr. Teh Tik Guan	07832
791	Ms. Tiang Kor Lin	87490
792	Mr. Tie Tzer Sheng	85532
793	Mr. Uthaya Kumaran a/l Devaraj	31819
794	Mr. Vincent Chong Yi Qin	102266
795	Mr. Voon Sze Lee, Felix	81708
796	Mr. Wong Wai Kin	70604
797	Mr. Wong Zhi Li	37279
798	Mr. Wong Zhi Yong	38313
799	Mr. Yew Weng Kean	35591
800	Mr. Yogeswaran V. Supramaniam	105930
<b>INCORPORATED MEMBER</b>		
801	Sdr. Kho Tuck Sing	99380
802	Sdr. Shafulrizal bin Zainol	26932
803	Sdr. Teh Liang Hean	49304
804	Dr. Wael Rashid Abdulmajeed	108136
<b>ASSOCIATE MEMBER</b>		
805	Sdr. Tharuma Nathan a/l Hari Krishnan	112489
806	Sdr. Yusran bin Ariffin	87131
<b>STUDENT MEMBER</b>		
807	Sdr. Ahmad Aminuddin bin Ahmad Dzafir	106517
808	Sdr. Alarifi Hamzh Hamad Aboubakr Hamad	102222
809	Sdr. Lee Jun Yan	111965
810	Sdr. Megat Sharil Azeem Zulqahar	107560

**MINIT MESYUARAT AGUNG TAHUNAN YANG KE-61  
YANG DIADAKAN PADA 25 JULAI 2020 MELALUI MOD HIBRID PADA PUKUL 9.00AM**

***SENARAI AHLI-AHLI YANG HADIR – SEPERTI DILAMPIRAN A***

**1.0 KATA-KATA ALUAN OLEH YANG DIPERTUA**

1.1 Yang DiPertua, Ir. David Lai Kong Phooi merakamkan ucapan terima kasih dan mengalu-alukan kehadiran para ahli ke Mesyuarat Agung Tahunan (MAT) yang ke-61 dan seterusnya memulakan mesyuarat pada pukul 9.07am. Beliau kemudian melaporkan aktiviti / acara yang berlangsung semenjak bulan Mei 2019 sehingga bulan Julai 2020. Beliau juga memaklumkan bahawa Perintah Kawalan Pengerakan berkuatkuasa dari 18 Mac sehingga 1 Ogos 2020 berikutan pandemik Covid-19 telah menyebabkan operasi IEM and para ahli mengalami perubahan yang drastic. Malah ia juga mempengaruhi keadaan ekonomi negara, gaya hidup, karier dan juga perniagaan rakyat Malaysia. Yang DiPertua juga memaklumkan bahawa IEM telah melakukan kerja-kerja amal semasa negara dilanda pandemic tersebut. Beliau mengucapkan terima kasih kepada para penderma kepada tabung Covid-19 dimana ia telah digunakan untuk membeli pelitup muka 3 lapis untuk organisasi-organisasi seperti berikut:

- i) Hospital Universiti –10,000 keping pelitup muka
- ii) Persatuan Bagi Orang Buta Malaysia– 5,000 keping pelitup muka
- iii) Persekutuan Orang Pekak Malaysia - 5,000 keping pelitup muka

Yang DiPertua juga memaklumkan MAT bahawa beliau akan merupakan Yang DiPertua paling lama berkhidmat di Institusi disebabkan pandemik Covid-19 iaitu mulai 21 April 2018 sehingga 25 Julai 2020 iaitu selama dua (2) tahun tiga (3) bulan dan tiga (3) hari.

Yang DiPertua seterusnya memaklumkan para Ahli mengenai perjalanan beliau dari seorang Ahli biasa Insituti Jurutera Malaysia sejak tahun 1987 yang kemudiannya dilantik sebagai Pengerusi Cawangan, perkhidmatan beliau dalam Jawatankuasa Kecil, Jawatankuasa Tetap, Jawatankuasa Majlis, Jawatankuasa Eksekutif sehingga menjadi Yang DiPertua. Selain berkongsi pengalaman beliau sepanjang perkhidmatan sebagai seorang ahli IEM, Yang DiPertua juga berkongsi visi dan pandangan beliau dalam lima (5) isu terbitan majalah Jurutera.

Seterusnya Yang DiPertua juga memaklumkan bahawa sepanjang tempoh perkhidmatannya sebagai Yang DiPertua, beliau telah berjaya mengadakan hubungan kerja rapat bersama kesemua Cawangan IEM di samping usaha beliau untuk mengekalkan hubungan erat dengan pelbagai Kementerian serta Ketua Organisasi Kejuruteraan Antarabangsa seperti Pertubuhan Kejuruteraan Persekutuan Dunia (WFEO), Persekutuan Pertubuhan Kejuruteraan ASEAN (AFEO), Perikatan Kejuruteraan Antarabangsa (IEA), Majlis Jurutera Komanwel (CEC), Persekutuan Institusi Kejuruteraan Negara-negara Islam (FEIIC) dan Persekutuan Organisasi Kejuruteraan Afrika (FAEO).

Yang DiPertua juga memaklumkan kejayaan IEM dalam menganjurkan sambutan Majlis Makan Malam Ulang Tahun ke-60 pada 20 April 2019 di Sunway Resort. Beliau seterusnya melaporkan bahawa IEM berjaya menjual 139 buah meja yang dianggap sebagai catatan rekod tertinggi sepanjang sejarah IEM. Beliau kemudian mengucapkan tahniah kepada Pengerusi Penganjur Makan Malam Tahunan IEM, Ir. Gopal Narian Kutty di atas kejayaan tersebut.

Yang DiPertua seterusnya melafazkan komen beliau bahawa IEM sebagai sebuah badan profesional harus menyemai rasa hormat sesama ahli dan pada masa yang sama, menggalakkan kepelbagaian pendapat di antara para ahli. Beliau mengulas bahawa peranan Yang Dipertua Institusi bukanlah tugas yang mudah kerana beliau terpaksa menghadapi pelbagai cabaran dalam menegakkan dan memelihara martabat jawatan Yang Dipertua IEM dan ini telah menyebabkan hubungan persahabatan dengan segelintir ahli menghadapi sedikit tekanan.

Dalam perkembangan lain, Yang DiPertua memaklumkan sejak 3 Jun 2020, IEM terlibat dalam pengurusan krisis untuk penganjuran persidangan antarabangsa disebabkan pandemik Covid-19. Beliau selanjutnya memberitahu MAT bahawa selama sebulan yang terakhir ini, tidak kurang dari dua puluh (20) perbincangan rasmi telah dilakukan terutamanya untuk memastikan bahawa IEM tidak akan terlibat dalam implikasi kewangan dan undang-undang berhubungan dengan penganjuran persidangan tersebut. Kata sepakat dengan ITA, badan antarabangsa yang memiliki persidangan tersebut telah berjaya dicapai dan pengisytiharan bersama oleh kedua-dua belah pihak untuk meneruskan penganjuran persidangan antarabangsa itu telah dibuat pada awal bulan hb Julai.

Yang DiPertua merakamkan ucapan terima kasih kepada Pasukan Petugas Khas atas bimbingan, nasihat dan ketabahan mereka dalam perbincangan dengan IAT. Beliau juga mengucapkan terima kasih kepada Jawatankuasa berkaitan yang terlibat dalam isu ini iaitu Jawatankuasa Pengawasan yang dianggotai oleh Y.Bhg. Dato' Paduka Hj. Ir. (Dr.) Keizrul Abdullah, Y.Bhg. Ahli Akademik Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik dan Ir. Dr. Tan Yean Chin, Ketua Jawatankuasa Penganjur WTC yang diketuai oleh Ir. Dr Ooi Teik Aun serta ahli Lembaga Pengarah IEM TC yang diketuai oleh Ir. Ong Ching Loon yang telah banyak membantu Yang DiPertua.

Yang DiPertua kemudian memaklumkan walaupun beliau mungkin mempunyai perselisihan faham mengenai masalah tertentu dengan beberapa ahli, beliau menjelaskan bahawa semua yang dilakukan adalah demi kepentingan IEM. Yang DiPertua menekankan lagi bahawa beliau mungkin tidak mampu menyelesaikan tugasnya sebagai Yang DiPertua tanpa sokongan kuat dari Ahli Eksekutif dan Timbalan Yang DiPertua. Beliau memaklumkan bahawa sebanyak enambelas mesyuarat Ahli Eksekutif telah diadakan sepanjang sesi 2019/2020 dan kehadiran anggota adalah 90%. Beliau turut merakamkan ucapan terima kasih kepada Ir. Prof. Dr. Jeffrey Chiang Chong Luin dan Ir. Fam Yew Hin di atas kehadiran penuh dalam semua mesyuarat tersebut.

Yang DiPertua juga merakamkan ucapan terima kasih kepada Setiausaha Kehormat, Ir. Mohd Khir bin Muhammad di atas sokongan dan sumbangannya pada waktu yang sukar. Yang DiPertua juga menyampaikan penghargaannya kepada Urusetia yang telah membantu walau di luar waktu pejabat. Akhir sekali, Presiden mengucapkan terima kasih kepada para ahli di atas sokongan, bimbingan dan nasihat mereka selama dua (2) tahun ini.

Seterusnya Yang DiPertua memberi laporan terhadap perkara di bawah:

## 1.2 Kemaskini untuk Sesi 2029/2020

MAT dimaklumkan bahawa kedudukan semasa keahlian IEM adalah seramai 53,894 ahli yang terdiri daripada pelbagai gred dimana 31,419 adalah ahli Pelajar.

Yang DiPertua seterusnya memaklumkan bahawa beliau telah menghadiri mesyuarat antarabangsa seperti berikut:

- 1) Mesyuarat Lembaga Pentadbiran AFEO pertengahan diadakan di Brunei pada 29 April 2019
- 2) Mesyuarat ITA di Naples, Itali pada bulan Mei 2019
- 3) Mesyuarat IEA di Hong Kong dari 10-14 Jun 2019
- 4) CAFEO 37 di Jakarta, Indonesia dari 11-14 September 2019

Selain menghadiri mesyuarat-mesyuarat yang disebutkan di atas, beliau juga menghadiri dan berkongsi sesi dialog bersama delegasi dari pelbagai institusi kejuruteraan profesional seperti Jurutera Australia, Persatuan Sains dan Teknologi China, Lembaga Jurutera Myanmar, Persatuan Insinyur Indonesia serta organisasi iaitu Persatuan Jurutera Perunding Malaysia (ACEM) dan Majlis Standard dan Akreditasi Malaysia (MSDAM).

IEM juga telah menandatangani Memorandum Persefahaman dengan beberapa Institusi Pengajian Tinggi (IPT) seperti Universiti Politeknik Northwestern (NPU), China pada 29 Jun 2019, Universiti Heriot-Watt pada 8 Julai 2019 dan KDU University College pada 17 Oktober 2019. Selain dari IPT, IEM juga menandatangani MoU dengan Majlis Minyak dan Gas Malaysia (MOGSC) pada 8 Julai 2019 dan Perbadanan Teknologi Hijau Malaysia (MGTC) pada 9 Oktober 2019.

Yang DiPertua juga telah menghadiri Pertubuhan Kejuruteraan Persekutuan Dunia (WFEO) yang diadakan pada 14-19 November 2019 dimana beliau telah bertemu dengan delegasi dari Afrika yang mewakili FAEO di Majlis Umum WFEO di Melbourne, Australia. Selain dari pertemuan yang disebutkan, Yang DiPertua juga menghadiri mesyuarat Majlis Jurutera Komanwel (CEC) pada 19 November 2019 dan Mesyuarat Agung FEIAP pada 21 November 2019 di Melbourne, Australia.

Yang DiPertua juga merasmikan pelancaran 'IEM Maker Space' pada 5 Oktober 2019 di Wisma IEM dan pelancaran Konvensyen IEM yang dianjurkan oleh CIS Network pada 12 Disember 2019.

MAT juga dimaklumkan bahawa semasa Perintah Kawalan Pergerakan (PKP), Pejabat Urusetia IEM ditutup dan semua mesyuarat diadakan secara di dalam talian. Dua (2) kenyataan media dikeluarkan selama waktu itu.

Sewaktu PKP dilaksanakan, Yang DiPertua dan Timbalan Yang DiPertua juga dijemput menghadiri sesi dialog bersama Menteri di Jabatan Perdana Menteri, Y.Bhg. Dato' Sri Mustapha Mohamad mengenai isu-isu yang berkaitan dengan sektor bangunan pada 23 April 2020. Kemudian, pada 20 Mei 2020 pula, Timbalan Yang DiPertua telah menghadiri mesyuarat bersama Menteri Kewangan, Y.Bhg. Senator Tengku Dato' Sri Zafrul Tengku Abdul Aziz.

Yang DiPertua juga telah menghadiri mesyuarat yang dianjurkan oleh Kementerian Perdagangan Antarabangsa dan Industri (MITI) yang dipengerusikan oleh Timbalan Ketua Setiausaha MITI, Y.Bhg. Dato' Sri Norazman Ayob untuk membincangkan isu-isu operasi industri perkhidmatan semasa PKP dilaksanakan pada 28 April 2020. Pada 24 dan 25 Jun 2020, Yang DiPertua bersama dengan Timbalan Yang DiPertua menghadiri Mesyuarat IEA secara platform maya.

## 2.0 AGENDA

Setelah selesai menyampaikan laporan, Yang DiPertua seterusnya membentangkan Agenda untuk MAT seperti berikut:

1.	Pengesahan Minit Mesyuarat Agung Tahunan ke-60 yang diadakan pada 20 April 2019
2.	Perkara-perkara berbangkit dari Mesyuarat Agung Tahunan ke-60 yang diadakan pada 20 April 2019
3.	Pembentangan laporan Setiausaha Kehormat
4.	Pembentangan Penyata Kewangan untuk Tahun yang berakhir pada 31 Disember 2019
5.	Cadangan Pindaan Perlembagaan
6.	Soalan dari Para Ahli
7.	Pembentangan Keputusan Pemilihan Majlis Sesi 2020/2021
8.	Amanat Yang DiPertua untuk Sesi 2020/2021

Yang DiPertua seterusnya meneruskan Mesyuarat Agung Tahunan ke-61 selepas tiada bantahan terhadap Agenda yang dibentangkan.

### 3.0 PENGESAHAN MINIT MESYUARAT AGUNG TAHUN KE-60 PADA 20 APRIL 2019

Yang DiPertua menjemput para ahli untuk membaca minit MAT yang dicetak dimuka surat 52 hingga 70. MAT juga diminta untuk membaca senarai kehadiran dari muka surat 71 hingga 75. Versi Bahasa Malaysia yang terdapat dimuka surat 76 hingga 94.

Yang DiPertua selanjutnya memaklumkan sekiranya terdapat ahli yang ingin memberi komen, mereka perlu mengklik ikon "RAISE HAND".

Ir. Lai Sze Ching (F04687) memaklumkan bahawa komposisi ahli Jawatankuasa Khas mengenai Pindaan Perlembagaan IEM dimuka surat 19 perlu meletakkan nama Ir. Mohd Khir bin Muhammad, Ir. Fam Yew Hin dan Ir. Lee Boon Chong.

Oleh kerana tiada lagi kesilapan dalam minit mesyuarat, Ir. Yam Teong Sian (F05613) mencadangkan agar minit Mesyuarat Agung Tahunan ke-60 yang diadakan pada 20 April 2019 disahkan dan diterima pakai. Usul tersebut telah disokong oleh Y.Bhg. Ahli Akademik Tan Sri Dato 'Ir. Prof. Dr. Chuah Hean Teik (HF09157).

### 4.0 PERKARA BERBANGKIT

Yang DiPertua seterusnya memaklumkan mengenai perkara-perkara yang dibangkitkan pada Mesyuarat Agung Tahunan ke-60 yang diadakan pada 20 April 2019:

#### 4.1 Muka surat 53 - 55

Item 3.0 - Memudahkan Proses Keahlian

MAT dimaklumkan bahawa pelbagai aktiviti promosi telah dilakukan untuk meningkatkan keahlian ahli terutamanya untuk gred Ahli Korporat dan Siswazah.

Untuk sesi yang lepas, keahlian untuk MIEM telah meningkat sebanyak 599. Walau bagaimanapun, keahlian ahli Siswazah masih belum mencapai tahap yang memberangsangkan.

Sehubungan dengan itu, Jawatankuasa Tetap Kebajikan telah mengambil langkah untuk mendapatkan faedah tambahan bagi menarik lebih ramai jurutera siswazah untuk menjadi ahli IEM. Selain itu, MAT dimaklumkan bahawa Jawatankuasa Kecil Buku Log telah dijenamakan semula sebagai Jawatankuasa Kecil Pembangunan Kompetensi Kejuruteraan yang juga secara aktif mempromosikan skim Buku Log dan Mentor IEM. IEM juga dalam proses menyediakan program Mentor Atas Talian yang bertujuan untuk memberi lebih banyak faedah serta panduan kepada jurutera siswazah agar mereka berminat untuk menjadi ahli IEM.

#### 4.2 Muka surat 60 – 61

Item 7.0 - Mengenai isu aduan terhadap Yang DiPertua oleh seorang ahli, MAT yang akhir telah memutuskan untuk Majlis mengarahkan Jawatankuasa Tetap Amalan Profesional untuk meneliti aduan tersebut.

MAT dimaklumkan berikutan surat aduan yang dibentangkan semasa MAT yang lepas dan selepas mesyuarat Majlis ke-419 yang diadakan pada 21 Oktober 2019, Panel Pemeriksaan telah dibentuk oleh Jawatankuasa Tetap Amalan Profesional untuk menentukan sama ada aduan itu terhadap :

- jawatan Yang DiPertua; atau
- orang yang memegang jawatan Yang DiPertua

Majlis diberitahu bahawa Jawatankuasa Kerja, setelah pelbagai perbahasan dan perbincangan dilakukan, telah membuat kesimpulan bahawa aduan tersebut bukan terhadap seseorang ahli dan oleh yang demikian Jawatankuasa Penyiasatan tidak perlu dibentuk untuk kes tersebut. Jawatankuasa Kerja berkeputusan bahawa aduan tersebut lebih berkaitan dengan pengurusan dan bukannya atas kesalahan yang diperlakukan oleh seseorang. Dinyatakan juga bahawa aduan itu adalah di atas cara Yang DiPertua mempengerusikan mesyuarat.

MAT dimaklumkan bahawa Jawatankuasa Eksekutif, setelah membuat undian di mana Yang DiPertua berundur dari mesyuarat untuk seketika, telah memutuskan bahawa Jawatankuasa Penyiasatan tidak perlu dibentuk untuk perkara tersebut.

MAT mengambil maklum bahawa Majlis juga telah bersetuju bahawa perkara itu dianggap selesai.

#### 4.3 Muka surat 62-65 - Item 8.0

Cadangan Pindahan Perlembagaan

MAT dimaklumkan bahawa komen yang dibuat pada MAT yang lepas telah dipertimbangkan dan pindaan yang disemak akan dikemukakan di bawah Perkara 6 di dalam Agenda.

### 5.0 LAPORAN TAHUNAN SESI 2019/2020

Yang DiPertua kemudian menjemput Setiausaha Kehormat, Ir. Mohd Khir bin Muhammad untuk membentangkan pelbagai aktiviti dan acara yang telah diatur pada tahun 2019. Ia dicetak pada mula surat 101 hingga 109 dalam Laporan Tahunan. Setiausaha Kehormat kemudian meneruskan laporan mengenai perkara-perkara yang dinyatakan dalam laporan Tahunan seperti berikut:

#### 5.1 Majlis dan Jawatankuasa Eksekutif

Untuk Sesi 2019/2020, Majlis dengan anggota berjumlah 72 ahli telah mengadakan lima (5) mesyuarat. Majlis dalam mesyuarat membincangkan perkara-perkara yang berkaitan dengan dasar serta pengurusan harta dan urusan Institusi.

Jawatankuasa Eksekutif mempunyai seramai sembilan belas (19) ahli. Oleh kerana Perintah Kawalan Pergerakan (PKP), MAT terpaksa ditangguhkan. Jawatankuasa Eksekutif untuk pertama kalinya dalam sejarah IEM, telah mengadakan enam belas (16) mesyuarat untuk sesi 2019/2020. Peranan Jawatankuasa Eksekutif adalah untuk melaksanakan keputusan Majlis.

#### 5.2 Jawatankuasa Tetap dan Operasi Harian

MAT dimaklumkan bahawa Jawatankuasa Eksekutif dibantu oleh lapan (8) Jawatankuasa Tetap dalam operasi harian. Tujuh Jawatankuasa Tetap diketuai oleh seorang Naib Yang DiPertua manakala Jawatankuasa Tetap Kewangan dipengerusikan oleh Timbalan Yang DiPertua.

#### 5.3 Keahlian

Setiausaha Kehormat memaklumkan bahawa sehingga 31 Disember 2019, sejumlah 6,087 calon telah lulus untuk kemasukan / pemilihan / pindah ke pelbagai gred. Dari ahli baru yang direkrut, 4,563 adalah pelajar. Walau bagaimanapun, 2,304 ahli perlu digantung keahlian kerana tidak menjelaskan yuran tahunan. Keseluruhan keahlian IEM adalah seramai 53,894 dimana 32,260 adalah ahli-ahli dari Cawangan-cawangan IEM.

Dari segi pecahan keahlian mengikut gred pula, Setiausaha Kehormat seterusnya memaklumkan bahawa keahlian Siswa mempunyai peratusan tertinggi iaitu 58.3% diikuti oleh Ahli Korporat (23%), Siswazah (18%), "Companion" (0.4%) dan gred lain seperti sebagai "Incorporated", "Affiliate" dan "Associate" adalah 0.4%.

#### 5.4 Temuduga Profesional

MAT dimaklumkan bahawa untuk sesi 2019/2020, seramai 207 calon telah mendaftar untuk mengikuti Temuduga Profesional (PI). 170 calon telah lulus iaitu 82%. Jumlah calon yang gagal dalam PI adalah 21 orang iaitu 17%. Seramai 10 calon masih menunggu keputusan mereka.

#### 5.5 Penerbitan IEM

Setiausaha Kehormat memaklumkan MAT bahawa majalah IEM iaitu "Jurutera" telah diterbitkan setiap bulan sepanjang sesi 2019/2020.

Namun disebabkan PKP, edisi pertama e-Buletin dalam format mudah dibaca dan tidak perlu dimuat turun telah diperkenalkan untuk kemudahan pembacaan. MAT dimaklumkan disebabkan oleh kenaikan kos pos sebanyak 100%, "Jurutera" tidak akan lagi dihantar melalui pos kepada ahli secara individu. Namun, sebilangan kecil salinan telah dicetak untuk diambil sendiri oleh ahli di Ibu Pejabat IEM atau Cawangan.

Selanjutnya dilaporkan dua (2) edisi Jurnal telah diterbitkan dan IEM kini sedang berusaha untuk pengindexan SCOPUS untuk Jurnal IEM. Para ahli digalakkan untuk menghantar kertas kerja mereka untuk terbitan dalam Jurnal IEM.

#### 5.6 **Aktiviti IEM 2019**

Setiausaha Kehormat melaporkan terdapat keseluruhan 430 acara yang telah diadakan untuk sesi 2019/2020. Acara ini merangkumi ceramah, lawatan teknikal, kursus dan seminar, pertandingan dan acara sosial IEM seperti pertandingan golf dan boling, Minggu Keluarga dan Minggu Kejuruteraan IEM.

#### 5.7 **Faedah Ahli**

MAT dimaklumkan sejak Kad Kesetiaan IEM diperkenalkan pada tahun 2017, IEM telah berjaya mendaftar semakin ramai peniaga untuk memberikan faedah tambahan kepada para ahli. Selain memberikan diskaun kepada ahli IEM dalam pelbagai kategori seperti kenderaan (BMW, Mercedes-Benz, Volvo, Audi, dll.), restoran dan pakaian sukan, terdapat juga kategori penjagaan kesihatan seperti Institut Jantung Negara (IJN).

#### 5.8 **Acara di Cawangan IEM**

Setiausaha Kehormat juga melaporkan Cawangan IEM iaitu Negeri Sembilan, Sarawak, Selatan dan Pulau Pinang berjaya mengadakan Majlis Makan Malam Tahunan mereka sebelum pelaksanaan PKP. Dilaporkan juga kempen Mengenai Kesedaran Denggi telah dianjurkan oleh Cawangan Melaka pada 23 Ogos 2019.

#### 5.9 **Kesan Pandemik Covid-19**

MAT dimaklumkan tentang arahan yang dikeluarkan oleh Pendaftar Pertubuhan (ROS) pada 16 Mac 2020 di mana semua pertubuhan adalah dilarang untuk mengadakan sebarang aktiviti yang memerlukan perhimpunan ramai orang seperti perjumpaan dan aktiviti.

Jawatankuasa Ad-Hoc mengenai Covid-19 telah dibentuk untuk mengesan impak pandemik dan PKP terhadap IEM dan para ahli IEM. Ahli Jawatankuasa Ad-Hoc tersebut terdiri daripada Yang DiPertua, Timbalan Yang DiPertua, Timbalan Yang DiPertua yang akan datang, Setiausaha Kehormat dan Bendahari Kehormat serta tujuh (7) Naib Yang DiPertua.

Antara tindakan proaktif yang telah diambil oleh Jawatankuasa tersebut adalah berhubung dengan Pejabat Perdana Menteri, Kementerian Kewangan (MoF), Kementerian Perdagangan Antarabangsa dan Industri (MITI) dan Kementerian Kerja Raya (MoW) untuk memberi cadangan sebagai tindak balas kepada inisiatif Kerajaan. IEM juga menawarkan kepakaran ahli-ahli untuk membantu kerajaan sekiranya diperlukan.

Selain daripada itu, Yang DiPertua dan Timbalan Yang DiPertua IEM juga dijemput untuk menghadiri beberapa mesyuarat yang dianjurkan oleh Majlis Tindakan Ekonomi (EAC), Kementerian Industri dan Perdagangan Antarabangsa (MITI) dan Kementerian Kewangan (MoF).

IEM juga telah memberikan maklumbalas dan cadangan seperti berikut :

EAC	Risiko dan Cabaran yang Dihadapi oleh Profesional di Sektor Pembinaan kerana Pandemik Covid-19 pada 23 April 2020
MITI	<ul style="list-style-type: none"> <li>i. Masalah yang Dihadapi oleh Perkhidmatan Profesional (PS) ketika memulakan Perniagaan pada 10 April dan 28 April 2020</li> <li>ii. Pasca-PKP Langkah-langkah Pemulihan Ekonomi pada 13 dan 19 Mei 2020</li> </ul>
MoF	Pembangkitan Semula Ekonomi pada 28 Mei 2020
MoW	<ul style="list-style-type: none"> <li>i. Cadangan Penyediaan Rangka Strategi Rancangan Malaysia Ke Dua Belas (RM ke-12)</li> <li>ii. Cadangan Isu Berkaitan Gubalan RUU Pelaksanaan Langkah Sementara untuk Mengurangkan Kesan COVID-19 pada 2 Jun 2020</li> </ul>

Demi membantu IEM dalam penyediaan maklum balas mengenai keperluan ahli-ahli IEM, IEM juga telah melaksanakan tiga (3) tinjauan di kalangan ahli-ahli IEM. Jumlah responden yang telah memberi maklumbalas adalah seperti berikut:

1. Kesan Covid-19 pada Ahli IEM - dikategorikan kepada Pekerja, Majikan dan Jurutera Bersara dari 5-9 April 2020 - seramai 801 responden
2. Kesan Covid-19 kepada Pelajar - dari 30 April-7 Mei 2020 - seramai 379 responden
3. Tinjauan Susulan mengenai Kesan MCO pada anggota IEM - dikategorikan kepada Pekerja, Majikan dan Jurutera Bersara dari 22 Mei-7 Jun 2020 - seramai 465 responden

### 5.10 Pekeliling IEM

Setiausaha Kehormat selanjutnya melaporkan setakat ini, IEM telah mengeluarkan tujuh (7) pekeliiling untuk makluman ahli IEM. Pekeliiling No. 8 dan Pekeliiling No. 9 akan segera dikeluarkan tidak berapa lama lagi. Pekeliiling-pekeliiling ini boleh didapati di laman web IEM di [www.myiem.org.my](http://www.myiem.org.my) untuk maklumat ahli.

<i>Pekeliiling IEM No. 1</i>	<i>Nasihat kepada Ahli untuk Lebih Berhati-Hati</i>
<i>Pekeliiling IEM No. 2</i>	<i>Inisiatif IEM untuk Ahli</i>
<i>Pekeliiling IEM No. 3</i>	<i>Maklumbalas IEM Mengenai Kesan Covid-19, Pakej Rangsangan dan Cadangan kepada Kerajaan</i>
<i>Pekeliiling IEM No. 4</i>	<i>Pejabat Urusetia IEM Kembali Beroperasi</i>
<i>Pekeliiling IEM No. 5</i>	<i>CPD untuk Webinar dan Kemas Kini</i>
<i>Pekeliiling IEM No. 6</i>	<i>Makluman Penguatkuasaan Perintah Khas Ketua Pemeriksa Bil.1 dan 2 2020</i>
<i>Pekeliiling IEM No. 7</i>	<i>Penanguhan Tempoh Masa (EOT) untuk Edaran dan Penyerahan Penyata Kewangan</i>

### 5.11 Norma Baru untuk IEM

MAT difahamkan bahawa IEM harus menyesuaikan diri dengan Norma Baru sejak penguatkuasaan Perintah Kawalan Pergerakan (PKP) kerana perjumpaan dan aktiviti fizikal tidak dibenarkan. Oleh itu, IEM harus segera membiasakan diri untuk bermesyuarat dan melakukan aktiviti secara maya.

Setiausaha Kehormat kemudian melaporkan bahawa IEM telah mendaftar sebanyak tiga (3) akaun atas talian untuk memenuhi keperluan bermesyuarat bagi Jawatankuasa dan Bahagian Teknikal IEM. MAT juga dimaklumkan bahawa mesyuarat Jawatankuasa Eksekutif yang diadakan pada 6 April 2020 akan menjadi sejarah IEM sebagai mesyuarat Jawatankuasa Eksekutif yang julung kali dilaksanakan secara maya.

### 5.12 Webinar IEM

MAT dimaklumkan bahawa disebabkan larangan dari ROS, IEM perlu mempertimbangkan untuk menukarkan mod pengendalian aktiviti-aktiviti ke platform maya. Webinar IEM yang pertama telah berjaya dilaksanakan pada 18 April 2020 oleh Jawatankuasa Kecil Pembangunan Kompetensi Kejuruteraan. Lebih daripada 300 orang ahli telah mendaftar untuk webinar ini tetapi atas kekangan akaun, hanya 100 peserta sahaja dapat diterima. IEM telah mengadakan 70 webinar dengan lebih dari 10,289 peserta di mana 40% adalah dari Lembah Klang dan kira-kira 1% dari luar negara. MAT dimaklumkan bahawa 43 webinar lain telah dikenalpasti. Dengan sambutan yang luar biasa dari ahli, IEM telah mendaftar untuk akaun yang berkapasiti lebih tinggi bagi membolehkan webinar IEM memenuhi bilangan 500 peserta.

Setiausaha Kehormat juga melaporkan dengan Pemulihan PKP yang diumumkan pada 7 Jun 2020 dan kelonggaran larangan oleh ROS, IEM akan cuba meneruskan aktiviti secara fizikal. IEM perlu mempertimbangkan keselamatan dan kesihatan ahli serta keperluan untuk penjarakkan sosial, maka IEM akan cuba menjalankan aktiviti secara hibrid. Ini juga bagi membolehkan ahli dari luar Lembah Klang untuk bersama mendapat manfaat dari pelbagai aktiviti yang diadakan di Ibu Pejabat.

### 5.13 Urusetia IEM

Setiausaha Kehormat seterusnya melaporkan MAT mengenai penubuhan Urusetia IEM yang terdiri daripada 39 kakitangan. Pada masa ini, terdapat enam (6) kakitangan di peringkat Pengurusan, 24 Eksekutif dan sembilan (9) Penolong Eksekutif.

#### 5.13.1 Urusetia Yang Paling Lama Berkhidmat di IEM

Setiausaha Kehormat mengambil kesempatan untuk memaklumkan MAT bahawa terdapat beberapa kakitangan Urusetia IEM yang telah lama berkhidmat dengan IEM. Mereka adalah:

1. Ms Ooi Beng Ean	44 tahun
2. Pn. Halimah Musa	24 tahun
3. Mr. Loo Weng Soon	23 tahun
4. Pn. Norimah Md Hashim	20 tahun
5. Ms. Sarita Kaur	20 tahun
6. Ms. Janet Lim	20 tahun
7. En. Abdullah Anda	15 tahun
8. Ms. Prema Silvarajan	15 tahun
9. Pn. Ruhaida Daud	10 tahun

Beliau mengucapkan penghargaan kepada Urusetia IEM di atas sokongan dan bantuan mereka selama dua (2) tahun beliau berkhidmat sebagai Setiausaha Kehormat IEM.

Yang DiPertua mengucapkan ribuan terima kasih kepada Setiausaha Kehormat di atas pembentangan laporannya dan terus menjemput sebarang pertanyaan dari para ahli. Yang DiPertua memaklumkan hanya lima (5) soalan yang akan diterima. Para ahli diminta untuk mengklik ikon 'RAISE HAND' dan Urusetia IT akan membenarkan para ahli untuk menaip soalan. Soalan tersebut akan dipaparkan di layar sebelum sebarang jawapan/tindak balas diberikan.

Bekas Yang DiPertua, Y.Bhg. Datuk Ir. Dr. Ow Chee Sheng yang menyertai MAT dari New Zealand memberi komen bahawa sukar untuk para hadirin untuk berucap kerana MAT dijalankan menggunakan webinar. Y.Bhg. Datuk memaklumkan bahawa ada antara badan antarabangsa yang menggunakan platform "GoToMeeting" yang membolehkan para hadirin untuk berucap dan mencadangkan agar IEM mencari platform dalam talian lain yang lebih mesra pengguna. Yang DiPertua mengambil maklum akan cadangan tersebut dan bersetuju untuk mencari lebih banyak pilihan bagi tujuan mesyuarat dalam talian akan datang.

Oleh kerana tiada lagi komen atau pertanyaan lebih lanjut melalui talian dan juga dari ahli Majlis di oditorium, Y.Bhg. Dato' Ahmad Murad bin Omar (F04741) mencadangkan agar Laporan Tahunan diterima. Usul tersebut disokong oleh Ir. Haidel Heli (F22455).

## 6.0 AKAUN BAGI TAHUN BERAKHIR 31 DISEMBER 2019

Yang DiPertua seterusnya kemudian menjemput Bendahari Kehormat, Ir. Chen Harn Shean bagi membentangkan penyata kewangan untuk Institusi Jurutera, Malaysia untuk tempoh 1 Januari 2019 hingga 31 Disember 2019. Ir. Chen Harn Shean memaklumkan akaun yang dikemukakan adalah dari muka surat 157 hingga 183.

- 6.1 Bendahari Kehormat memaklumkan MAT bahawa penyata kewangan yang dibentangkan terdiri daripada tiga (3) set iaitu IEM, IEM Training Center Sdn Bhd dan IEM Academy Sdn Bhd.

Penyata kewangan tersebut tidak termasuk akaun Cawangan.

MAT dimaklumkan bahawa fokus utama pembentangan adalah akaun IEM yang boleh dirujuk pada ruangan "Institusi".

- 6.2 Bendahari Kehormat melaporkan jumlah pendapatan untuk tahun 2019 adalah sekitar RM5,014,556. Angka tersebut terdiri dari pendapatan utama (RM3,841,273), Perkhidmatan Institusi (RM428,887) dan pendapatan sewa (RM744,396). Pendapatan keseluruhan telah menurun sebanyak 2% pada tahun 2019 berbanding tahun 2018.

- 6.3 Bendahari Kehormat selanjutnya melaporkan terdapat peningkatan sebanyak 6.9% pada jumlah yuran keahlian tahunan yang dikutip iaitu 91.2% pada tahun 2019 berbanding 88.8% pada tahun 2018.

- 6.4 Bendahari Kehormat melaporkan pendapatan sewa juga meningkat sebanyak 14% serta kenaikan 39% dalam faedah simpanan tetap. Walau bagaimanapun, perkhidmatan Institusi, pungutan timbang tara dan komisen kad kredit masing-masing telah menurun sebanyak 17%, 76% dan 11% masing-masing.

- 6.5 Bendahari Kehormat seterusnya memaklumkan jumlah perbelanjaan untuk tahun 2019 adalah sebanyak RM5,170,734, penurunan sebanyak 15% berbanding tahun 2018 iaitu RM6,081,431. Penyumbang utama kepada penurunan perbelanjaan adalah dari emolumen urusetia yang menurun sebanyak 19%, aktiviti 'intersociety' (13%), perbelanjaan pentadbiran (11%), penyelenggaraan bangunan (7.2%) dan perbelanjaan kewangan (1%). Namun dilaporkan subsidi Cawangan telah meningkat sebanyak 8% berdasarkan peningkatan yuran keahlian tahunan yang telah diterima.

MAT dimaklumkan pada tahun 2020, Cawangan di Semenanjung akan diberi kenaikan subsidi dari 20% ke 30% sedangkan subsidi untuk Cawangan Malaysia Timur akan dikekalkan pada 40%. Ini adalah untuk memberi dorongan kepada Cawangan untuk memberikan perkhidmatan yang lebih baik kepada ahli di negeri masing-masing.

- 6.6 Bendahari Kehormat seterusnya melaporkan prestasi keseluruhan bagi Institusi adalah defisit sebanyak RM212,933 pada tahun 2019 berbanding RM1,021,277 untuk tahun 2018. Ini dianggap sebagai peningkatan yang besar berbanding tahun 2018.

Yang DiPertua mengucapkan terima kasih kepada Bendahari Kehormat di atas pembentangan beliau dan terus membuka ruang untuk sebarang pertanyaan dari para ahli. Ahli yang hadir di dalam talian diminta mengklik ikon "RAISE HAND" sekiranya mereka ingin mengemukakan sebarang pertanyaan.

Sementara menunggu pertanyaan diajukan, Yang DiPertua memaklumkan MAT bahawa Bekas Yang DiPertua turut hadir bersama di dalam talian dan mereka adalah Y.Bhg. Ahli Akademik Tan Sri Datuk Ir. (Dr.) Hj. Ahmad Zaidee Laidin, Y.Bhg. Datuk Ir. Dr. Ow Chee Sheng, Ir. Choo Kok Beng, Ir. Vincent Chen Kim Kieong dan Y.Bhg. Dato' Ir. Dr. Gue See Sew.

## 6.7 Sesi Soal Jawan - Akaun

- 6.7.1 Y.Bhg. Dato' Ir. Andy Seo Kian Haw (F13276) memaklumkan semasa MAT yang terdahulu, beliau telah mengemukakan pertanyaan mengenai "Trade and non-Trade Receivables" dan menyatakan bahawa kutipan telah meningkat dengan baik dibandingkan tahun lalu. Y.Bhg. Dato' kemudian mengucapkan tahniah kepada IEM di atas pencapaian ini.

Walau bagaimanapun, Y.Bhg. Dato' Ir. Andy Seo Kian Haw (F13276) memaklumkan "Trade and Non-Trade Payables" telah meningkat dua kali ganda. Ini dipetik di mukasurat 172 didalam Laporan Tahunan. Untuk tahun 2019, perkara tersebut merekodkan RM1,305,323 berbanding RM752,682 untuk tahun 2018.

Bendahari Kehormat menjelaskan peningkatan besar tersebut disebabkan oleh pendapatan dan perbelanjaan WTC2020 yang hanya dapat di ambilkira dalam akaun pada tahun 2020. Ini disebabkan persidangan tersebut akan diadakan pada tahun 2020. Y.Bhg. Dato' Ir. Andy Seo Kian Haw (F13276) mencadangkan agar perinciannya direkodkan.

Yang DiPertua juga memaklumkan pada tahun 2019, terdapat peningkatan kutipan tunggakan yuran tahunan yang berjumlah RM448,789 berbanding tahun sebelumnya iaitu RM372,050. Walau bagaimanapun, MAT dimaklumkan pendapatan dari aktiviti telah berkurangan dan berharap lebih banyak acara akan dianjurkan pada tahun 2021.

- 6.7.2 Ir. Loo Chee Kin (M15863) mengajukan soalan mengenai penurunan pendapatan dari Bahagian Teknikal (TD) di mukasurat 178. Beliau bertanya tentang tindakan yang akan diambil oleh IEM untuk meningkatkan publisiti untuk aktiviti yang dianjurkan oleh TD dan Kumpulan Minat Khas (SIG). Ir. Loo Chee Kin (M15863) juga menyarankan agar IEM mengadakan lebih banyak Memorandum Persefahaman (MoU) dengan organisasi lain.

Yang DiPertua mengucapkan terima kasih kepada Ir. Loo dan memberitahu IEM akan terus meningkatkan aktiviti yang diatur termasuk menjalankan aktiviti melalui platform dalam talian.

- 6.7.3 Ir. Sivalingam a/l Velupillai (F09546) bertanya tentang perbezaan antara emolumen kakitangan dan perbelanjaan pentadbiran. Yang DiPertua menjelaskan emolumen kakitangan adalah gaji pekerja yang merupakan sebahagian daripada perbelanjaan seperti yang dinyatakan di mukasurat 174. Yang DiPertua memaklumkan emolumen pekerja telah menurun sebanyak 19% berbanding tahun lalu.

Oleh kerana tiada lagi pertanyaan lanjut dari dalam talian dan juga di oditorium, Y.Bhg. Ahli Akademik Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik's (HF09157) mencadangkan Penyata Kewangan untuk IEM untuk tahun berakhir 31 Disember 2019 diterima. Usul tersebut disokong oleh Ir. Mohd Aman bin Hj. Idris (F02176). MAT seterusnya menerima Laporan Kewangan tersebut.

## 7.0 LAPORAN KEWANGAN DANA PENDIDIKAN – 31 DECEMBER 2018

Bendahari Kehormat kemudian melaporkan Penyata Kewangan Dana Pendidikan untuk tahun yang berakhir pada 31 Disember 2019 dari mukasurat 194 hingga 204.

- 7.1 MAT dimaklumkan sumbangan yang diterima adalah berjumlah RM113,123 pada tahun 2019 berbanding RM49,810 pada tahun 2018. Ini disebabkan sumbangan sebanyak RM50,000 oleh Bahagian Teknikal Kejuruteraan Geoteknik untuk menubuhkan Basiswa Peringatan TT Chiam.

- 7.2 Faedah Deposit Tetap yang diperolehi pada tahun 2019 adalah RM48,682 dengan sedikit peningkatan berbanding tahun 2018 iaitu RM43,234.

- 7.3 Bendahari Kehormat selanjutnya melaporkan biasiswa yang diberikan pada tahun 2019 adalah RM42,000. Beliau seterusnya memaklumkan MAT bahawa biasiswa Yang DiPertua bersama dengan Basiswa Peringatan Tan Sri Prof. Chin Fung Kee dan Basiswa Ir. Thean Lip Thong telahpun diiklankan.

Bendahari Kehormat memaklumkan MAT bahawa Basiswa Ir.Thean Lip Thong adalah untuk pelajar dari Universiti Malaya sedangkan Basiswa Peringatan Tan Sri Prof. Chin Fung Kee adalah untuk universiti lain.

- 7.4 Bendahari Kehormat selanjutnya melaporkan defisit keseluruhan adalah RM20,721 berbanding RM60,198 pada tahun 2018. Ini mematuhi Peraturan Perbelanjaan 50% Lembaga Hasil Dalam Negeri (LHDN) untuk Akaun Pengecualian Cukai.

- 7.5 Ir. Simon Yeong Chin Chow (F18660) mengulas tiada angka yang dinyatakan di bawah item "Non-trade receivables" untuk tahun 2019 di mukasurat 194. Bendahari Kehormat menyatakan ia kesalahan yang dibuat oleh juruaudit dan akan diperbaiki. Perkara tersebut telah dijelaskan oleh Y.Bhg. Dato' Ir. Andy Seo Kian Haw (F13276). Beliau menyatakan bahawa terdapat angka pada perkara tersebut di mukasurat 195. MAT dimaklumkan juruaudit tersebut akan digantikan dengan juruaudit yang baharu.

7.6 Ir. Simon Yeong Chin Chow (F18660) juga bertanya mengenai apakah jenis aktiviti IEM yang dinyatakan di bawah tajuk perbelanjaan untuk tahun 2019 yang berjumlah RM86,445. Bendahari Kehormat memaklumkan aktiviti tersebut merangkumi seminar dan kursus. Cawangan juga boleh membuat permohonan kepada Ibu Pejabat sekiranya mereka memerlukan peruntukan dari Dana Pendidikan. Y.Bhg. Ahli Akademik Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik's (HF09157) bagaimanapun mengingatkan MAT bahawa ia adalah peruntukan dari Tabung Pendidikan dan sebarang permintaan harus berkaitan dengan pendidikan seperti menyokong pelajar kejuruteraan.

7.7 Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah (HF01691) mengajukan soalan bagaimana IEM menangani sumbangan sebanyak RM50,000 yang disumbangkan oleh Bahagian Teknikal Kejuruteraan Geoteknik kerana IEM harus mematuhi garis panduan pengecualian cukai di mana sebanyak 50% daripada sumbangan yang diterima perlu digunakan pada tahun seterusnya.

Timbalan Yang DiPertua, Ir. Ong Ching Loon (F11938) menjelaskan untuk mematuhi pengecualian cukai, IEM harus memastikan bahawa wang tersebut akan dibelanjakan untuk aktiviti yang berkaitan dengan pendidikan.

7.8 Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah (HF01691) mencadangkan agar IEM berbincang dengan LHDN kerana ini adalah dana pusingan. Sekiranya IEM membelanjakan kurang dari 50% dalam tahun berikutnya, apakah akibatnya dan adakah LHDN mempunyai peruntukan mengenai hal ini.

Merujuk kepada soalan yang diajukan oleh Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah (HF01691), Y.Bhg. Ahli Akademik Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik (HF09157) menekankan bahawa 50% yang perlu dibelanjakan adalah untuk sumbangan yang diterima pada tahun sebelumnya. Yang DiPertua juga memaklumkan IEM menerima sumbangan menjelang akhir tahun dan 50% wang tidak dapat dibelanjakan.

Oleh kerana tiada lagi pertanyaan dari para ahli, Ir. Dr. Tan Chee Fai (F18343) mencadangkan Penyata Kewangan Tabung Pendidikan untuk tahun berakhir 31 Disember 2019 diterima dan usul tersebut disokong oleh Ir. Sreedaran a/ Raman (M38681). MAT kemudian menerima Penyata Kewangan Tabung Pendidikan.

## 8.0 CADANGAN PINDAAN KEPADA PERLEMBAGAAN DAN UNDANG-UNDANG

Yang DiPertua memaklumkan MAT cadangan pindaan tersebut dibentangkan pada muka surat 6 hingga 8. Yang DiPertua selanjutnya menerangkan persetujuan pindaan oleh MAT akan dilakukan melalui "e-voting". Ahli diminta untuk memastikan bahawa mereka mempunyai ID Pengguna dan Kata Laluan sewaktu menerima SMS.

Yang DiPertua kemudian menjemput Ir. Lai Sze Ching untuk membaca satu persatu artikel yang mana semua komen telah dibahaskan semasa MAT yang lepas. Artikel berikut adalah :

### 8.1 **KEAHLIAN ARTIKEL II**

#### Artikel 2.2

*Pindaan adalah mengenai pertukaran nama dari "Companion" kepada Ahli "Senior Graduate" dan memasukkan empat (4) gred keahlian baru:*

- (ea) Ahli Teknologi Kejuruteraan*
- (eb) Ahli Siswazah Teknologi Kejuruteraan*
- (ec) Ahli Juruteknik Kejuruteraan*
- (ed) Ahli Siswazah Juruteknik Kejuruteraan*

### 8.2 Artikel 205

*Pindaan perlu dilakukan untuk keahlian baru yang disebutkan di atas:*

- Ahli Siswazah Senior S.Grad.I.E.M.*
- Ahli Teknologi Kejuruteraan E.T.I.E.M.*
- Ahli Siswazah Teknologi Kejuruteraan Grad. E.T.I.E.M.*
- Ahli Juruteknik Kejuruteraan E.Tn.I.E.M.*
- Ahli Siswazah Juruteknik Kejuruteraan Grad. E.Tn.I.E.M.*

### 8.3 Artikel 2.14

*Pindaan tersebut adalah untuk menukar nama gred keahlian dari "Companion" ke Ahli "Senior Graduate". Sebagai tambahan, Artikel baru berikut telah disisipkan:*

#### *2.15A Ahli Teknologi Kejuruteraan*

*Seseorang yang mempunyai pencapaian pendidikan dan latihan amali yang selaras dengan keperluan dalam Perlembagaan dan Undang-undang Kecil Institusi*

### 2.15B Ahli Siswazah Teknologi Kejuruteraan

Ahli Siswazah Teknologi Kejuruteraan adalah seseorang yang dari segi umur, pencapaian pendidikan dan latihan amali, mematuhi keperluan dalam Perlembagaan dan Undang-undang Kecil Institusi

### 2.15C Ahli Juruteknik Kejuruteraan 2.15C

Ahli Juruteknik Kejuruteraan adalah seseorang yang mempunyai pencapaian pendidikan dan Latihan amali yang selaras dengan keperluan dalam Perlembagaan dan Undang-undang Kecil Institusi

### 2.15D Ahli Siswazah Juruteknik Kejuruteraan

Ahli Siswazah Juruteknik Kejuruteraan adalah seseorang yang dari segi umur, pencapaian pendidikan dan latihan amali, mematuhi keperluan dalam Perlembagaan dan Undang-undang Kecil Institusi

## 8.4 ARTIKEL IV PUNCA PENDAPATAN

### Artikel 4.1 - Bayaran dan Yuran Pindahan

Pindaan tersebut dilakukan terhadap pertukaran nama dari "Companion" menjadi Ahli "Senior Graduate".

Yuran berikut adalah:

- (i) mereka yang telah menjadi "Associate Member" sekurang-kurangnya satu (1) tahun, dan yang memohon untuk berpindah ke gred keahlian dalam satu (1) tahun setelah memperoleh kelayakan yang diperlukan untuk masuk ke gred tersebut. **RM50.00**
- (ii) yang tidak memenuhi syarat di (cd) (i) di atas. **RM80.00**

## 8.5 Artikel 4.2 Langganan Tahunan

### Artikel 4.2.1

MAT dimaklumkan mengenai pertukaran nama untuk "Companion" menjadi Ahli "Senior Graduate". Sebagai tambahan, empat (4) sub bahagian baru telah dimasukkan di bawah Ahli Siswazah dengan yuran masing-masing seperti berikut :

Ahli Teknologi Kejuruteraan	RM155.00
Ahli Siswazah Teknologi Kejuruteraan, yang telah mencapai usia 30 tahun belum mencapai usia 30 tahun	RM155.00 RM100.00
Ahli Juruteknik Kejuruteraan	RM155.00
Ahli Siswazah Juruteknik Kejuruteraan, yang telah mencapai usia 30 tahun belum mencapai usia 30 tahun	RM155.00 RM100.00

## 8.6 Artikel 4.4 – Aktiviti Ekonomi

MAT dimaklumkan perkataan tambahan telah disisipkan (dalam huruf miring dan tebal) seperti berikut:

"Institusi ini dibenarkan untuk terlibat dalam kegiatan ekonomi seperti menjual, membeli, melabur, menyewa, memiliki aset alih atau tetap serta aktiviti ekonomi lain seperti menubuhkan syarikat di bawah Akta Syarikat 2016, **menjalankan atau menganjurkan aktiviti latihan bersama sebagai pusat latihan, pameran, persidangan dll.**

## 8.7 Artikel 5.1

MAT dimaklumkan pindaan seperti berikut:

- k) Lima (5) Ahli "Senior Graduate" atau Ahli Siswazah, seperti yang dinyatakan dalam Undang-undang Kecil,
- l) Seorang (1) Ahli Wanita seperti yang ditetapkan dalam Undang-undang Kecil,
- m) Seorang (1) Ahli Teknologi Kejuruteraan, sebagaimana ditentukan dalam Undang-Undang Kecil,
- n) Seorang (1) Ahli Juruteknik Kejuruteraan, seperti yang ditentukan dalam Undang-undang Kecil.

8.8 Artikel 5.2

MAT dimaklumkan tiada pindaan pada artikel tersebut kecuali untuk menyelaraskan nombor artikel tersebut:

(b) Naib Yang DiPertua akan memegang jawatan selama dua (2) penggal dan boleh dipilih semula tetapi tidak boleh memegang jawatan lebih dari dua (2) penggal berturut-turut.

(b) (a) Setiausaha Kehormat dan Bendahari Kehormat akan memegang jawatan selama satu (1) penggal. Mereka mungkin dipilih semula, tetapi mungkin tidak memegang jawatan lebih dari dua (2) penggal berturut-turut.

(c) *Seorang Ahli Majlis akan memegang jawatan....*

(c) *Ketua setiap Cawangan Institusi....*

8.9 Artikel 5.4

MAT dimaklumkan mengenai penyisipan item nombor 5.1 (m) dan 5.1 (n) serta mengeluarkan perkataan “dan” pada Artikel 5.4 tersebut sebagai berikut:

*Naib Yang DiPertua, Setiausaha Kehormat dan Bendahari Kehormat dan Ahli Majlis kecuali yang di bawah Artikel 5.1 (k), dan 5.1 (l), 5.1 (m) dan 5.1 (n), akan dipilih dari kalangan Ahli Korporat melalui undian rahsia yang termaktub dalam Perlembagaan dan Undang-undang kecil serta Peraturan di bawahnya.*

*Ahli-ahli Majlis di bawah Artikel 5.1 (k), dan 5.1 (l), 5.1 (m) dan 5.1 (n), harus dilantik dengan cara yang ditentukan dalam Undang-undang kecil.*

8.10 Artikel 5.7

***Timbalan Yang DiPertua hanya akan dipilih oleh Ahli Korporat dikalangan Ahli Majlis yang telah atau pernah berkhidmat sebagai Naib Yang DiPertua.***

8.11 Artikel 5.11

*Penyisipan perenggan baru setelah perenggan pertama adalah seperti berikut:*

***Di dalam Artikel, “Pegawai” bermaksud anggota Majlis atau Jawatankuasa Eksekutif atau Jawatankuasa Tetap.***

8.12 Artikel 5.14

MAT dimaklumkan mengenai pindaan perkara berikut:

*h) Seorang (1) “Companion” Ahli “Senior Graduate” atau Ahli Siswazah yang dilantik oleh Jawatankuasa Cawangan*

*i) Seorang (1) Ahli Teknologi Kejuruteraan yang dilantik oleh Jawatankuasa Cawangan*

*j) Seorang (1) Ahli Juruteknik Kejuruteraan yang dilantik oleh Jawatankuasa Cawangan*

8.13 ARTIKEL X TAKSIRANArtikel 10.9

MAT maklum di atas pertukaran nama pada gred keahlian untuk “Companion” serta empat (4) gred baru seperti berikut:

“Ahli Bukan Korporat” bermaksud Felo Terhormat, Felo Kehormat dan Ahli Kehormat yang bukan jurutera dan Ahli Siswazah, Ahli “Senior Graduate”, Ahli Teknologi Kejuruteraan, Ahli Siswazah Teknologi Kejuruteraan, Ahli Juruteknik Kejuruteraan, Ahli Siswazah Juruteknik Kejuruteraan, Ahli yang Diperbadankan, Ahli Gabungan, Ahli Bersekutu atau Ahli Pelajar.

Secara kesimpulannya, Ir. Lai Sze Ching memaklumkan MAT tiada pindaan besar berlaku hanya terdapat perubahan kecil terutamanya penamaan semula gred keahlian “Companion” kepada Ahli “Senior Graduate” dan memasukkan empat (4) gred keahlian baharu.

Yang DiPertua setelah mendapat persetujuan MAT memaklumkan pindaan yang dicadangkan juga akan melalui proses undian melalui pos dimana majoriti 2/3 diperlukan sebagai persetujuan terhadap pindaan artikel tersebut.

## 8.14 Sesi Soalan - Pindaan Perlembagaan

Yang DiPertua seterusnya membuka sesi pertanyaan dari para ahli mengenai pindaan sebelum meneruskan proses pengundian.

- 8.14.1 Ir. Gunasagaran a/l Kristnan (F08216) memberi komen Artikel 2.2, 2.5 dan 2.14 dan merujuk pada Artikel 4.1, beliau merasakan perkataan “.....Ahli Bukan Korporat dalam apa-apa gred.....” adalah bertentangan. Beliau selanjutnya mengulas terdapat tiga belas (13) gred keahlian secara keseluruhan tetapi hanya sembilan (9) gred keahlian yang boleh dikira sebagai keahlian bukan korporat.

Ir. Lai Sze Ching (F04687) menjelaskan tiada pindaan yang dibuat pada Artikel 4.1 kerana ia adalah Artikel yang sedia ada. Beliau menjelaskan bahawa hanya bayaran kemasukan yang disisipkan. Beliau seterusnya mencadangkan sekiranya Ir. Gunasagaran Kristnan ingin mengulas lebih lanjut mengenai Artikel tersebut, beliau boleh berbuat demikian semasa pindaan Perlembagaan IEM yang seterusnya. Yang DiPertua memaklumkan bahawa pindaan ini telah disetujui oleh Majlis.

- 8.14.2 Ir. Cader Mohideen Mohamed Aboobucker (M13942) seterusnya dijemput untuk mengemukakan soalnya kepada MAT.

- 8.14.2.1 *i) Mengapa perlu meminda Perlembagaan?*

Yang DiPertua menjelaskan pindaan itu dilakukan kerana IEM ingin memasukkan beberapa kategori keahlian baru dan juga menyelesaikan beberapa artikel untuk lebih jelas.

- 8.14.2.2 *ii) Dengan pengenalan empat (4) gred keahlian baru ini, ia merupakan keperluan bagi IEM untuk mempromosi keahlian tersebut dan memberi faedah bagi kumpulan ahli tersebut.*

Ir. Cader Mohideen Mohamed Aboobucker (M13942) mengulas terdapat Institusi lain juga memenuhi keperluan kumpulan ini dan menyarankan agar IEM dapat bekerjasama dengan mereka berbanding dengan kemasukan kumpulan-kumpulan ini untuk menyertai IEM.

Yang DiPertua menjelaskan terdapat tiga (3) Institusi yang mempunyai gred sedemikian iaitu Lembaga Teknologi Malaysia (MBOT), Persatuan Kejuruteraan dan Teknologi Malaysia (MySet) dan IEM. MAT dimaklumkan IEM telah memilih untuk memperkenalkan gred keahlian baru agar lebih inklusif apatah lagi IEM kini sedang berusaha untuk menyediakan jalan bagi para teknologi untuk menjadi jurutera. Di samping itu, IEM perlu memandang ke hadapan kerana akan ada lebih ramai teknologis dan juruteknik yang graduat pada masa akan datang. Ini bagi membolehkan IEM merangkumi keseluruhan industri kejuruteraan.

- 8.14.2.3 *iii) Kesalahan tatabahasa dalam Artikel yang perlu diperbetulkan*

Yang DiPertua bersetuju terdapat kesalahan yang perlu diperbaiki sebelum dihantar pada ROS.

- 8.14.2.4 *i) Gelaran harus diberikan kepada Ahli sahaja dan bukan gred keahlian yang lain*  
*ii) Singkatannya harus tanpa tanda titik misalnya; Ahli Kanan SMIEM dan bukan S.M.I.E.M seperti yang dinyatakan dalam Perlembagaan*

Yang DiPertua menjelaskan tiada perubahan pada singkatan nama dalam Perlembagaan. Sekiranya Ir. Cader Mohideen Mohamed Aboobucker (M13942) ingin membuat perubahan, beliau perlu menulis dan mencadangkan kepada IEM untuk mengubah artikel tersebut dalam Perlembagaan.

Y.Bhg. Ahli Akademik Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik's (HF09157) mengulangi penjelasan dari Yang DiPertua bahawa pindaan tersebut telah disetujui secara prinsip pada MAT yang lepas. Pada MAT yang lalu, Majlis dan Jawatankuasa Eksekutif telah diminta untuk meneliti perkataan-perkataan dalam pemindahan tersebut sahaja. MAT bersetuju untuk menerima perkataan tersebut dan seterusnya memilih untuk meminda Perlembagaan.

Yang DiPertua kemudian membaca soalan yang diajukan oleh Ir. Cader Mohideen Mohamed Aboobucker (M13942) seperti berikut:

- 8.14.2.5 *Apakah perbezaan antara 2.15B dan 2.15D?*

Yang DiPertua memaklumkan untuk 2.15B, mereka adalah lepasan program teknologi kejuruteraan sedangkan untuk 2.15D, mereka adalah lepasan program diploma kejuruteraan.

- 8.14.2.6 Ir. Dr. Tan Yean Chin (F11712) menambah disebabkan pindaan tersebut telah dipersetujui secara prinsip pada MAT yang lepas, Majlis dan Jawatankuasa Eksekutif telah meminda dengan wajarnya. Beliau juga menyarankan MAT agar meneruskan dengan proses pengundian. Beliau turut menyarankan sekiranya ada ahli yang ingin memilih untuk menentang pindaan tersebut, ahli tersebut mempunyai kebebasan melakukannya semasa proses pengundian.

Yang DiPertua juga bersetuju dengan cadangan Ir. Dr. Tan Yean Chin (F11712) untuk meneruskan proses pengundian.

- 8.14.2.7 *Walau bagaimanapun, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah (HF01691) menyarankan ada keperluan untuk melihat penguasaan bahasa Inggeris atau kesalahan tatabahasa seperti yang ditunjukkan sebelumnya oleh Ir. Cader Mohideen Mohamed Aboobucker (M13942). MAT mencatat kesilapan untuk Artikel 4.1 (b) (ii) (i) sepatutnya adalah "... yang pernah menjadi Ahli Bersekutu....".*

MAT menyatakan ia akan diperbaiki sebelum pindaan tersebut dihantar untuk proses pengundian melalui pos.

Seterusnya Pengerusi Majlis memberi penjelasan langkah demi langkah untuk pelaksanaan "e-voting" melalui telefon bimbit. 25 minit akan diperuntukkan untuk pelaksanaan pengundian ini.

Sementara menunggu hasil "e-voting" pindaan Perlembagaan, Yang DiPertua menjawab pertanyaan yang diajukan oleh ahli lain:

- 8.14.2.8 Ir. Gan Ting Wei (M16465) mencadangkan untuk mengadakan ceramah secara fizikal untuk menggantikan ceramah secara atas talian.

Yang DiPertua menyatakan IEM akan terus mengatur lebih banyak webinar secara atas talian untuk kepentingan para ahli. Beliau juga memberitahu mungkin ada sebilangan penceramah yang tidak selesa untuk menyampaikan ceramah melalui webinar. Untuk kes seperti itu, IEM akan berusaha meminta persetujuan mereka agar rakaman tersebut dimainkan secara dalam talian atau dihantar kepada Cawangan untuk mereka mengatur aktiviti yang sama tanpa penceramah perlu hadir secara langsung. Seorang pengantara akan dilantik oleh Cawangan untuk menangani sesi soal jawab sekiranya ada.

- 8.14.2.9 Ir. S. Jagathisen (M05107) bertanya bagaimana Ahli Korporat yang telah bersara dapat memberi perkhidmatan kepada Institusi. Beliau selanjutnya memberitahu beliau ada mengajukan pertanyaan yang sama dua (2) tahun yang lalu namun tidak mendapat jawapan.

Yang DiPertua memaklumkan bahawa ahli yang telah bersara boleh menjadi sukarelawan untuk berkhidmat di Bahagian Teknikal IEM. Jika terdapat masalah teknikal atau masalah dari organisasi luar, ia akan merujuk Bahagian Teknikal yang bersesuaian. Di samping itu juga ahli yang telah bersara boleh menjadi sukarelawan untuk memberi ceramah mengenai bidang kepakaran mereka untuk kepentingan ahli yang lain terutamanya jurutera muda. Ini dapat dilakukan sekiranya mereka berkhidmat di Bahagian Teknikal.

- 8.14.2.10 *Ling Yang Ming (M78075)*

*Adakah IEM akan mempertimbangkan untuk mengadakan seminar atau mesyuarat secara maya selepas PKP? Saya menyesyorkan inovatif ini diteruskan. Saya berharap agar dipertimbangkan untuk mewujudkan Aplikasi IEM untuk perkhidmatan yang lebih baik.*

Yang DiPertua memberitahu Bahagian Teknikal IEM sedang merancang beberapa seminar untuk diatur secara maya dan para ahli akan dimaklumkan. Di samping itu, IEM sedang berusaha menghasilkan Aplikasi Mudah Alih sebelum PKP dan perbincangan sedang dijalankan dengan pembekal. Yang DiPertua selanjutnya memberitahu lebih banyak maklumat mengenai Aplikasi Mudah Alih IEM akan dibentangkan dalam ucapan Yang DiPertua akan datang.

- 8.14.2.11 *Mohd Khairul Anwar bin Mohd Hatta (M102455)*

*Melihat kepada keadaan ekonomi pasca Covid-19, apakah strategi utama yang perlu digunapakai oleh syarikat kejuruteraan / pembinaan untuk terus berdaya saing dalam pasaran yang sentiasa berkembang dan mencabar?*

Yang DiPertua menyatakan sebagai seorang jurutera yang serba boleh terserah kepada mereka untuk memutuskan apa yang terbaik pada masa yang mencabar ini.

- 8.14.2.12 *Chan Khung Leong (G22094)*

*Bolehkah sekiranya saya menambahkan "Ts. dan P.Tech (Teknologis Profesional) yang diberikan oleh Lembaga Ahli Teknologi Malaysia ke direktori IEM? Terima kasih.*

Yang DiPertua memaklumkan ahli boleh menulis surat ke Ibu Pejabat IEM dan memberikan dokumen yang lengkap sebagai bukti untuk menambahkan gelaran "Ts" ke dalam pangkalan data IEM.

- 8.14.2.13 *Ooi Zi Xun (M45549)*

*Apakah sumbangan / cadangan IEM kepada kerajaan mengenai pemulihan PKP untuk syarikat perundingan kejuruteraan dan industri pembinaan?*

Yang DiPertua memaklumkan isu ini telah dibentangkan oleh Setiausaha Kehormat di dalam pembentangnya sebentar tadi.

8.14.2.14 *Hazlee Azil Illias (M52562)*

*Visi IEM - "Institusi Jurutera, Malaysia bertujuan untuk menjadi organisasi profesional yang utama dan terpenting bagi Malaysia untuk mencapai Wawasan 2020." Namun, sekarang sudah menjelang tahun 2020. IEM harus mengkaji semula untuk melihat sama ada mencapai visinya ataupun tidak.*

Yang DiPertua memaklumkan untuk Sesi 2020/2021 yang baru, IEM akan mengkaji semula Pelan Strategiknya dan akan membuat rumusan samada IEM telah mencapai misi tersebut mahupun tidak.

Beliau menjelaskan dengan lebih lanjut bahawa IEM telah beralih ke Visi baru seperti yang dipaparkan di mukasurat 3 Laporan Tahunan.

8.14.2.15 *Ho Choon Kwang William (M17178)*

*i) Bagaimana sistem pengundian bagi ahli yang hadir?*

Yang DiPertua memaklumkan seperti yang ditunjukkan dalam e-mel kepada ahli, SMS akan dihantar kepada semua ahli yang menghadiri MAT. Pautan akan diberikan kepada ahli untuk masuk ke laman web di mana ahli perlu log masuk untuk mengundi. Kod sekuriti juga akan diberikan di dalam SMS. Ahli hanya perlu memasukkan kod sekuriti dan kemudian membuat undian.

*ii) Adakah CPD diberikan untuk kehadiran penuh?*

CPD untuk kehadiran AGM adalah 2.

*iii) Bagaimana dengan makan malam tahunan?*

Yang DiPertua memberitahu memandangkan pandemic Covid-19, Majlis Makan Malam Tahunan IEM untuk tahun 2020 telah dibatalkan.

8.14.2.16 Yang DiPertua kemudian membacakan soalan tambahan yang diterima dari seorang ahli mengenai pindaan Peraturan Cawangan. Yang DiPertua memaklumkan pindaan terhadap Peraturan Cawangan telah diperbaiki dan akan dihantar ke Cawangan masing-masing.

8.14.2.17 *Ir. Cader Mohideen Mohamed Aboobucker (M13942) juga mengulas pernyataan Misi dan Visi. Beliau selanjutnya mengatakan pernyataan itu sangat umum dan menyoal bagaimana Jawatankuasa Tetap mentafsirkan misi dan objektif ini bagi mencapai kemajuan.*

Yang Dipertua memaklumkan Yang DiPertua yang bakal dilantik ini akan membentuk sebuah Jawatankuasa untuk mengkaji peningkatan Pelan Strategik Institusi.

Keputusan dari "e-voting" adalah seperti berikut:

Artikel	Bersetuju	Tidak Bersetuju	Berkecuai
2.2	74.09%	20.73%	5.18%
2.5	72.54%	21.76%	5.70%
2.14	74.09%	21.24%	4.66%
4.1	77.72%	17.10%	5.18%
4.2.1	70.98%	23.32%	5.70%
4.4	86.01%	9.84%	4.15%
5.1	72.54%	20.21%	7.25%
5.2	80.31%	12.44%	7.25%
5.4	78.24%	11.92%	9.84%
5.7	74.61%	17.10%	8.29%
5.11	82.38%	11.92%	5.70%
5.14	71.50%	20.73%	7.77%
10.9	73.06%	18.13%	8.81%

Keputusan "e-voting" menunjukkan secara umum lebih dari 70% telah memilih untuk menyokong pindaan tersebut. Disimpulkan bahawa pindaan tersebut telah disetujui oleh MAT. Yang DiPertua kemudian memberitahu MAT terdapat satu lagi pengundian akan dilakukan oleh semua ahli Korporat untuk mematuhi peraturan Perlembagaan IEM sebelum pindaan dapat diserahkan kepada ROS.

Yang DiPertua kemudian mengucapkan terima kasih kepada para ahli kerana mengundi untuk pindaan tersebut.

## 9.0 PENGUMUMAN KEPUTUSAN PILIHAN UNTUK SESI MAJLIS 2020/2021

Yang DiPertua kemudian menjemput Pegawai Pemilihan, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah untuk mengumumkan keputusan pemilihan untuk sesi 2020/2021. Sebelum mengumumkan keputusan, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah meminta MAT untuk bertafakur selama satu minit bagi mengenang mendiang Y.Bhg. Dato' Pang Leong Hoon yang meninggal dunia pada bulan Julai 2019.

Setelah selesai bertafakur, Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah terus memberi penghormatan kepada mendiang Y.Bhg. Dato' Pang Leong Hoon yang pertama kali dilantik sebagai Pegawai Pemilihan untuk pemilihan Majlis 1994/95 dan telah berkhidmat untuk 25 penggal yang merangkumi 40% daripada sejarah 61 tahun IEM.

Pembentangan keputusan pemilihan oleh mendiang Dato' Ir. Pang Leong Hoon menjadi salah satu segmen MAT yang dinanti oleh semua ahli dan pastinya mendiang akan dirindui.

### 9.1 Yang DiPertua

Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah memaklumkan MAT, Ir. Ong Ching Loon, Yang DiPertua baharu akan mengambil alih jawatan Yang DiPertua dari Ir. David Lai Kong Phooi mengikut Seksyen 5.2 Peraturan IEM.

### 9.2 Timbalan Yang DiPertua

Pegawai Pemilihan memberitahu MAT pencalonan untuk jawatan Timbalan Presiden telah ditutup pada 31 Oktober 2019 dan enam (6) pencalonan yang sah telah diterima. Kertas undi telah dihantar kepada semua Anggota Majlis pada 8 November 2019 dan pengundian ditutup pada 21 Disember 2019.

MAT dimaklumkan Ir. Prof. Dr. Norlida binti Bunyamin menerima bilangan undi tertinggi dan terpilih sebagai Timbalan Presiden Institusi mengikut Peraturan 5.3.

### 9.3 Jawatan Kosong Majlis Sesi 2020/2021

Pegawai Pemilihan seterusnya memberitahu MAT kekosongan Majlis seperti berikut:

- *Naib Yang DiPertua - 3 kekosongan untuk 2 sesi*
  - *Setiausaha Kehormat - 1 kekosongan untuk 1 sesi*
  - *Bendahari Kehormat - 1 kekosongan untuk 1 sesi*
- Ahli Majlis*
- *Perwakilan Awam dengan 1 kekosongan untuk 3 sesi*
  - *Perwakilan Elektrik dengan 1 kekosongan untuk 3 sesi*
  - *Perwakilan Mekanikal dengan 1 kekosongan untuk 3 sesi*
  - *Wakil Struktural dengan 1 kekosongan untuk 3 sesi*
  - *Wakil Multimedia dengan 1 kekosongan untuk 3 sesi*
- Ahli Majlis - Wakil Biasa*
- *6 kekosongan untuk 3 sesi*

### 9.4. Naib Yang DiPertua, Setiausaha Kehormat, Bendahari Kehormat dan Lain-lain

Pegawai Pemilihan memaklumkan MAT jawatan berikut tidak memerlukan pengundian kerana hanya ada satu calon.

#### 9.4.1 Bendahari Kehormat (Satu (1) kekosongan untuk sesi 2020/2021)

Ir. Chen Harn Shean menang tanpa bertanding selaku Bendahari Kehormat untuk satu (1) Sesi 2020/2021.

#### 9.4.2 Ahli Majlis - Perwakilan Awam (Satu (1) kekosongan untuk 3 sesi, 2020/2021, 2021/2022, 2022/2023)

Ir. Yap Soon Hoe dipilih tanpa bertanding sebagai Ahli Majlis - Perwakilan Awam untuk tiga (3) Sesi 2020/2021, 2021/2022, 2022/2023.

#### 9.4.3 Ahli Majlis - Perwakilan Elektrik (Satu (1) kekosongan untuk 3 sesi, 2020/2021, 2021/2022, 2022/2023)

Pegawai Pemilihan memaklumkan MAT tiada pencalonan yang diterima untuk Ahli Majlis - Wakil Elektrik. Sehubungan dengan itu, di bawah Peraturan Seksyen 5.11, Mesyuarat Majlis ke-420 memutuskan untuk mencalonkan Ahli berikut:

***Ir. Francis Xavier Jacob sebagai Wakil Elektrik.***

9.4.4 **Ahli Majlis - Wakil Multimedia (Satu (1) kekosongan untuk 3 sesi, 2020/2021, 2021/2022, 2022/2023)**

Ir. Jeewa a/l Vengadasalam dipilih tanpa bertanding sebagai Ali Majlis - Wakil Multimedia untuk tiga (3) Sesi untuk 2020/2021, 2021/2022, 2022/2023.

9.4.5 **Pegawai Pemilihan kemudian memberitahu MAT pengundian diperlukan untuk jawatan seperti di bawah:**

- a) *Naib Yang DiPertua - 7 calon*
- b) *Setiausaha Kehormat - 2 calon*
- c) *Ahli Majlis - Wakil Struktural - 2 calon*
- d) *Ahli Majlis - Wakil Mekanikal - 2 calon*
- e) *Ahli Majlis - Wakil Biasa - 13 calon*

Dimaklumkan jumlah kertas undi yang dihantar adalah 12,033. Jumlah kertas undi yang diterima adalah 1,657 berbanding 1,711 pada tahun 2019. Pengiraan undi dilakukan pada 16 Jun 2020 jam 10.20 pagi di Wisma IEM dan selesai pada 1.15 tengah hari.

9.4.6 **Naib Yang DiPertua (Tiga (3) kekosongan untuk 2 sesi 2020/2021 dan 2021/2022)**

Tiga (3) calon berikut dengan jumlah undian tertinggi dipilih untuk jawatan Naib Yang DiPertua bagi sesi 2020/2021 dan 2021/2022.

- i) *Ir. Prof. Dr. Leong Wai Yie*
- ii) *Ir. Mohd Khir bin Muhammad*
- iii) *Ir. Dr. Ruslan bin Hassan*

9.4.7 **Setiausaha Kehormat (Satu (1) kekosongan untuk sesi 2020/2021)**

Terdapat dua (2) pencalonan yang diterima untuk satu (1) kekosongan. Ir. Dr. David Chuah Joon Huang mendapat jumlah undian yang lebih tinggi dan dipilih sebagai Setiausaha Kehormat untuk sesi 2020/2021.

9.4.8 **Ahli Majlis - Wakil Struktur (Satu (1) kekosongan untuk 3 sesi, 2020/2021, 2021/2022, 2022/2023)**

MAT dimaklumkan terdapat dua (2) pencalonan yang diterima untuk satu (1) kekosongan jawatan.

Calonnya iaitu Ir. Gunasagaran a/l Kristnan memperolehi jumlah undi yang lebih tinggi dan dipilih menjadi Ahli Majlis Majlis - Wakil Struktur untuk sesi 2020/2021, 2021/2022, 2022/2023.

9.4.9 **Ahli Majlis - Perwakilan Mekanikal (Satu (1) kekosongan untuk 3 sesi, 2020/2021, 2021/2022, 2022/2023)**

MAT dimaklumkan terdapat dua (2) pencalonan yang diterima untuk satu (1) kekosongan. Calonnya iaitu Ir. Dr. Aidil bin Chee Tahir mendapat jumlah undi yang lebih tinggi dan dipilih sebagai Ahli Majlis - Wakil Mekanikal untuk sesi 2020/2021, 2021/2022, 2022/2023.

9.4.10 **Ahli Majlis - Wakil Biasa (Enam (6) kekosongan untuk 3 sesi, 2020/2021, 2021/2022 dan 2022/2023)**

Pegawai Pemilihan terus melaporkan terdapat tiga belas (13) pencalonan yang diterima dan enam (6) calon berikut dengan jumlah undian tertinggi dipilih sebagai Ahli Majlis - Wakil Biasa seperti berikut:

1. *Ir. Dr. Chan Swee Huat*
2. *Ir. Ellias bin Saidin*
3. *Ir. Mohd Khir bin Muhammad*
4. *Dato' Ir. Hj. Anuar bin Yahya*
5. *Ir. Dr. Teo Fan Yenn*
6. *Dato' Ir. Prof. Dr. Jeffrey Chiang Choong Luin*

Pegawai Pemilihan kemudian mengucapkan tahniah kepada semua calon yang berjaya.

9.4.11 **MAT dimaklumkan pelaksanaan Pemilihan berlangsung selama lima setengah bulan. Jumlah kos adalah RM40,511.05 (dokumen dan pos) tidak termasuk kos kakitangan IEM.**

Pegawai Pemilihan mencadangkan agar IEM dapat menjimatkan kos sekiranya proses pemilihan dilakukan melalui platform maya atau "e-balloting."

- 9.4.12 Pegawai Pemilihan kemudian mengucapkan terima kasih kepada Pengawas Pemilihan Ir. Prof. Dr. Zainal Abidin bin Ahmad, Ir. Prof. Ishak bin Abdul Rahman, Ir. Dr. Siti Hawa Hamzah, Ir. Hj. Mohamed Ali bin Yusoff dan Ir. Mohd Aman bin Hj. Idris di atas bantuan dan sokongan. Juga dirakamkan ucapan terima kasih kepada Urusetia atas kerjasama dan juga Majlis di atas sokongan yang diberikan.

Yang DiPertua mengucapkan terima kasih kepada Y.Bhg. Dato' Paduka Hj. Ir. Prof. (Dr.) Keizrul Abdullah di atas jasa dan sokongannya dalam menjalankan proses pemilihan.

## 10.0 PERSARAAN AHLI MAJLIS

- 10.1 Pengerusi Majlis kemudian membaca nama ahli-ahli Majlis yang akan bersara untuk sesi ini.

Yang DiPertua menyampaikan tanda penghargaan kepada Ahli Majlis yang akan bersara dari jawatan untuk sesi 2019/2020 dan tidak lagi berkhidmat sebagai ahli Majlis dalam kapasiti lain:

1. Ir. Dr. Tan Yean Chin
2. Ir. Dr. Lee Yun Fook
3. Ir. Fam Yew Hin
4. Ir. Dr. Ng Soon Ching
5. Ir. Lim Kim Ten
6. Ir. Yau Chau Fong
7. Dato' Ir. Foong Choy Chye
8. Dato' Ir. (Dr.) Andy Seo Kian Haw
9. Ir. Teo Ki Yuee
10. Ir. Sreedaran Raman
11. Ir. Abrizan bin Abdul Kadir

- 10.2 MAT juga mengambil maklum ahli Majlis yang akan bersara dan tidak dapat hadir untuk mengambil hadiah penghargaan. Oleh yang demikian ia akan dihantar kepada mereka.

1. Ir. Choo Kok Beng
2. Ir. Razmahwata Mohd Razalli
3. Ir. Abdul Razak Yaakob
4. Ir. Shahrudin bin Mohd Simin
5. Ir. Hj. Omar bin Mat Piah
6. Ir. James Yong Hon Min
7. Ir. Lau Hieng Ho

## 11.0 PENYERAHAN TUGAS

Pengerusi Majlis seterusnya menjemput Yang DiPertua dan Yang DiPertua baharu untuk naik ke pentas bagi penyerahan rantai jawatan. Yang DiPertua baharu, Ir. Ong Ching Loon kemudian menyampaikan tanda penghargaan kepada Mantan Yang DiPertua, Ir. David Lai Kong Phooi.

## 12.0 BEKAS - BEKAS YANG DIPERTUA

Yang DiPertua yang baharu memaklumkan bahawa Majlis telah menjemput bekas-bekas Yang DiPertua untuk berkhidmat dan mereka semua telah bersetuju dan menerima undangan tersebut. Antara bekas Yang Dipertua tersebut adalah:

Y.Bhg. Ahli Akademik Tan Sri Datuk Ir. Ahmad Zaidee bin Laidin  
 Y.Bhg. Dato' Ir. Dr. Gue See Sew  
 Y.Bhg. Dato' Paduka Ir. Hj. Keizrul bin Abdullah  
 Y.Bhg. Ahli Akademik Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik  
 Y.Bhg. Dato' Ir. Lim Chow Hock

## 13.0 PEMILIHAN JURUAUDIT DALAMAN

Yang DiPertua memohon pencalonan untuk jawatan Juruaudit Dalaman Kehormat. Beliau seterusnya memaklumkan MAT bahawa juruaudit dalaman semasa adalah Ir. Awangku Hidup bin Awangku Hosain (M03053) dan Ir. Tiong Ngo Pu (M07252).

Para ahli disarankan untuk mengklik ikon "RAISE HAND" sekiranya mereka ingin mencalon sesiapa bag jawatan tersebut.

Ir. Gunasagaran a/l Kristnan (F08216) mengusulkan Ir. Sreedaran Raman (M38681) sebagai Juruaudit dalam sesi 2020/2021 dan usul itu disokong oleh Ir. Ting Chek Choon.

Y.Bhg. Ahli Akademik Tan Sri Dato' Ir. Prof. Dr. Chuah Hean Teik mencadangkan Ir. Yau Chau Fong sebagai Juruaudit dalam kedua dan usul itu disokong oleh Ir. Dr. Tan Chee Fai.

Ir. Simon Yeong Chin Chow (F18660) mencadangkan pencalonan ditutup dan usul itu disokong oleh Ir. Bhuvendhraa Rudrusamy (F26383).

Oleh kerana hanya terdapat dua calon, maka dua Juruaudit Dalam Kehormat yang dipilih untuk sesi 2020/2021 adalah:

Ir. Sreedaran a/l Raman  
Ir. Yau Chau Fong

#### 14.0 PELANTIKAN JURUAUDIT LUAR

Yang DiPertua meminta persetujuan untuk melantik CH International sebagai Juruaudit Luar yang baharu untuk Sesi 2020/2021. Maklumat latar belakang CH International dibentangkan untuk maklumat MAT. MAT seterusnya meluluskan perlantikan itu.

#### 15.0 UCAPAN YANG DIPERTUA SESI 2020/2021

Pengerusi Majlis seterusnya menjemput Yang DiPertua untuk menyampaikan ucapan yang bertajuk "Augmenting IEM".

#### 16.0 PENANGGUHAN MESYUARAT AGUNG TAHUNAN YANG KE-61

Yang DiPertua merakamkan ucapan terima kasih kepada para ahli yang menghadiri MAT secara fizikal dan juga secara maya.

Yang DiPertua kemudian mengisytiharkan Mesyuarat Agung Tahunan ke-61 ditangguhkan pada pukul 1.45 tengah hari.

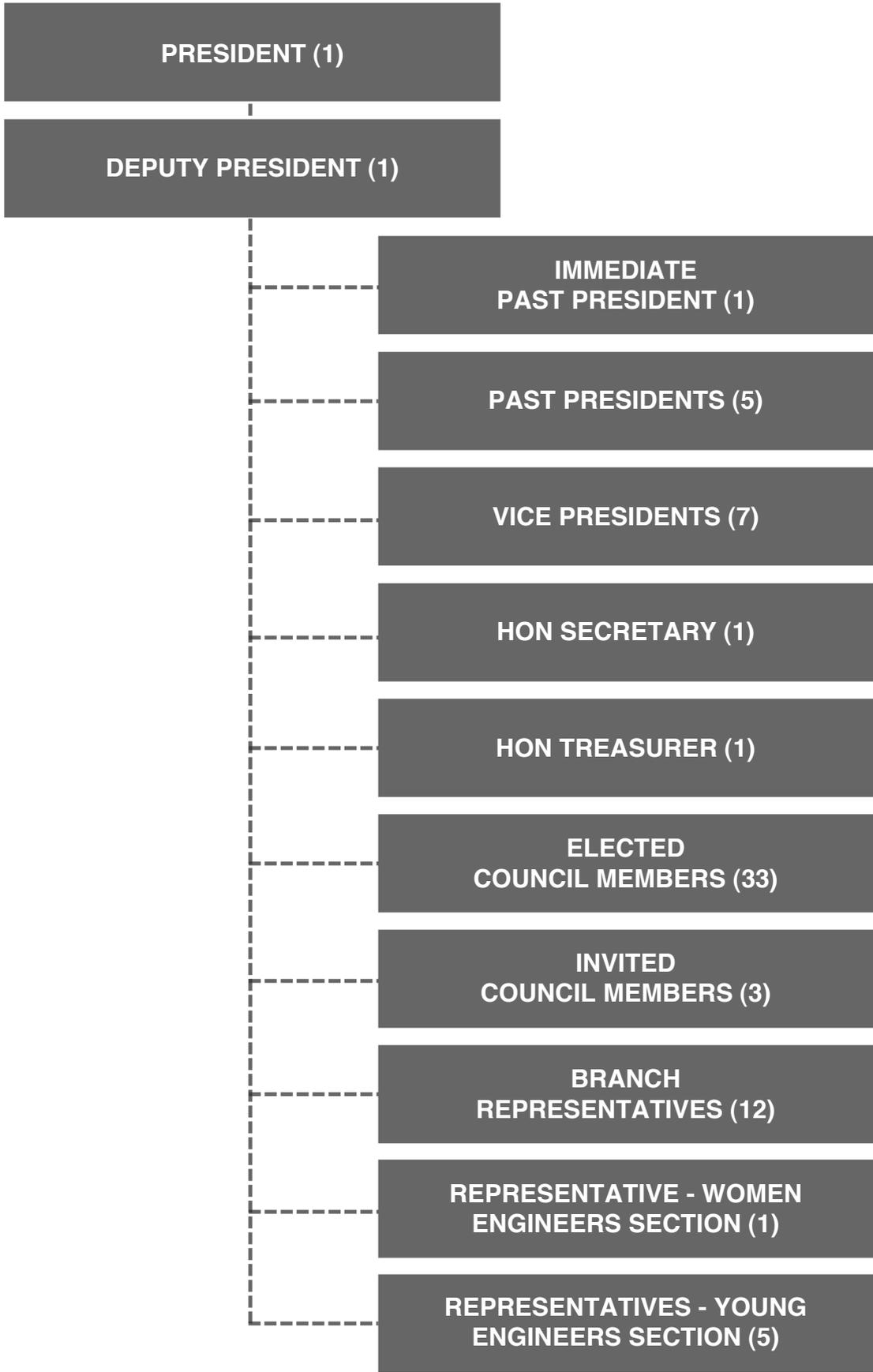


Ir. Ong Ching Loon  
Yang Di Pertua



Ir. Dr. David Chuah Joon Huang  
Setiausaha Kehormat

**STRUCTURE OF COUNCIL FOR SESSION 2020/2021**  
**Struktur Majlis Untuk Sesi 2020/2021**

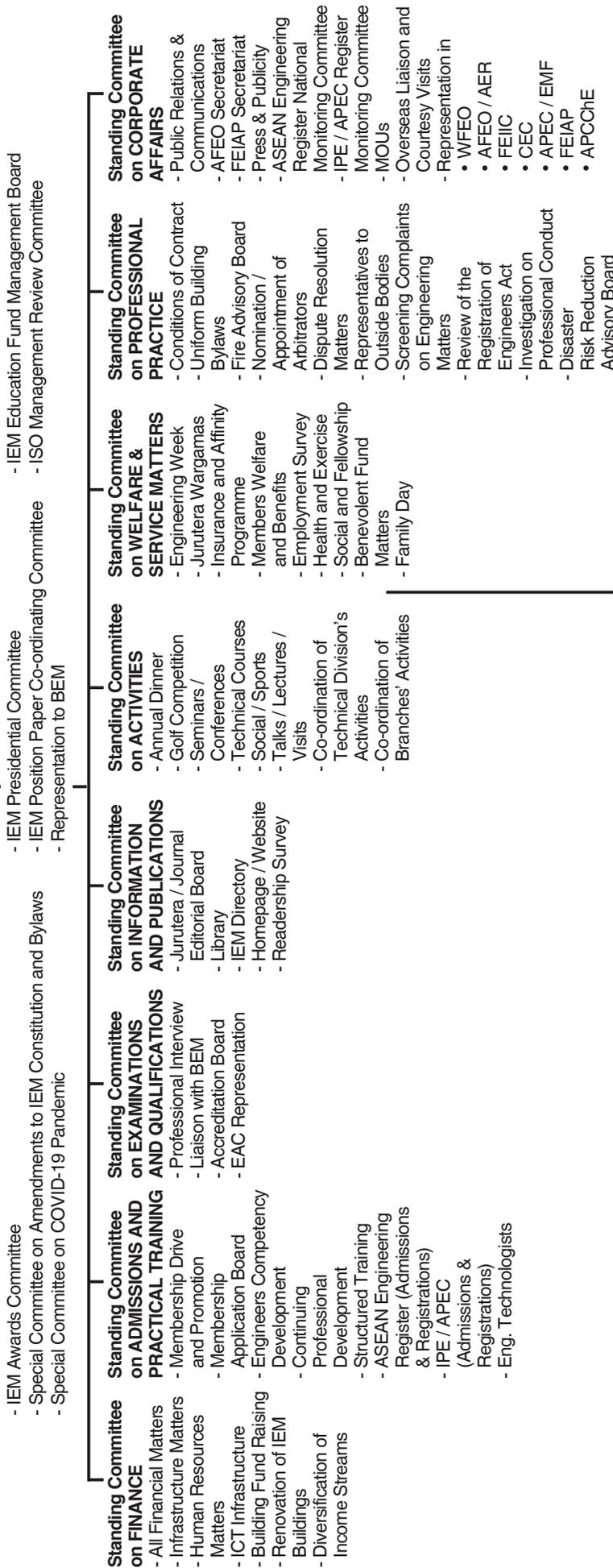


**ORGANISATION CHART - SESSION 2020/2021**  
**Carta Organisasi - Sesi 2020/2021**

**MEMBERS OF THE INSTITUTION**

**THE COUNCIL**

**THE EXECUTIVE COMMITTEE**



**WOMEN ENGINEERS SECTION**

- Environmental
  - Highway & Transportation
  - Engineering Education
  - Agricultural & Food
  - Tunnelling & Underground Space
  - Project Management
  - Electronic
- TECHNICAL DIVISIONS**
- Geotechnical
  - Civil & Structural
  - Chemical
  - Mechanical
  - Electrical
  - Building Services
  - Water Resources
  - Oil, Gas & Mining
  - Marine & Naval Architecture
- SPECIAL INTEREST GROUPS**
- Information + Communications Technology
  - Consulting Engineering
  - Seniors
  - Public Sector Engineers
  - Urban Engineering Development
- YOUNG ENGINEERS SECTION**
- Graduate Activities
  - Student Section
  - IEM / IES Meet
  - Engineering Games
  - Various Activities
  - Student Liaison
- IEM BRANCHES**
- Penang
  - Southern
  - Sabah
  - Sarawak
  - Kelantan
  - Perak
  - Melaka
  - Negeri Sembilan
  - Miri
  - Kedah / Perlis
  - Terengganu
  - Pahang

**62<sup>nd</sup> ANNUAL REPORT SESSION 2020/2021**  
**Laporan Tahunan Ke-62 Sesi 2020/2021**

**1. INTRODUCTION**

- 1.1 It is with great pleasure that I present to you the 62<sup>nd</sup> Annual Report for session 2020/2021 covering the period 1 April 2020 until 31 March 2021.

**2. MEMBERSHIP**

- 2.1 The membership of the Institution as at 1 March 2021 now stands at 47,087.

Comparative figures of the last five years are as follows:

Grade	2107	2018	2019	2020	2021
Distinguished Hon. Fellow	2	2	2	2	2
Hon. Fellow	28	28	28	27	27
Fellow	736	731	739	772	776
D. Member	1	1	1	1	1
Hon. Member	8	8	7	7	7
Senior Member	31	35	39	45	52
Member	10,119	10,230	11,048	11,647	11,389
Senior Graduate Member	222	240	281	320	372
Graduate	10,385	9,597	9,303	9,441	9,099
Incorporated	82	98	115	120	105
Affiliate	28	28	27	34	29
Associate	41	39	53	59	61
Student	20,176	24,629	26,969	31,419	25,167
<b>Total</b>	<b>41,859</b>	<b>45,666</b>	<b>48,612</b>	<b>53,894</b>	<b>47,087</b>

2.1.1 *Membership by Branches:*

	HF	F	HM	SM	M	SG	G	IM	A	AM	S	TOTAL
Kedah-Perlis	0	9	0	1	283	13	299	3	0	1	1513	2122
Penang	1	30	0	3	583	20	467	4	0	2	1223	2333
Perak	1	24	0	3	441	16	535	14	3	2	2127	3166
Kelantan	0	5	0	1	149	4	117	1	0	2	1301	1580
Pahang	0	5	0	1	152	2	222	1	1	2	1159	1545
Terengganu	0	5	0	0	150	6	141	1	0	0	992	1295
Sarawak	2	37	0	3	820	28	782	8	0	4	2917	4601
Miri	0	16	1	0	86	7	139	0	0	0	137	386
Southern	1	55	1	5	690	40	764	10	1	1	3853	5421
Melaka	0	9	0	1	200	10	248	1	0	1	948	1418
Negeri Sembilan	0	12	3	0	300	11	351	6	0	1	1200	1884
Sabah	2	41	0	1	616	7	475	1	0	3	961	2107
<b>TOTAL</b>	<b>7</b>	<b>248</b>	<b>5</b>	<b>19</b>	<b>4470</b>	<b>164</b>	<b>4540</b>	<b>50</b>	<b>5</b>	<b>19</b>	<b>18331</b>	<b>27858</b>

- 2.2 Breakdown by discipline is as follows :

Description	DHF	HF	F	DM	HM	SM	M	SG	G	I	A	AM	S	TOTAL
Aeronautical	0	0	1	0	0	0	15	3	22	4	0	1	34	80
Aerospace	0	0	0	0	0	0	6	0	17	1	0	0	40	64
Agricultural	0	0	4	0	0	0	30	1	32	1	0	0	10	78
Architectural	0	0	0	0	0	0	1	0	1	0	0	0	1	3
Automotive	0	0	0	0	0	0	2	0	3	0	0	1	36	42
Biochemical	0	0	0	0	0	0	0	0	12	0	0	0	16	28
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	4	4
Bio-Medical	0	0	0	0	0	0	13	1	29	2	0	1	167	213
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	2	0	4
Building Services	0	0	0	0	0	0	12	0	2	0	0	4	0	18
Cad/Cam	0	0	0	0	0	0	1	0	1	0	0	0	1	3
Chemical	0	0	22	0	0	2	336	28	683	5	2	1	2022	3101
Civil	0	11	451	0	0	23	5660	126	3465	19	3	20	6026	15804
Civil & Structural	0	0	0	0	0	0	0	0	1	0	0	0	6	7
Communication	0	0	1	0	0	0	11	1	14	0	0	0	41	68
Computer	0	0	1	0	0	1	7	1	24	0	3	0	78	115
Computer & Communication	0	0	0	0	0	0	5	0	2	0	0	0	4	11
Computer Systems	0	0	0	0	0	0	1	0	0	0	1	0	5	7
Computer-Aided	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Construction	0	0	0	0	0	0	3	0	1	0	0	0	2	6
Control	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Control System	0	0	0	0	0	0	0	0	1	0	0	0	1	2
Electrical	1	7	131	1	0	12	2382	47	1511	24	0	11	3078	7205
Electrical & Electronic	0	0	0	0	0	0	1	1	1	0	0	0	895	898
Electromechanical	0	0	0	0	0	0	3	0	0	0	0	0	2	5
Electronic	0	0	11	0	0	1	373	45	609	17	5	6	3186	4253
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	16	2	55	0	0	0	93	166
Food & Process	0	0	0	0	0	0	2	0	9	0	0	0	1	12
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	2	0	0	4
Geotechnical	0	0	1	0	0	0	25	0	4	0	2	0	4	36
Highway	0	0	0	0	0	0	10	0	0	0	0	0	0	10
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	0	0	0	0	0	1
Industrial	0	0	0	0	0	0	8	3	17	0	0	0	19	47
Information System	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Information Technology	0	0	0	0	0	0	0	0	2	0	0	0	1	3
Infrastructure Management	0	0	0	0	0	0	0	0	0	0	0	0	72	72
Instrumentation & Control	0	0	0	0	0	0	68	0	2	1	0	0	0	71
Manufacturing	0	0	0	0	0	0	43	3	106	2	0	1	709	864
Manufacturing Systems	0	0	0	0	0	0	1	0	2	0	0	0	0	3
Marine	0	0	0	0	0	0	17	0	6	0	0	1	0	24
Materials	0	0	2	0	0	0	24	4	48	1	2	1	128	210
Mechanical	0	3	134	0	0	11	2098	95	2189	19	3	8	7213	11773
Mechanical System	0	0	0	0	0	0	0	0	1	0	0	0	2	3
Mechanics	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Mechatronics	0	0	0	0	0	0	10	4	96	5	0	2	1013	1130
Metallurgy	0	0	1	0	0	0	5	0	8	0	0	0	1	15
Microelectronic	0	0	0	0	0	0	0	0	3	1	1	0	1	6
Mineral	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Mineral Processing	0	0	0	0	0	0	1	0	1	0	0	0	0	2
Mineral Resources	0	0	0	0	0	0	10	0	15	0	0	0	3	28
Mining	0	0	5	0	0	0	23	0	3	1	0	0	0	32
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	13	1	4	1	1	0	20	40
Nuclear	0	0	1	0	0	0	1	0	0	0	0	0	11	13

Others	1	6	0	0	7	0	3	0	5	0	2	0	5	29
Petroleum	0	0	1	0	0	2	9	3	42	0	0	0	151	208
Polymer	0	0	0	0	0	0	2	0	11	1	0	0	9	23
Production	0	0	1	0	0	0	9	0	5	0	0	0	0	15
Structural	0	0	3	0	0	0	49	2	9	0	0	0	3	66
Systems	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Telecommunication	0	0	0	0	0	0	31	1	11	0	1	1	36	81
Textile	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Traffic	0	0	0	0	0	0	2	0	0	0	0	0	0	2
Transport	0	0	1	0	0	0	6	0	1	0	0	0	0	8
Water Resources	0	0	1	0	0	0	29	0	2	0	0	0	0	32
	<b>2</b>	<b>27</b>	<b>776</b>	<b>1</b>	<b>7</b>	<b>52</b>	<b>11389</b>	<b>372</b>	<b>9099</b>	<b>105</b>	<b>29</b>	<b>61</b>	<b>25167</b>	<b>47087</b>

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

Grade	Deceased	Resigned
Hon Fellow	1	-
Fellow	3	1
Member	6	7
Graduate	-	22
Student	-	10
<b>Total</b>	<b>10</b>	<b>40</b>

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 275 members were reinstated. The details are as follows:

Fellow	: 1
Member	: 51
Graduate	: 222
Senior Graduate Member	: 1

### 3. THE COUNCIL AND THE EXECUTIVE COMMITTEE

3.1 Four Council and ten 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 Due to the COVID-19 pandemic and the government imposing Movement Control Orders (MCO/CMCO/RMCO) since March 2020, Council and Excomm meetings had to be held via virtual or hybrid mode. Due to the MCO imposed for the second time at the beginning of 2021, the 424<sup>th</sup> Council meeting was held fully virtual for the first time in IEM's history on 18 January 2021.

3.3 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. Various initiatives were carried out to ensure that IEM's operations and service to members continue with minimum interruptions during the last session despite the imposition of the movement control orders.

3.4 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. Prof. Dr. Norlida binti Buniyamin 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 2020, income from annual subscriptions stood at approximately 65.8% of the total income compared to 70% in 2019, 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 2020, 87.1% 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 2020, 3,401 members are in arrears of subscription for 2020 compared to 2,304 in 2019. The total outstanding collection for the year amounted to RM434,686 compared to RM301,645 in 2019. IEM would like to appeal to these members to settle the arrears as soon as possible.

### 4.2.2 Rental

As reported at the last AGM, Merdeka Strategic Development Centre Sdn Bhd took up tenancy of the first and second floor of Wisma IEM with a two-year tenancy commencing February 2019 with an option to renew for another two years. Another new tenant, EJAB Engineering took up tenancy of approximately 1,000sf of space since December 2020 for a period of three years.

The ground floor of Bangunan Ingenieur continue to be rented out to Pizza Hut at a monthly rental of RM15,995.30. Pizza Hut's tenancy was renewed in November 2020 for another three years.

### 4.2.3 Activities Income

In view of the imposition of the various movement control orders and SOPs related to physical distancing and restriction on physical events, IEM embarked on conducting events or activities for members virtually. Free webinars were held for IEM members from April to July 2020. Thereafter, a token charge was imposed to ensure that registered members really participate in the webinars as there was limited capacity. There was overwhelming response from IEM members.

Despite having to resort to organizing activities online for members, the Technical Divisions generated income of RM181,583 for the period from August to December 2020. For the year 2019, income generated by the Technical Divisions was RM318,845. The Standing Committee on Finance wish to thank the Technical Divisions for their efforts.

### 4.2.4 Diversification of Income Streams

In an effort to reduce IEM's dependency on annual subscriptions, IEM had confirmed collaboration with CIS Network Sdn Bhd to organize an annual exhibition named ENGINEER. This exhibition will be held in conjunction with an annual convention named IEM CONVENTION.

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 9th to 11th September 2021 at the Kuala Lumpur Convention Centre.

## 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.

In 2020, Pos Malaysia announced increase in postage charges by 100% which would result in high administrative costs for posting of the monthly Bulletin to IEM members. In view of the increase in postage and the movement control orders hampering the printing of the hard copy Bulletin, IEM moved to circulating the e-Jurutera with effect from April 2020. The e-Jurutera and e-Journal is sent to members via email blast. Members can opt to read the publication via a flipbook programme or download the publication for retention.

## 4.4 Sub Committee on Human Resources

The Sub Committee chaired by the Honorary Secretary, Ir. Dr. David Chuah Joon Huang 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 2020, the Secretariat's staff strength 41 including three staff under the International Office that is financed by AER, FEIAP and APEC Engineers Register.

#### 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 the year 2020, the Sub Committee looked into setting up of facilities to enable IEM to conduct webinars and virtual meetings.

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 a/l Kristnan was appointed to chair this 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. Dr. Tan Chee Fai was appointed as the new Chairman for the Standing Committee for the session 2020/2021. 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 2020, a total of 4123 candidates were approved for election, admission and transfer to the various grades as listed below:

		2018	2019	2020
(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	29	18	17
(d)	Admitted/Transferred to the Grade of Senior Member	6	7	8
(e)	Approved to sit for the Professional Interview	1240	207	213
(f)	Admitted/Transferred to the Grade of Senior Graduate	79	82	82
(g)	Admitted/Transferred to the Grade of Graduate	1283	1171	972
(h)	Admitted/Transferred to the Grade of Incorporated Member	38	23	10
(i)	Admitted to the Grade of Affiliate	6	4	1
(j)	Admitted to the Grade of Associate	19	10	7
(k)	Admitted to the Grade of Student	4563	4563	2813
	<b>Total</b>	<b>7263</b>	<b>6087</b>	<b>4123</b>

A total of ninety – five (95) applications had been approved to sit for the Professional Assessment Examination (PAE) for the year 2020..

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

Ir. Dr Lee Yun Fook continued to chair the Sub-Committee for the third session 2020/2021. 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:

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

#### 5.4 Sub-Committee on Membership Drive and Promotions

Ir. Dr. Aidil Chee Tahir chaired the Membership Drive and Promotions Sub-Committee (MDP) for the session 2019/2020 with the mandate to increase the number of IEM memberships through various recruitment initiatives.

During the year, MDP had organized numerous membership drive activities at several local and international universities with the objective of raising awareness and creating interest in IEM. Representatives from IEM and MDP had also delivered talks on topics such as Introduction to IEM, Route to MIEM as well as subjects relating to current issues and developments in the field of engineering. In light of the Movement Control Order imposed by the Malaysian Government due to the Covid-19 pandemic, MDP had moved towards conducting talks via on-line webinars and established a Google based membership application platform which successfully garnered 1776 student registrations for the period of July to December 2020.

In October, MDP was invited to participate in the 2020 International Project Management Conference (IPMC 2020) organized by PETRONAS. During this 4-days virtual experiential conference, MDP had the opportunity to engage with a variety of conference participants, sharing information and details about IEM.

Through the initiative efforts by MDP, IEM is set to enter into a memorandum of understanding (MOU) with Universiti Malaysia Sabah (UMS) in the 1st quarter of 2021. IEM is also in the midst of renewing its MOU with Universiti Teknologi Mara (UiTM) in the near future.

MDP believes that through its activities and initiatives, IEM will continue to grow and remain an inclusive and relevant organization for all engineering practitioners moving forward.

### 5.5 Sub Committee on IEM Log Book Training Scheme

The Sub-Committee was chaired by Ir. Mohd Azha bin Abu Samah for session 2020/2021. The primary responsibilities of the Sub-Committee were to assess and confirm the logbooks prepared by the mentees after being reviewed and endorsed by their respective mentors. The logbooks were prepared to record and document the competencies element progress and practical working experience of the mentees' during their career as an engineer. It is also to ensure that the experience obtained can lead the engineer to accumulate adequate competency elements, experience, and readiness to sit for the Professional Interview. The logbooks are to be in conformance to the requirements of the IEM's Engineering Competency Development (ECD) Guidelines. A total of one hundred and thirty-three (133) logbooks were reviewed and recommended for endorsement by the Admission and Practical Training (APT) Standing Committee Chairman in year 2020.

The Sub-Committee has conducted various activities as part of the effort to revamp the Mentor-Mentee programme's quality in IEM. The activities recorded are as follows:

#### a. *Engagement Sessions*

Due to the Covid-19 pandemic and the implementation of Movement Control Order (MCO) in the country from 18 March 2020, many events were switched from physical face to face to online platform. It has given the opportunity for ECD to have their 1<sup>st</sup> ECD Webinar talk entitled Engineering Competency Development - Your Path to becoming a Professional Engineer which was organised on 18 April 2020. It was then followed by the 2<sup>nd</sup> Webinar on 16 May 2020 with the same title.

In year 2020, there were three (3) e-Workshops entitled Workshop on Managing Engineering Competency Development (ECD) Log Book had been organised. These One (1) Day workshops were conducted on 8 and 29 August 2020, and on 26 September 2020 respectively.

#### b. *IEM's Top Mentor Award 2019*

The Sub-Committee continue to organise this award as part of the effort to recognize mentor's contribution to the organization. This is an event where mentees can nominate their mentor to be recognized as top mentor in the IEM. Below are the top five (5) winning mentors which were published in the IEM Jurutera Bulletin for September issue in 2020.

No.	Name	Membership No.	Discipline
1	Ir. Prof. Madya Dr. Abdul Talib Din	M 16638	Mechanical
2	Ir. Assoc. Prof. Dr. Hayati Abdullah	F 16513	Mechanical
3	Ir. Chuah Rhun Riang	M 26229	Electrical
4	Ir. Lau Eng Kee	M 21721	Civil
5	Ir. Dr. Ahmad Fadzil Ismail @ Ibrahim	M 29093	Electronic

### 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 the 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 2020 were summarised as follows:-

	Total application received (nos.)	Total application approved for CPD hours (nos.)	Total CPD hours granted (nos.)
IEM own programmes	420	417	1372
External training providers programmes	66	66	458

### 5.7 Special Committee on Structured Training

Ir. Mohd. Radzi Salleh continued to chair the Special Committee on Structured Training for session 2020/2021 for the sixth session. The purpose of the Structured Training programme was mainly 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. There were four (4) Search Committees that had been formed to conduct the structured training programmes. They are the Chemical, Civil, Electrical and Mechanical.

For the year 2020, 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 and ended on 19 September 2020. There was a delay in completing the 24-Saturday STPD programme due to the MCO and the Covid-19 pandemic.

The Search Committee on Civil Engineering also conducted a 8-Saturday Course on Structural Engineering Design. The said programme ended on 19 September 2020. The Search also planned to conduct another two more modules; one on "Construction Practice" and the other on "General Infrastructure Works & Highway Engineering". These modules would be tentatively organised in the year 2021.

The Special Committee had for the first time, organised a "One (1) hour Webinar Session on Structured Training" on 19 December 2020 (Saturday) and fifty-five (55) participants attended the event. The main objective of the webinar was an awareness programme to the members especially the young graduate members and also MIEM who wish to gain additional knowledge on engineering design.

In addition to the above, the Special Committee was also looking into jointly collaborating with MRCB-George Kent and CREaTE, JKR on the structured training programme for their engineers/staff for the year 2021.

## 6. STANDING COMMITTEE ON EXAMINATIONS AND QUALIFICATIONS

6.1 Ir. Hj. Mohd Aman bin Haji Idris was the new Chairman for the session 2020/2021. 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. This Standing Committee also works with Engineering Technology Accreditation Council (ETAC) on the accreditation of the Diploma/Degree Engineering Technology programmes.

### 6.2 Professional Interview Board

Ir. Ng Yong Kong was appointed as the new Chairman of the PI Board for the session 2020/2021. 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 2020, the PI Board together with the Sub Committee on PI Development had conducted eighteen (18) Professional Interview awareness talks and workshops for the Graduate Members and four (4) webinars of 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 2020 were recorded as follows:-

Applied to sit	Failed	Waiting for result	Waiting to be interviewed	Postponed	Passed
214	47	15	56	0	96
	22.0%				44.9%

IEM approved a total of one hundred and twenty eight (128) applications for the Professional Assessment Examination (PAE) from the Board of Engineers, Malaysia (BEM) in 2020. Sixty seven (67) candidates passed whereas twenty two (22) were unsuccessful and thirty nine (39) candidates were waiting to be interviewed 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 2020/2021. 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 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. The Sub Committee is also responsible to look into further improvement to the process and to analyse the shortcomings or problems.

### 6.5 Professional Interview Advisory Panel

The Professional Interview Advisory Panel chaired by Ir. Tu Yong Ng was formed mainly to provide assistance, advice and guidance to the candidates who failed the Professional Interview (PI) especially on the areas that the candidates are weak in. The Panel would only meet as and when there is a request from a candidate for advice on the PI. With effect from 2020, all letters issued to candidates who failed the PI would also inform candidates of this service by IEM.

### 6.6 Task Force on Engineering Technologists and Engineering Technicians

The Registrar of Society (ROS) has on 6 November 2020 approved the IEM Constitution Amendments, to allow four (4) additional membership grades to be incorporated for Engineering Technologist and Engineering Technician. The amendment of the constitution is to promote inclusiveness in the engineering fraternity.

A Task Force on Engineering Technologists and Engineering Technicians headed by Ir. Fam Yew Hin was subsequently formed and the first formal meeting was held on 25 November 2020. The objective of such Task Force is to formalise the planning, admission procedure, recruitment as well as establishing a pathway/route for engineering technologists and technicians.

The formal recruitment of these four (4) membership grades is currently planned to be launched in second quarter of 2021.

## 7. STANDING COMMITTEE ON INFORMATION AND PUBLICATIONS

7.1 For Session 2020/2021, the Standing Committee was chaired by Ir. Dr. Leong Wai Yie. The Standing Committee is responsible for the publication of the IEM monthly Jurutera bulletin, the IEM Journal, the IEM Directory, the 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. Leong Wai Yie and Ir. Dr. Bhuvendhraa Rudrusamy respectively. Twelve issues of the bulletin were published for the year 2020. The titles for the issues are:

Month	Title	Month	Title
January	Fire Safety Management	July	Artificial Intelligence: Propelling Smart Marine Industries
February	Driving Aerospace Industry To Greater Heights	August	Innovate for Change
March	Water Resources: Demand, Climate & Sustainability	September	Adapting to Covid-19: An Engineering Perspective
April	Development of Fire Services Industry	October	New Norm in Engineering Education
May	IEM in Nation Building	November	Advancement of Malaysia's Petrochemicals Industry
June	Electrical Safety 2020	December	Innovation & Sustainability In An Urban Engineering Ecosystem The Construction Sector

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 2020. 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.

#### 7.6 **Library**

The Sub Committee on Library chaired by Ir. CMM Aboobucker met 9 times in the year 2020. Three more representatives of Technical Divisions joined our Sub Committee from July 2020. About five meetings were held on-line.

This year we added 88 new of physical books to our library collections, increasing from 7,135 books in 2019 to 7,223 books in 2020. 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. social media strategies, cyber security, artificial intelligence (AI), health and disease control, risk analysis, management and modern manufacturing. Our focus in future will be on acquiring more electronic books. The IEM library has acquired 431 e-books on engineering and technology topics by end of year 2020. These collections are very popular among members especially during this pandemic COVID-19.

Apart from technical books, online Journals in the field of Geotechnical Engineering also can be accessed. These are NRC Canadian Geotechnical Journal and ASCE Journal of Geotechnical and Geoenvironmental Engineering. Besides these ICE Journals are also available in three popular titles which are Geotechnique, Geotechnical Engineering and Ground improvement.

Sub Committee on Library also organised a Webinar Talk last December 2020. The Speaker, Ir. Gary Lim illustrated how members in the academic field as well as in consultancy could use the various electronic books to their quick reference and advantage. Regular announcements and information on new physical books as well as eBooks are made 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.

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 Malaysia Standards, journals, and technical reports. Borrowed materials (up to a limit of 15 items) 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 2020/2021 while the Vice Chair is Ir. Gunasegaran a/l Kristnan.

The Standing Committee continues to supervise the activities of Technical Divisions, Special Interest Groups, Sections and Branches of the IEM. The main objective of this Standing Committee is organising Technical Talks, Technical Visits, Seminars/Courses, Conferences, Social Events and all other activities.

Since COVID-19 first recorded and spreading around the world the planet sending billions into lockdown, all have no choice than to adjust themselves to a “new normal”, meaning a new way of living and going about our lives, working and interactions with other people. Due to this, most events are being organised via virtual platform instead of via physical event.

IEM have successfully conducted a very good numbers of virtual events via ‘GoToWebinar’ and ‘Zoom Platform’ for our Technical Talks, Seminar, Workshop and Courses including online Conferences and Symposium for year 2020 for period from April – December.

Unfortunately, with the pandemic COVID-19 spreading, some of IEM’s annual events were not organised, mainly IEM 60<sup>th</sup> Annual Dinner 2020, IEM Golf Tournament, IEM Bowling Tournament, Engineering Week, Engineering Run, Family Day and also few scheduled Competitions & Conferences were postponed to a later date. Technical Visits were unable to be conducted due to current KKM SOPs.

For year 2020 the Standing Committee on Activities (ACT) organised the following numbers of physical and virtual activities :-

Activities	Numbers Activities Organised
Technical Talks > (Physical 42 / Virtual 145)	187
Technical Visits	6
Paid Activities (Seminars / Courses / Workshop / Symposium) > (Physical 18 / Virtual 25)	43
Outdoor / Social	1
Competition	1
Engineering Education Awareness	9
Charity (CSR)	9

The summary of these activities are tabulated in the summary sheet of activities for the year 2020.

## 8.2 IEM Annual Events and Activities 2020

Some of the major events are highlighted below:

25 July 2020	The 61st Annual General Meeting of the IEM was held at Wisma IEM, Petaling Jaya and attended by 906 members.
23 September 2020	IEM's 1st Digital Symposium & Virtual Exhibition were held attended by 200 participants including local and overseas speakers. Webinar on IEM- Standards Malaysia- Suruhanjaya Tenaga : ASEAN Electrotechnical Virtual Symposium & Exhibition 2020
20 October 2020	IEM 1st Digital Conference was held. Webinar on IEM-STANDARDS MALAYSIA- PETRONAS : IECEX National Virtual Conference 2020 and attended by 234 participants including local and overseas speakers.

## 8.3 IEM Presidential Award of Excellence

The winners for the activities conducted for year 2019 were:

Winner	Building Services Technical Division (BSTD)
2nd Placing	Civil & Structural Engineering Technical Division (CSETD)
3rd Placing	Electrical Engineering Technical Division (EETD)
4th Placing	Geotechnical Engineering Technical Division (GETD)
5th Placing	Mechanical Engineering Technical Division (METD)
Most Improved	Environmental Engineering Technical Division (ENETD)

## 8.4 Technical Divisions, Special Interest Groups & Section

Due to COVID-19 and KKM SOPs, fifteen (15) Technical Divisions, Special Interest Groups & Section Annual General Meetings (AGMs) were successfully conducted via virtual platform for the 1st time (Zoom Platform) every Saturday in the month of November and December 2020.

## 9. STANDING COMMITTEE ON PROFESSIONAL PRACTICE

9.1 Ir. Dr. Wang Hong Kok was appointed as the Chairman of this Standing Committee for the Session 2020-2021. 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 2020-2021 were as follows:

Sub Committee	Chairman
Sub Committee on Engineering Contracts	Ir. Gunasagaran a/l Kristnan
Sub Committee on Dispute Avoidance and Resolution Practice (DARP)	Ir. Khoo Choong Keow
The IEM Fire Advisory Board on Fire Protection Services	Ir. Yim Hon Wa
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. Dr. Wang Hong Kok
Sub Committee on Screening of Complaints and Queries	Ir. Khoo Choong Keow
Sub Committee on Legislation Affecting Engineering Profession	Ir. Lai Sze Ching

#### 9.1.1 *Standing Committee Activities for year 2020*

- (a) **Webinar – Impact of Covid-19 and MCO/CMCO to the Employer and Employee – What to Expect and What to Do?**  
*The Webinar was successfully conducted on 21 May 2020 and attended by 140 participants.*
- (b) **Webinar – Impact of Covid-19 and MCO/CMCO to Construction Projects – What to Expect and What to Do?**  
*The Webinar was successfully conducted on 2 June 2020 and attended by 239 participants.*
- (c) **Dialogue Session IEM and ACEM**  
*The dialogue session was successfully conducted on 5 February 2020. The delegates from ACEM headed by the President Dato’ Ir. Mohd Adnan bin Mohd Nor and 8 others members while IEM was headed by the President Ir. David Lai Kong Phooi with 12 Excomm members attended the session.*

#### 9.2 **Sub Committee on Engineering Contracts**

Ir. Gunasagaran a/l Kristnan continued for another term as the Chairman of the Sub Committee on Engineering Contracts for the session 2020-2021. 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 *Increase of IEM Form of Contracts price per unit to RM30.00*

The Standing Committee on Professional Practice had approved all IEM Form of Contract will be sold at the price of RM30.00 per unit starting from 1 January 2020. It was also agreed that the cover of the Form of Contract to use a soft cover paper as to facilitate the incorporating of the Form of Contract into main agreement without using a photocopy.

#### 9.2.2 *Sub Committee Activities for year 2020*

- (a) **IBS Professional Training 2020 – In collaboration with CIDB ‘Sijil Profesional IBS’**  
*A series of training was planned throughout the year 2020. However, due to the pandemic and government’s decision to impose MCO from March until June 2020, the training was postponed and eventually were cancelled by CIDB. The Subcommittee managed to hold the first training successfully on 3-5 March 2020 with 20 participants attending.*
- (b) **Webinar on CIDB Professional Certification Selected Topics**  
*The webinar was successfully held on 8 May 2020 and attended by 107 participants.*
- (c) **Webinar – Series: Navigating the ‘IEM FORM OF CONTRACTS’ Contractual Clauses**  
*The webinar was successfully held on 10 June 2020 with 212 attendees.*
- (d) **2-Day Course on MyCESMM2**  
*The course was successfully held on 14-15 September 2020 at Wisma IEM, Petaling Jaya and was attended by 11 participants. However, due to the current situation of the pandemic, the course was not able to continue at the moment.*
- (e) **Webinar on IEM Form of Contracts (For Civil Engineering, Mechanical and Electrical Engineering Works)**  
*The webinar was successfully held on 19 November 2020 and was attended by 118 participants.*
- (f) **The WEBINAR - Impact of the COVID-19 Act 2020 and the “IEM FORM OF CONTRACTS”**  
*The webinar was successfully held on 2 December 2020 and was attended by 57 participants.*

### 9.2.3 *Feedbacks*

The Sub Committee welcomes all feedbacks and improvements for the Sub Committee's further discussion during Sub Committee monthly meetings and collated for future updates. Feedback survey was also carried out during the webinar sessions.

### 9.2.4 *Call for Sub Committee Members*

Any registered IEM Members are welcome to join the monthly meetings of the Sub Committee. Kindly provide your details or contact the PPC Secretariat or email sec@iem.org.my for further information.

## 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 2020-2021 session. The Sub Committee held its regular meetings on bi-monthly on second Tuesday of the month to discuss matters, summarised as follows:

The Sub Committee planned for a series of workshops and courses, however, it was put on hold due to Covid-19 pandemic. Although, the course can be conducted through Webinar, the Sub Committee members felt that the adjudication courses especially the Joint Course with 3 organizations preferred to be conducted physical due to the fact that the interactions with participants will be more effective. This Joint Courses will be carried forward in year 2021.

### 9.3.1 *Sub Committee Activities for the year 2020*

#### (a) **Half-Day (Morning) Talk on Professional Negligence**

*The talk was successfully held on 22 February 2020 and attended by 71 participants.*

#### (b) **Webinar via zoom– Workshop on Dispute Avoidance No. 5.**

*The webinar was successfully held on 24 November 2020 with 75 attendees.*

### 9.3.2 *Call for Sub Committee Members*

Any registered IEM Members are welcome to join the monthly meetings of the Sub Committee. Kindly provide your details or contact the PPC Secretariat or email sec@iem.org.my for further information.

## 9.4 **The Fire Advisory Board (FAB) on Fire Protection Services**

Ir. Yim Hon Wa was elected as the new Chairman of the Fire Advisory Board (FAB) on Fire Protection Services for the session 2020-2021. 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 Department of Standards Malaysia, 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 bagi Membincangkan Modul dan Silibus Latihan bagi Kursus Pricipal Submitting Person dan Submitting Person which was held on 9 June 2020 at Ibu Pejabat JBPM Putrajaya
- b) Mesyuarat Dialog bersama Professional Bil 1/2020 Jabatan Bomba dan Penyelamat Malaysia Kuala Lumpur which was held on 7 October 2020 at Ibu Pejabat JBPM Kuala Lumpur
- c) Mesyuarat Dialog bersama Professional Bil 2/2020 Jabatan Bomba dan Penyelamat Malaysia Kuala Lumpur which was held on 30 December 2020 at Ibu Pejabat JBPM Kuala Lumpur

### 9.4.2 *The Advisory Board is also involved in providing input and comments for Department of Standards Malaysia for the following:*

- a) NSC M (Jawatankuasa Standard Perindustrian bagi Keselamatan Kebakaran)
- b) TC on Dry Fire Protection System (TC/M/1)
- c) TC on Passive Fire Protection System (TC/M/2)
- d) TC on Wet Fire Protection System (TC/M/3)

- e) TC on Smoke Management (TC/M/4)
- f) TC on Clean Agent Fire Extinguishing System (TC/M/5)
- g) WG on Portable Fire Extinguisher (WG/M/5-1)
- h) Technical Committee on Fire Properties of Building Material (TC/M/6)

#### 9.4.3 *The Advisory Board Activities for the year 2020*

##### (a) **IEM Fire Advisory Board Dialogue**

*The event was successfully held on 13 January 2020 at Auditorium Tan Sri Prof. Chin Fung Kee, Wisma IEM, Petaling Jaya.*

#### 9.4.4 *IEM Guideline on Fire Protection Testing and Commissioning Procedure*

Excomm meeting on 7 December 2020 had approved in principle of the Guideline. The Advisory Board also had forwarded the Guideline to Bomba and now is awaiting for their comments and feedbacks.

### 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 2020-2021.

#### 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 2020*

##### (a) **Webinar on Flood Disaster Standard**

*The event was jointly organized and hosted by ASEAN Engineering Register (AER) and was successfully attended by various engineers from ASEAN countries on 28 April 2020.*

##### (b) **Webinar on Guideline for Flood Abatement Equipment**

*The event was jointly organized with Persatuan Insurans Am Malaysia (PIAM) on 13 August 2020 and was attended by 143 of PIAM members.*

##### (c) **Dialogue on Draft DMS 17W001R0: Emergency Preparedness Responses**

*The event was conducted on 30 September 2020 and was attended by 43 IEM members. This dialogue was a discussion on the draft to be submitted as the Public Comment to the Department of Standards Malaysia.*

##### (d) **Series 1: Impact on Climate Change Affecting Engineering Design and Infrastructure in ASEAN**

*The event was successfully hosted by the Disaster Preparedness Working Group of AFEO on 26 October 2020.*

##### (e) **Webinar on Hazard and Risk Mapping for Disaster Risk Reduction with Emphasis on Engineering Design**

*The event was successfully held during CAFEO 38 on 24 November 2020 which was done virtually across the ASEAN countries.*

#### 9.5.3 *Selangor Disaster Management Unit and Smart Selangor*

IEM was an observer in the Selangor Disaster Management Unit Working Group on High Tide Flooding Phenomena. IEM also had updated and translated the guide book on high tide flooding for the working group.

#### 9.5.4 *Position Paper On The Impacts Of Sea Level Rise On Coastal Communities And Development*

From the Forum on the Impact of Climate Change on Water Related Disaster, which was held on 10 October 2018 in Wisma IEM, Petaling Jaya, the committee had agreed to form a Working Group to write on the position paper on the matter. At the moment, the position paper is pending of approval from the IEM Council to proceed to the next level.

#### 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 and also on 'Manual on Disaster of ASEAN'. The meetings attended:

- a) AFEO Midterm Meeting (17-27 August 2020) hosted by Cambodia virtually
- b) 38th CAFEO (18-26 November 2020) held virtually and hosted by Vietnam

#### 9.5.6 *Position Paper On The Impacts Of Sea Level Rise On Coastal Communities And Development*

From the Forum on the Impact of Climate Change on Water Related Disaster, which was held on 10 October 2018 in Wisma IEM, Petaling Jaya, the committee had agreed to form a Working Group to write on the position paper on the matter. At the moment, the position paper is pending of approval from the IEM Council to proceed to the next level.

#### 9.5.7 *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 (SW)**

Ir. Hj. Mohd Radzi Salleh continued to serve as the Chairman of the Sub Committee for 2020-2021 session to consolidate progress reports from the relevant Committee 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 continued 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.

### 9.8 **IEM Arbitrator Appointment / ADR Advisory Board**

Ir. Dr. Wang Hong Kok was appointed to serve as the Chairman of the Sub Committee for 2020-2021 session.

#### 9.8.1 *New Member to Register as IEM Arbitrators*

IEM received 7 applications to register as IEM Arbitrator. There were 2 applicants from IEM members and 3 members from outside bodies. The applications were screened by the Sub Committee of Dispute Avoidance on Resolution Practice (DARP). Only one applicant, Ir. Lai Sze Ching qualified to be enrolled. The interview session was conducted on 28 October 2020 by the Panel Board of Interview which consist of President of IEM, Chairman of PPC and 2 Arbitrators. Ir. Lai Sze Ching has successfully appointed as IEM Arbitrator in Mechanical Engineering discipline.

### 9.9 **Sub Committee on Screening of Complaints and Queries**

Ir. Khoo Choong Keow continued 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 2020 session, the complaint received are as follow:

- (a) **The Complaint against IEM member on Plagiarism.**  
*The complainant claimed that the respondent had used his idea and concept of PHD for the respondent's full bright award. The complaint was screened by the Screening Committee of Complaint to give a recommendation as to whether an Investigation Committee needs to be set up. The Committee had interviewed the complainant to understand the nature of the complaint on 23 September 2020. The Committee further requested the Respondent to provide an explanation of the complaint against him. The matter is still under investigation.*
- (b) **Misconduct of Professional Engineer in Bintulu.**  
*The complaint is between the house buyer and the developer. The developer was said to have paid a substantial amount of money to BDA engineer through its consultant. It was claimed that the consultant company had falsely certified the infrastructure work constructed in full compliance with the approved plan. The consultant company was represented by an engineer who is IEM member. The complainant requested IEM to investigate if the consultant company had breached its professional conduct. A letter from IEM was sent to the complainant to refer the matter to the Board of Engineers Malaysia as the nature of the complaint made against the company.*

**(c) Drawing Layout Endorsement Issue.**

*IEM received an email from IEM members regarding the drawing of the layout endorsement which was rejected by the DOE of Perak. The endorsement was invalid due to the fact that his qualification does not match the required discipline. The Committee confirmed that the qualification of the Submitting Person must be in line with the registered discipline and not by experience. A letter was issued to the member to seek clarification from BEM as IEM is not a regulatory body to decide on this issue.*

**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:

**9.11 Outside Bodies Representation (OBR)**

The appointed Chairman, Ir. Dr. Wang Hong Kok continues to oversee 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 sector.

As for this exercise, the Secretariat reports and refers all incoming invitations made by external parties by referring and consult 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.

Currently, more than 100 members from IEM Excomm, Council and the respective Standing Committee, Technical Divisions, Special Interest Groups (SIG), Young Engineers Section (YES) and branch representatives representing IEM in more than 150 technical committees, working groups, opening ceremonies, dinner, events, dialogue and meetings at various local governments, agencies, institutions, and universities.

All representatives attended the external meetings will be required to produce a copy of the Outside Bodies Representation (OBR) report form within a week from the meeting date. 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 or Excomm if there is any matter that require further deliberation or decision.

IEM also continues to provide and assist with comments and input required by the industries such as Department of Standards Malaysia (DSM), Bomba, SIRIM and Jabatan Kerja Raya (JKR) by participating and serving as committee members in various meetings, dialogues and workshops. Aside from all this, IEM also continues to support other locals and international events and become one of the jointly organized and supporters without financial commitment. For these events supported by IEM, the organizers have been provided with an IEM logo for their promotional materials. In return, IEM will be given the proceedings of the conferences for the library and also complimentary seats to attend the conference.

Most of the details received has been uploaded regularly into IEM website (refer to [https://www.myiem.org.my/content/related\\_to\\_engineering\\_services\\_database-855.aspx](https://www.myiem.org.my/content/related_to_engineering_services_database-855.aspx)) and also forwarded to Library and InfoPub for dissemination to IEM members.

**10. STANDING COMMITTEE ON WELFARE AND SERVICE MATTERS**

**10.1** Ir. Prof. Dr. Ruslan bin Hassan served as Chairman for Session 2020/2021 and continued to look into means of improving the welfare and benefits to IEM members. This Standing Committee held its monthly meetings on every 3rd Tuesday of the month to discuss, review, recommend, approve and implement issues or matters pertaining to the welfare of IEM members. Activities such as the IEM Family Day and IEM Engineering Week were unfortunately been called off due to RMCO lifted during the session. Thus, Welfare coordinate more online webinar talks, which can benefit members of the Institution, were also planned and organized.

**10.2 IEM Benevolent Fund**

A total of 55,369.99 was received in the early year of 2020. IEM would like to record its appreciation to the members for their kind support and generosity. The balance available in the fund as at 31 December 2020 is 55,405.25.

**10.3 Jurutera Wargamas (JWS) and Exempted Members**

The scheme specially designed for members who are senior citizens or disabled was aimed to reducing the annual subscription for these members to an affordable amount. The affected members would need to pay 25% of the annual subscription fee with the balance to be settled from the IEM Benevolent Fund Account. For year 2020, there were 4 applications has been approved for the scheme.

**10.4 IEM Job Gallery****10.4.1 IEM Job Advertisement**

This is a job vacancy advertisement programme. The programme provides job vacancy advertisements through the IEM Website to its members and non-members who are looking for engineers on a full time/ contract or on part time basis to fill job vacancies in their respective companies. Job seekers can search for their desired employment in the IEM Website under 'Job Gallery' section for the latest job vacancy advertisements. There is no charges imposed for the job vacancy advertisement.

**10.4.2 Job Bank and Match-Make**

Welfare also assisting members who has difficulties on finding jobs due the MCO situation. Members are invited to submit their resume into Job Bank and Welfare will assist to match with suitable vacancy available.

**10.5 IEM Family Day 2020**

In line with the safety guidelines by the Ministry of Health (MOH) Malaysia, this annual event has been cancelled for this year. However, the Recognition Award for SPM/STPM/A-Level award recipients were still being offered to the children of IEM members who achieved outstanding results in their SPM, STPM and A-Level in 2019 exam. Certificates of achievement and prize shall be given to the winners. For this year a total of 20 SPM, 2 STPM & 5 A-Level students were rewarded.

**10.6 IEM Engineering Week 2020**

No event conducted at this year.

**10.7 Insurance Matters**

Several insurance schemes were arranged with insurance companies for members. Some of which were with AON Brokers Malaysia Sdn Bhd on Professional Indemnity Insurance, Zurich Insurance on Life and other General Insurance.

**10.8 Affinity Programmes**

IEM continue to collaborate with CIMB on the affinity credit card program which would benefit IEM where 0.1% of the amount spent by members using the card would contribute as rebate to IEM. Among of the other benefits is that IEM members could also pay their annual subscription 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% rebates is a substantial income to IEM whereby the more you spend, the more your contribution to IEM. In year 2020, CIMB also introduced a new segment for Young Professional under the Affinity Programme.

**10.9 Webinar Talks**

Welfare began to organize more webinar talks that can benefit IEM members with interesting topics on health issues, leaderships and financial management. This also include additional skills for the young engineers. Welfare is actively inviting more speakers from various background to conduct webinar talks.

**10.10 Other Benefit Projects**

The Committee continues to negotiate with vendors and merchants to look into join collaboration for the benefit of IEM members. For the year 2019, the Committee had renewed corporate rates from Mercedes Benz, Audi, BMW & Mini, Volvo, BP Healthcare, Institut Jantung Negara, HSC Medical Center, World of Sports, Red Wing Shoes, Focus Point etc. The Sub-Committee also managed to continue the collaboration for the year 2020 with new merchants such as Wolverine, Subaru and Evolution Wellness (Chi Fitness, Celebrity Fitness, Fitness First Malaysia).

The Committee will continue to implement more activities for the welfare of members as well as providing excellent services to the members.

**10.11 Financial Aid for Engineer in Distress**

Understanding the struggling to survive the Covid-19 crisis and the MCO restrictions, Welfare is collaborating with Bank Islam Malaysia Berhad (BIMB) by offering financial assistance to IEM members especially to those who have lost their employment or reduced monthly income. Among the product offered are personal financing, house financing, SME and others.

**11. STANDING COMMITTEE ON CORPORATE AFFAIRS**

11.1 The Standing Committee continues to oversee various initiatives to improve the image of IEM. The Committee had been tasked to ensure that the position of IEM remains as the premier engineering institution in Malaysia and in the ASEAN region. This Standing Committee continues to handle also the co-ordination of the international involvement of IEM, monitors the activities of the various IEM foreign initiatives as well as looking into local issues such as

- Forging ties with other professional bodies locally and overseas
- Representation of the Institution in public and statutory authorities and other relevant organisations
- Fostering closer rapport with them in order to enhance the public image and status of the Institution.
- Handling affairs of PR duties as part of its monthly agenda.

Ir. Mohd Khir bin Muhammad took over the Chairmanship from Ir. Prof. Dr. Jeffrey Chiang Choong Luin and continued to look into means of improving the image of the Institution in the eyes of its members and general public.

#### 11.2 MoUs with Overseas Engineering Institutions

The Chairman of the Subcommittee on MoU is Ir. Hj. Mohd. Ali bin Yusoff. In the year under review IEM established Agreements / MoUs with the following institutions:

Institution of Mechanical Engineers, UK	24 August 2020
Universiti Teknologi MARA	1 March 2021

#### 11.3 MoUs 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.

However, due to the COVID-19 Pandemic, MoU signing with Institutions of Higher Learning had to be postponed.

#### 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.

A total of three (3) press statements were sent and four (4) press clippings were published in the media. The press statements and clippings were uploaded onto the IEM Web Portal Newsroom for the general member's information.

#### 11.5 Branding of IEM

In the period under review, Subcommittee on Social Media were initiated to look into means of improving the branding of the Institution and to have solid social media presence. An Instagram page was created under the name @myiem\_official and growing numbers of followers after its inception.

Besides Instagram page, IEM also embarked on having a Telegram page for easier communication with its members. The page's purpose is to share IEM's latest events and activities and also to share information on various engineering issues and matter of national interest that can benefit IEM members.

#### 11.6 "Engineers Meet the Public" Session

Based on the Key Results Areas (KRA) from the President Ir. Ong Ching Loon, IEM has to engage more activities with the public so as to have more interaction. The Standing Committee was requested to look into organizing an Engineer Meet the Public Session. Engineer Meet-the-Public Session was conceived as service to offer solutions to the general populace, who might be troubled by problems related to Engineering. Whether it is contractual dispute, technical negligence or delay of project, IEM is ready to send a member from the right discipline to assist the complainant and work out a solution. As the nurturing of future talents is of utmost importance, the platform is also open to members of the public who may wish to seek the view of professionals in the selection of Engineering courses. By offering this Corporate Social Responsibility (CSR) programme that is beneficial to the needy, it is expected to raise the profile of IEM as a professional learned society that cares about the well-being of the general public.

#### 11.7 Dialogues with Government Ministers, Government Agencies, Ministry Officials and Local Councils

Due to the COVID-19 Pandemic, dialogues with Government Ministers, Government Agencies, Ministry Officials and Local Councils had to be postponed. However few dialogues between IEM technical divisions and technical agencies i.e. DOSH and BOMBA were conducted online.

#### 11.8 Inter-Professional Activities

Ties with other professional bodies/relevant organisations.

The Institution continued its close rapport with other local professional bodies and organisations amongst which include:

- Board of Engineers Malaysia (BEM)
- The Chartered Institute of Arbitrators (CI Arb)
- The Malaysian Institute of Arbitrators (MI Arb)
- Association of Consulting Engineers, Malaysia (ACEM)
- Pertubuhan Akitek Malaysia (PAM)
- The Institution of Surveyors, Malaysia (ISM)

- Construction Industry Development Board (CIDB)
- Balai Ikhtisas Malaysia (BIM)
- Malaysian Services Providers Confederation (MSPC)
- Building Management Association of Malaysia (MBAM)
- Confederation of Scientific and Technological Associations in Malaysia (COSTAM)
- Malaysia Structural Steel Association (MSSA)
- Professional Skills Development Centre (PSDC)
- Department of Standards Malaysia (DSM)
- Standards and Industrial Research Institute of Malaysia (SIRIM)

## 11.9 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 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.

### 11.9.1 ASEAN Federation of Engineering Organisations (AFEO) Secretariat

The IEM continued to host the AFEO's Secretariat with Ir. Mohd Khir bin Muhammad taking over the position of Secretary-General for the year 2020/2021 on 25 August 2020 during the IEM AGM.

The Midterm Meeting of the AFEO Board of Governors was hosted by Board of Engineers, Cambodia from 17-27 August 2020 and again due to the pandemic COVID-19 lockdown where international travels were banned, the meeting was conducted virtually by the AFEO Secretariat based in IEM.

For the 1st time the founding members of AFEO were present at the Governing Board meeting together with representatives from various organisations including Laos.

Due to the risk posed by the pandemic still not resolved, VUSTA (Vietnam) decided to host the 38th CAFEO 2020 from 18 – 26 November 2020 via hybrid mode allowing local Vietnam engineers to participate physically while the overseas delegates attended online. Approximately 50 representatives from IEM attended the Work Group meetings and 100 participants attended the Conferences, business networking sessions, virtual exhibitions and webinar sessions. The opening ceremony of CAFEO 38 was officiated by the Deputy Prime Minister of Vietnam on 25 November 2020 with the theme "Fostering Initiatives and Actions by AFEO to Building a Sustainable and Prosperous ASEAN Community". The 38th AFEO Governing Board chaired by VUSTA with the signing of the Ha Noi Declaration took place on 26 November 2020. VUSTA then handed the chairmanship to PUJA (Brunei) who will be hosting CAFEO 39 in Bandar Seri Begawan in late 2021 with the theme "Engineering and Climate Change."

The Governing Board also endorsed a list of Distinguished Honorary Fellows, Honorary Fellows and Honorary Members. The IEM members who received the conferment for 2020 were:

<b>AFEO Honorary Fellows</b>
Datuk Wira Ir. Md Sidek bin Ahmad
YDH Toh Paduka Setia Dato' Ir. Dr. Safry Kamal Ahmad
Ir. Megat Johari bin Megat Mohd Noor
Ir. Yau Chau Fong,
Ir. Dr. Wang Hong Kok

<b>AFEO Honorary Member</b>
Ir. Dr. Goh Teik Cheong
Ir. Razmahwata bin Mohamad Razalli
Ir. Abdul Razak bin Yakob
Ir. Dr. Tony Chan Tuck Leong
Ir. Abdul Razak bin Ali
Dr. Yew Weng Kean
Mr. Alex Looi Tink Huey
Ir. Sharifah Azlina binti Raja Kamal Pasmah
Ir. David Chuah Joon Huang
Mr. Low Pek Jun

### 11.9.2 ASEAN Engineering Register

IEM was re-appointed to host the Secretariat of the ASEAN Engineering Register (AER). The ASEAN Engineering Register Executive Committee continue to be based at IEM Ir. Yau Chau Fong was appointed as the AER Head Commissioner on 25 August 2020 and chaired the monthly meetings to look into the affairs of the AER membership for the 10 countries.

The total membership of the various grades from IEM and TAM for the ASEAN Engineering Register in Malaysia is 2,844. The number of members registered by IEM for the grades of ASEAN Engineer (AE) and Associate ASEAN Engineer (AAE) is recorded at 2,493. The breakdown is indicated below:

Grade	AE	AAE	AET	AAET	AT	AAT
New admission 2020	20	24	2	2	0	0
2020	683	1810	45	179	10	117
Deleted / Resigned / Deceased	211	9	1	5	1	2
<b>Overall registered members</b>	<b>894</b>	<b>1819</b>	<b>46</b>	<b>182</b>	<b>11</b>	<b>119</b>

Breakdown of members deleted, resigned and deceased were noted as follows:

Grade	Deleted	Resigned	Deceased
AE	179	18	14
AAE	-	5	4
AET	-	-	1
AAET	-	1	4
AT	-	-	1
AAT	-	-	2
<b>Total</b>	<b>179</b>	<b>24</b>	<b>26</b>

#### 11.9.3 AER National Monitoring Committee (NMC)

Ir. Dr. Tan Chee Fai took over the Chairmanship of this Committee. The main role of the AER NMC in IEM is to process applications for IEM members and TAM members applying to be registered as AER through TAM. The Committee also arranged for AER certificates and medallions presentation to successful applicants from IEM and TAM.

#### 11.9.4 Asia Pacific Economic Cooperation and Engineers Mobility Forum (APEC/EMF) International Engineer Register Committee

The APEC Engineer/IntPE status in Malaysia is set up amongst three organisations namely BEM, IEM and ACEM. The BEM Board President Y.Bhg. Dato' Ir. Haji Mohamad Zulkefly bin Sulaiman chaired the National Monitoring Committee Meeting which is also based at BEM. The APEC NMC consists of two representatives each from BEM, IEM and ACEM, whereby IEM is represented by the IEM President, Ir. Ong Ching Loon, and Deputy President, Ir. Prof Dr Norlida Buniyamin.

The processing of applications from IEM members for these Registers is under the purview of the Standing Committee on Admissions and Practical Training chaired by Ir. Dr. Tan Chee Fai. The IEM Membership Application Board chaired by Ir. Dr. Lee Yun Fook would vet and process all applications and forward the submissions to the Standing Committee for approval. To date, a total of 462 members have registered for both the Registers.

The present strength of the register is 553 members. The details are as follows:  
 (Admitted and Total Registered 2020) = 23 Members

	Civil	Mechanical	Electrical	Environment	Geotechnical	Total	YTD
January 2020	2		3		1	6	640
March 2020	1	3	1	1		6	646
July 2020		1				1	647
September 2020		3				3	650
October 2020			3			3	653
November 2020	2	1	1			4	657
						23	

1	Total registered APEC Engineer/IPE members	553
2	Erased, resigned and deceased	104
3	Reinstated	0
	<b>Total registered applications</b>	<b>657</b>

IEM's status in the APEC/IPEA Register was reviewed by IEA in 2020 and documents for the audit had been finalized and submitted for review by the auditors from US, Hong Kong and Korea. The Review Audit was completed in December 2020 and expected to be approved at the June 20-25 IEA Meeting in Ireland.

IEM had also sent in the application to for Provisional Signatory of the International Engineering Technologists Agreement (IETA) and Agreement for International Engineering Technicians (AIET) Registers. Result will also be known at the IEA meeting in June 2021.

#### 11.10 **International Engineering Alliance (IEA)**

The International Alliance Meeting (IEAM 2020) which was to be organized in South Africa too had to be cancelled due to the pandemic and the virtual online meeting was conducted by the IEA Secretariat in Wellington, New Zealand from 21-28 June 2020.

IEM was represented by the then President, Ir. David Lai Kong Phooi, Incoming President, Ir. Ong Ching Loon and Chair of the Standing Committee on Examinations and Qualifications, Ir. Prof. Dr. Norlida binti Bunyamin. IEM members who also attended meetings of the Accords/Agreement included Ir. Chen Harn Shen, Ir. Lee Boon Chong, Ir. Fam Yew Hin, Ir. Prof. Dr. Leong Wai Yie and Ir. Dr. Tan Chee Fai. Malaysia represented by BEM were granted provisional membership of the Sydney and Dublin Accords.

The next IEA meeting scheduled from 22-25 June 2021 would also be held virtually.

#### 11.11 **Federation of Engineering Institutions of Asia and the Pacific (FEIAP)**

IEM continue to host the FEIAP Secretariat for another five years from 2018 until 2023 with Ir. Dr. Tan Yean Chin as the Secretary General. Prof. Dr. Hwang Wei, Provost of Northwestern Polytechnical University (NWPU) of Chinese Association of Science and Technology (CAST) continued as the FEIAP President for a second session. Dr. Charlie Than of Myanmar Engineering Council (MEngC) continued as the FEIAP President-Elect. The 28<sup>th</sup> General Assembly was also conducted virtually on zoom platform from 25 July 2020.

During the General Assembly, Y.Bhg. Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik was re-appointed as the Chairman of the Standing Committee on Engineering Education while Ir. Yeoh Su Hong maintained his chairmanship of the Youth Talent Development Working Group. The Standing Committees of FEIAP had their yearly meeting from 21- 24 July 2020 online hosted by the FEIAP Secretariat based in IEM.

The 29<sup>th</sup> General Assembly to be hosted by Philippines Technological Council (PTC) would be held in Cebu Island, Philippines in conjunction with the 5<sup>th</sup> FEIAP Convention on 24- 26 July 2021.

#### 11.12 **Federation of Engineering Institutions of Islamic Countries (FEIIC)**

The IEM representatives appointed by Excomm were Ir. Mohd Khir Muhammad, Ir. Dr. Norlida Bunyamin and Ir. Prof. Dr. Ruslan Hassan. Ir. Prof. Dr. Ruslan presence would be on self-financing basis. Dr. Jamil Jarallah Bagawi of Saudi Council of Engineers (SCE) continued as the FEIIC President while the Deputy President is Engr. Jawed Qureshi of Pakistan Engineering Council (PEC). The Malaysian representatives, Ir. Prof. Megat Johari bin Megat Mohd Noor was elected the Vice President while Ir. Prof. Dr. Ruslan was elected as its Council member.

There was no meeting held in 2020 due to the COVID-19 pandemic.

#### 11.13 **World Federation of Engineering Organisations (WFEO)**

Prof. Gong Ke took over the Presidency of WFEO with Engr. Mustafa bin Shehu of Nigerian Society of Engineers (NSE) being elected as the Executive Vice President of WFEO. The President-Elect is José Manuel Vieira of FEANI, the European Federation of National Engineering Associations.

IEM's official representatives to WFEO are the President and Hon Secretary. WFEO GA 2021 hosted by Colegio Federado de Ingenieros y de Arquitectos de Costa Rica (CFIA) is planned from 24-29 October 2021 in San Jose, Costa Rica. WFEO continue to organize webinars for its members touching on issues related to their Standing Technical Committees such as Engineering and the Environment, Women in Engineering, Engineering and Capacity Building etc. The WFEO President held webinar sessions with the members' jurisdiction providing General Information on WFEO activities and plan for the coming year.

IEM would continue to support all the activities of WFEO, the latest being activities held in conjunction with the World Engineering Day on 4 March 2021.

#### 11.14 **Commonwealth Engineers Council (CEC)**

CEC had been re-accredited by the Commonwealth Secretariat in 2021.

#### 11.15 **Asian Pacific Confederation of Chemical Engineers (APCChE) Director's Board Meeting and Congress**

IEM was to host the APCChE Board Meeting and Congress in 2021 but both events were postponed to 2022 in view of the COVID-19 pandemic.

Ir. Prof. Dr. Dominic Foo Chwan Yee as representative from IEM was elected as the Chair of the APCChE Board.

### 11.16 International Tunnelling Association (ITA)

Ir. Dr. Boon Chia Weng continued as the IEM representative for the ITA young members with Ir. Dr. Ooi Teik Aun as the IEM representative. ITA with IEM Training Centre had organized the virtual conference for ITA-AITES World Tunnel Digital Congress 2020 (WTC 2020) and Exhibition on the 11 to 17 September 2020.

The conference was held digitally for the first time in ITA's history due to the pandemic. The successful completion of the digital conference was also a historical milestone achievement for IEM. 78 virtual exhibition booths were on display with 1096 delegates attending the conference virtually.

## 12. AWARDS COMMITTEE

12.1 Ir. Ong Ching Loon, the IEM President, chaired this Committee for the session 2020/2021. The Committee met 3 times during the session 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 25 July 2020. Balloting was carried out thereafter to obtain approval from the general membership. Approval was obtained from the general membership for submission to ROS in September 2020. ROS approval was obtained on 6 November 2020.

13.2 The new IEM Constitution and Bylaws can be accessed from the IEM website at [www.myiem.org.my](http://www.myiem.org.my).

## 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.

Like previous years, gold medals were awarded to the best final year engineering students from all the universities and institution of higher learning in Malaysia who have collaboration with IEM were presented with the gold medal.

The IEM Book Prize were also awarded to the best first year engineering student of all universities who had signed MOU's with IEM. A total of 4 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 2020, 5 students were awarded the Koon Yew Yin scholarship, and Ivan Matthias Chin Zhen Hung from Curtin University with outstanding academic result was awarded the Presidential scholarship.

<b>Koon Yew Yin Scholarship Recipient 2020:</b>
Dharshiniey a/p Devandran
Lau Sing Er
Yeo Su Ying
Ivan Joseph a/l Sivasangara
Mohamad Haqim bin Mohamad Roslan

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:

- Universiti Multimedia – MMU (Melaka)
- Universiti Teknologi Malaysia – UTM
- Universiti Sains Malaysia – USM (Nibong Tebal, Pulau Pinang)
- Universiti Teknologi MARA – UiTM (Shah Alam)
- Universiti Teknologi MARA – UiTM (Pulau Pinang)
- Universiti Tenaga Malaysia – UNITEN (Bangi)
- Universiti Tunku Abdul Rahman – UTAR (KL)
- Universiti Teknologi Petronas – UTP (Perak)
- Universiti Malaysia Sabah – UMS (Sabah)
- Universiti Malaysia Pahang – UMP (Pahang)
- Universiti Tunku Abdul Rahman – UTAR (Kampar)
- Universiti Tun Hussein Onn Malaysia – UTHM (Batu Pahat)
- Curtin University – Curtin (Sarawak)
- Universiti Malaysia Perlis – (UniMAP)
- Universiti Teknikal Malaysia Melaka (UTeM)
- Universiti Malaysia Sarawak (UNIMAS)
- Universiti College Sedaya International (UCSI)
- Asia Pacific University of Technology and Innovation (APU)
- Monash University Malaysia (MUKL)
- Multimedia University – MMU (Cyberjaya)
- Taylor's University – Lakeside Campus (Subang)
- Swinburne University of Technology (Sarawak)
- The University of Nottingham Malaysia
- Nilai University
- Manipal University
- International Islamic University Malaysia
- SEGi University
- Tunku Abdul Rahman University College
- MAHSA University

14.3 The Education Fund Management Board also continue to sponsor the Tan Sri Hj. Yusoff Ibrahim FYP Competition in 2020. The winners for 2020 are as follows:

<b>Winner</b>	<b>Discipline</b>	<b>Project Title</b>
Martin Mo Shuen Ching <i>Curtin University</i>	Petroleum	A methodology to Improve Production from Unconventional Reservoirs Through Stimulation
<b>2nd</b>	<b>Discipline</b>	<b>Project Title</b>
Jason Chia <i>Multimedia University</i>	Electronic (Computer Eng.)	Design and Analysis of Identity-Based Identification Schemes with Tight Security
<b>3rd</b>	<b>Discipline</b>	<b>Project Title</b>
Shams Khaled Elhossemy Ghazy Essawy <i>The University of Nottingham Malaysia</i>	Civil	Future-proofing Klang Valley's Veins: A framework for directing transportation technologies towards infrastructure resilience

Consolation Prizes	Discipline	Project Title
Ong Wei <i>Tunku Abdul Rahman University College</i>	Material & Manufacturing	Novel Graphene-Indium (III) Oxide-Molybdenum Disulfide Ternary Composite for Electrochemical Capacitor Application
Chew Yui Yee <i>Universiti Tunku Abdul Rahman</i>	Mechatronic	IoT Water Quality Monitoring System
Koay Hsein Wern <i>The University of Nottingham Malaysia</i>	Chemical & Environmental	Process Intensification of Antisolvent Crystallization of NaCl using Millichannel in the presence of Ultrasound
Oon Chee Yee <i>Monash University Malaysia</i>	Mechanical	Investigate the enhancement of droplet repellent on hydrophobic surface by kHz Frequency Vibrations

## 15. IEM POSITION PAPERS

- 15.1 The Co-ordinating Committee for Position Papers chaired by the President, Ir. Ong Ching Loon was entrusted to monitor and co-ordinate the progress of the Committees set up to prepare each position paper.
- 15.2 The Co-ordinating Committee continue to review the previously approved Position Papers to have them updated accordingly.

Two Position Papers were completed in the year 2020 namely the Position Paper on “Impact on Sea Level Rise on Coastal Communities and Development” and Position Paper on “Building Railway Engineering Capacity for the Future” where the latter was presented to the Ministry of Transport on 3 March 2021.

Two (2) new Position Paper Committees were formed during the session:

- i) Position Paper on Revolutionized Construction Industry 4.0 for Practice in Malaysia
- ii) Position Paper on Capacity Building and Standards Development for National Policy on Industry 4.0

The Position on “Centre of Excellence for Dam Engineering in Malaysia” was renamed as “Water Supply Resilience in Malaysia” and is currently in progress.

IEM also formed a Task Force on Preparation of Engineering Guidelines for Prevention and Control of Dengue which is a collaboration between IEM Headquarters, Branches and the Technical Divisions. The Task Force is chaired by Dato’ Ir. Lim Chow Hock.

## 16. BRANCHES AND SECTIONS

### 16.1 Penang Branch

- 16.1.1 Ir. Yau Ann Nian was elected as the Branch Chairman for session 2020/2021. The total membership as at of 31 Dec 2020, the Branch stands at 2,292 with 30 Fellows, 3 Senior Members, 579 Members, 4 Incorporated Members, 445 Graduate Members, 22 Companions, 2 Associate Members, 1 Affiliate member and 1206 Student Members.

During the 2020/2021 session, the IEM Penang Branch Committee together with the Young Engineers Section (YES) and Women Engineers (WE) have organized numerous activities despite the pandemic situation. 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.

- 16.1.2 Activities carried out during this 2019/2020 session are listed as below: -

08/04-13/04/2020	<b>IEM Penang Covid-19 Charity Drive to Penang General Hospital</b> This charity was held at Penang General Hospital and attended by 31 participants.
17/05/2020	<b>YES Blood Donation Campaign</b> This campaign was held at Kompleks Masyarakat Penyayang and attended by 80 members.
06/06/2020	<b>Online Talk on Storytelling with Data: How to engage audience with data and drive meaningful actions</b> The speaker was Ir. Dr. Ivan Ling Ting Yang and 12 members attended this talk.
13/06/2020	<b>Online Technical Talk on “How to Become a PMP® and Successful Project Manager?”</b> This talk was attended by 28 members.
13/06/2020	<b>Charity Drive:</b> Penang Handicapped Welfare Association and Be Home For Special Care, Penang.

18/06/2020	<b>Workshop on Route to Professional Engineers</b> Penang Branch collaborated with PSDC for this workshop and there were 40 participants.
25/06/2020	<b>Virtual Talk on Micro Vibration Monitoring &amp; Structural Engineering for Vibration Sensitivity Equipment</b> 58 members attended this talk and the speaker was Ir. Dr. Tang Kok Cheong.
16/07/2020	<b>Online Talk on Future trend of the optoelectronic device: Past, Current, and Future Perspective. How can electrical and electronic engineering cope with the changes?</b> 15 members participated in this virtual talk and the speaker was Dr. Tan Chee Leong.
18/07/2020	<b>Brainstorming on YES Interaction Day include Make-A-Plan Day, Monthly Meeting, Recruitment, and Team Building</b> This event was held at IEM Penang Secretariat with a total of 20 participants.
18/07/2020	<b>Seminar on Urban planning &amp; Infrastructures Development: Where we were, now &amp; heading to, from industrialization points of view and economically?</b> Dato' Seri Lee Kah Choon was the speaker for this Seminar at Hotel Bayview Resort. 63 participants attended the seminar.
23/07/2020	<b>Magnetic Resonance Imaging (MRI) Safety Technical Talk</b> Ir. Shamila Ariaratnam was the speaker and there were 24 participants.
24/07/2020	<b>Online half-day Seminar on Updating Fire Detection Knowledge &amp; Beyond</b> 69 participants attended the seminar presented by Mr. Alan.
31/07/2020	<b>Online Half-Day Seminar on Clean Agent</b> 51 members attended this online talk presented by Mr. Shiju SB.
08/08/2020	<b>Online Technical Talk on Design &amp; Construction of Segmental Box Girder Bridge</b> The speaker was Ir. Low Hin Foo and the talk was attended by 52 members.
10/08/2020	<b>Development &amp; Fabrication of Low to High Strength, and Antiballistic of Malaysian Bamboo Laminated Composites Virtual Talk</b> 24 members attended this talk by Dr. Aidy Ali.
15/08/2020	<b>Half Day Seminar on Photovoltaic Technology &amp; Sharing Experience on NEM Solar PV (RE) Renewable Energy</b> Dr. Mohd Zamir & Ir. Chau Hoo Wan were the speakers for this Seminar at Hotel Bayview Resort. 58 participants attended the seminar.
21/08/2020	<b>Introduction to DNA electronics and its potential applications Virtual Talk</b> This talk was presented by Assoc. Prof. Dr. Vengadesh Periasamy.
22/08/2020	<b>12<sup>th</sup> eETD Annual General Meeting</b> 30 members attended the AGM of the Technical Division chaired by Ir. Dr Khor Jeen Ghee and Dr. Mui Kai Yin.
26/08/2020	<b>Half-Day Seminar on Standard Specification of Material for Cladding &amp; Other Building Accessories</b> Mr. Jack Chum was the speaker and 49 members attended. Seminar was held at Hotel Bayview Resort.
29/08/2020	<b>Sustainable Development and Sustainability Reporting: An Overview to Building Sustainability Online Talk</b> This talk was attended by 33 members. Speaker was Ms. Goh Hui Weng.
02/09/2020	<b>Rebar detection and reinforced concrete floor thickness estimation using Ground Penetrating Radar Online Talk</b> A total of 79 participants attended the online talk presented by Mr. Shahrul Fithry bin Senin.
05/09/2020	<b>Seminar on Building with the mountain</b> This seminar held at Bayview Hotel was presented by Dr. Peter Wyss. A total of 74 members attended.
10/09/2020	<b>The application of prestressed high-strength concrete (PHC) Pile as foundation for Offshore engineering Virtual Talk</b> 92 members attended this event. The speaker was Mr. Calvin.
12/09/2020	<b>Technical Visit to Aquaponic Science Park</b> 11 participants joined this visit.
16/09/2020	<b>YES &amp; Exec. Committee Cycling Teambuilding</b> 13 Committee members attended this social activity.
19/09/2020	<b>Technical Visit to Aquaponic Science Park</b> 11 participants visited this Aquaponic Science Park at Simpang Ampat, Penang.
24/09/2020	<b>Steel Fiber for Slab-on-Pile Structure Online Technical Talk</b> Mr Torpong Thanadka & Mr. Peter Chan are the speakers for this talk. Total of 45 members joined.
26/09/2020	<b>Online Course on Timber Structure - 1: Timber as Construction Material – Perception &amp; Challenges and 2: Development of Malaysia Standard (MS)</b> Total of 51 participants and the speaker are Prof. Dr. Badorul Hisham Abu Bakar and Pn. Hamidah Abdullah.
30/09/2020	<b>Virtual Talk on Impact of Covid19 and MCO/CMCO/RMCO on construction Projects, what to expect and what to do?</b> This Talk was by Ir. Lai Sze Ching and there are 42 participants.

08/10/2020	<b>Online Talk on Food Security in Malaysia. Where are we now?</b> This Talk was by Mr. Tan Zhai Gen. 23 members participated.
08/10/2020	<b>IEM recruitment drive to USM students at Nibong Tebal, Penang.</b> Led by Ir. Catherine Sim & Assoc. Prof. Dr. Lau Tze Liang. It was conducted both physically and virtually.
15/10/2020	<b>Online Talk on Geotechnical Design &amp; Construction Considerations for a Pedestrian Bridge</b> Speaker is Ir. Tan Su Kwong and total participants was 74 attended.
21/10/2020	<b>Virtual Talk “How to use Intellectual Property to your benefit during and after the COVID-19 Pandemic”</b> Mr. Byran Wong is the speaker for this Talk and 15 members attended.
13/11/2020	<b>Sophisticated Technology New Air Conditioning System: Magboost Technology (Chiller System)</b> This Seminar was held at IEM Penang Secretariat. Total of 45 members attended.
30/11/2020	<b>Talk for UiTM Engineering School’s ‘Civil Engineering Entrepreneur Day’</b> Dato’Ir. Dr. Goh Teik Cheong represented and attended by 700 participants.
01/12/2020	<b>Online talk on Traffic Impact Assessment</b> Asso. Prof. Ir. Dr. Leong Lee Vien is the speaker for this talk. Total of 23 members attended the talk.
03/12/2020	<b>End of CMOS miniaturization and technology Virtual Talk</b> The Talk is by Prof Hiroshi Iwai from NCTU Taiwan and are attended by 150 members.
03/12/2020	<b>AI Deep Learning: Blurring the Line between Real and the Fake Virtual Talk</b> About 29 members attended this online Talk by Dr. Chen Change, Loy.
09/12/2020	<b>Online Talk on Nanocarbon Interconnects - from 1D to 3D</b> The speaker is Prof. Cary Yang and 40 members attended this talk.
12/12/2020	<b>YES Annual General Meeting</b> The AGM was conducted virtually & physically and attended by 25 members.
19/12/2020	<b>PI Interviewer Refresh Workshop</b> The workshop was held at IEM Penang Secretariat and attended by 26 participants.
29/12/2020	<b>Women Engineers’ Appreciation Dinner.</b> This gathering was held at G-Hotel, Penang. Total of 17 participants.
29/12/2020	<b>Dialogue with Jabatan Bomba in Batu Kawan</b> This dialogue was led Ir. Chan Wah Cheong and attended by 17 members.

## 16.2 Southern Branch

16.2.1 Ir. Wong Yee Foong took over as the Chairman for session 2020/2021. The total membership as of 28th February 2021 of the Southern Branch stands at 5421 with 1 Honorary Fellow, 55 Fellows, 1 Honorary Member, 5 Senior Members, 690 Members, 40 Senior Graduate Members, 764 Graduate Members, 1 Affiliate Member, 10 Incorporated Members, 1 Associate Member, and 3853 Student Members.

16.2.2 The following activities were conducted by the Southern Branch for the year 2019:

11/07/2020	<b>Half-Day Talk on Power Hydraulics for Heavy Machinery: System Optimization and Cost Saving</b> By Ir. Assoc. Prof. Yahaya Ramli. The talk was attended by 30 members.
19/07/2020	<b>Talk on “Route to MIEM and Professional Engineer” at JPS Johor.</b> This talk was delivered by Ir. Lee Meng Chiat, Ir. Wong Yee Foong and Ir. Hj. Zainuddin bin Md. Ghazali. 20 participants attended the talk.
08/08/2020	<b>The 47<sup>th</sup> Annual General Meeting (AGM) of IEM (Southern Branch)</b> The event was held at The Trove Hotel, Johor Bahru.
22/08/2020	<b>Half-day Talk on Potential Saving Through Energy Management</b> The speaker was Assoc. Prof. Dr. Mohammad Kamil bin Abdullah and 30 members attended the talk.
04/09/2020	<b>YES Gathering: Sharing Session</b> The event was held at IEM (Southern Branch) Training Centre, Johor Bahru.
06/09/2020	<b>Sporting Program – Badminton Session</b> This activity was held at Tiara Sports World and was attended by 12 members.
19/09/2020	<b>PI-OBCA Workshop: Route to Become MIEM and Professional Engineers</b> Organized by IEM (Southern Branch) Training Centre, the speakers were Ir. Lee Meng Chiat and Ir. Thavala Rajah. 22 members attended.
20/09/2020	<b>Talk on Route to be M.I.E.M and Professional Engineer</b> in conjunction with Seminar Kejuruteraan Awam (SEMKA) Semester 2, Session 2019/2020 at UTM, Johor by Ir. Hj. Zainuddin bin Md. Ghazali. 150 students participated in the talk.
03/10/2020	<b>Half-Day Talk on Application of Computational Fluid Dynamics (CFD) and its Application in Biomedical Engineering for Human Well-Being</b> Speaker was Prof. Dr. Kahar bin Osman with 26 participants.

08/10/2020	<b>Technical Visit to Indah Water Konsortium (IWK) Sewerage Treatment Plants</b> Total members who participated in the visit was 26.
23/10/2020	<b>Webinar Talk on Impact of COVID-19 and MCO/CMCO/ RMCO on Construction Projects, What to Expect, And What to Do?</b> Speaker was Ir. Lai Sze Ching and a total of 48 members attended talk.
06/11/2020	<b>YES Sharing Session : “How Engineer can Play A Role in Dengue Prevention”</b> Event was held at IEM (SB) Training Centre with 18 participants.
12/11/2020	<b>IEM-UTM Student Section Committee Welcoming Session</b> Event was held at UTM Skudai, Johor Bahru with attendance of 44 members.
12/11/2020	<b>YES Webinar Coding with Python</b> Online course with Digital Platform – Microsoft Team and there were 48 members who attended.
13/11-21/11/2020	<b>Webinar on Beyond Pandemic organized by IEM-UTM Student Section</b> Total 830 members attended and speakers are Ir. Lim Gee Zhiong, Ir. Bencee Ch'ng, Mr. Kenneth Chow, Mr. Kok Mun Tang, Mr. Kah Hong and Mrs. Durga Devi Happala Naidu.
16/12/2020	<b>Virtual Robocon Malaysia 2020</b> UTM Robocon Team collaboration with IEM (SB) YES, UTM & UTHM Student Section.
21/11/2020	<b>Webinar Talk on Basic Off-Grid Solar Photovoltaic (OGPV) Design for Non-Electrical Personnel</b> Speaker is Assoc. Prof. Dr. Dr. Jasrul Jamani bin Jamian with 45 participants.
28/11/2020	<b>Half-Day Online Talk on "Making Sense of Internet-of-Things: Concept and Applications</b> Total participants were 33 members and was delivered by Dr. Rozeha A. Rashid.
30/11/2020	<b>IEM-UTM Student Section Logo Design Contest</b> This contest was held via Digital Platform with 77 participants.
19/12/2020	<b>IEM-UTM Student Section: PROLink (A Professional Resume &amp; LinkedIn Workshop)</b> This workshop was held via Digital Platform with 50 students attended.
10/01/2021	<b>YES IEM (Southern Branch) Annual General Meeting</b> This event was held in Digital Platform with 20 members attended.
10/01/2021	<b>Technical Talk on Conducting HAZOP Study for Engineers, Scientists and Managers</b> Speaker is Ir. Dr. Eow John Son and there were 48 participants.

### 16.3 Sabah Branch

16.3.1 Ir. Jeffrey Ng Yun Ping took over as Chairman for session 2020/2021. Membership of the Branch stood at 2,107 comprising 2 Honorary Fellows, 41 Fellows, 1 Senior Member, 616 Members, 7 Senior Graduate Members, 475 Graduate Members, 1 Incorporated Member, 3 Associate Members and 961 Student Members.

16.3.2 Activities conducted by the Branch in the last session are listed below:

05/08/2020	<b>IEM-YES Online Talk on Introduction to the Grid-Connected Solar Photovoltaic (PV) System</b> This virtual talk was attended by 71 members and the speaker was Ir. Roger Wong.
17/08-18/08/2020	<b>IEM-DID Sabah 2 Day Workshop on Malaysian Civil Engineering Standard Method of Measurement (MYCESMM2)</b> This event speaker was Ir. Hj. Shahul Ikram bin Hj. Adnan and a total of 48 participants attended the workshop.
29/08/2020	<b>SGM (Special General Meeting)</b> This event was held at Promenade Hotel, Kota Kinabalu.
05/11/2020	<b>Webinar on Optimizing Foundation Solutions with Ground Improvement &amp; Design Risk &amp; Lessons Learnt in Ground Improvement Projects by Keller ASEAN</b> Speakers were Dr. Leong Kam Weng and Er. William Chong and 164 members attended.
26/11/2020	<b>IEM Sabah – 3M Talk on MV Cable Splice &amp; Termination</b> This talk was attended by 20 members and speaker was Mr. Selvakumar.

### 16.14 Sarawak Branch

16.4.1 Ir. Haidel Heli was re-elected as Branch Chairman for session 2020/2021.

The membership of the Branch for year 2020 was 4,601 with 2 Honorary Fellows, 37 Fellows, 3 Senior Members, 820 Members, 28 Senior Graduate Members, 782 Graduate Members, 8 Incorporated Members, 4 Associate Members and 2917 Student Member.

16.4.2 The IEM (Sarawak Branch) together with the Graduate & Student (G&S) Section reported that during the session, it had actively organized the following activities:

22/04/2020	<b>Evening Talk on How AR/VR Change the Ways of Communication in the Future</b> 92 attended the talk presented by Dr. Tay Fei Siang.
20/05/2020	<b>Introduction to the Grid-Connected Solar Photovoltaic (PV) System</b> Speaker was Ir. Roger Wong and 122 members attended.
15/05-16/05/2020	<b>Project Management: Risk Management for Project Leaders &amp; Managers - Live Online</b> This course was presented by Ir. Dr. Mui Kai Yin and total no. of participants who attended was 6.
30/05/2020	<b>Online Seminar IEM Professional Talk</b> The speaker was Ir. Sim Hui Kheng and a total of 28 members participated in the talk.
17/06/2020	<b>Evening Talk on So you've Found Partial Discharge: What next?</b> The talk was presented by Mr. Neil Davis and a total of 78 participants attended.
28/06/2020	<b>IEM Sarawak Branch Engineer's Run 2020</b> This event was held at MBKS, Kuching with YB Dato Sri Prof. Dr. Sim Kui Hian, Minister for Local Government and Housing Sarawak as Guest of Honour.
29/06-30/06/2020	<b>Project Management: The Essential Skill to ensure Project Success</b> This online course was attended by 6 persons and the speaker was Ir. Dr. Mui Kai Yin.
08/07/2020	<b>SAEC Phase 2 – Basic Infrastructure Sector Working Group</b> This gathering was held at Level 5, Conference Room, Ministry of Infrastructure and Port Development Sarawak.
09/07/2020	<b>Sesi Dialog Draf Polisi Baru Perumahan Baru di Sarawak</b> This dialogue session was held at Auditorium PUSAKA, Wisma Sumber Alam, Petra Jaya Kuching.
15/07/2020	<b>Some experiences from Tunneling through the soft rock</b> The speaker was Dr. Choo Chung Siung and 130 members attended.
23/07/2020	<b>(SEAC) Phase 2 – Utilities Working Team Meeting</b> This meeting was held via ZOOM platform.
01/08/2020	<b>How to fill in the A100 Form</b> This PI Talk was presented by Ir. Sim Hui Kheng, Ir. Edna Matthew Ruji. 16 participants attended the talk.
19/08/2020	<b>Evening Talk on Power System Protection</b> Mr. Lo Tzu Hsiung was the speaker and 114 members attended.
17/08-20/08/2020	<b>4 Days Project Management Certification PMP® Boot Camp &amp; Exam</b> Ir. Dr. Mui Kai Yin was the speaker.
14/08/2020	<b>PI Talk on How to fill A401 Form</b> Ir. Dr. Mui Kai Yin was the speaker of the talk which was attended by 16 persons.
28/08/2020	<b>PI Talk on What to include in the design report</b> This talk was attended by 17 members and the speakers were Ir. Sim Hui Kheng, Ir. Edna Matthew Ruji.
23/09/2020	<b>HVAC Solutions for Green and Sustainable Building</b> Ir. Ng Yong Kong was the speaker and 84 members attended.
09/10/2020	<b>Sophisticated Technological New Air Conditioning System</b> This seminar by Mr. Roger Zou was attended by 64 participants.
21/10/2020	<b>The Quality of Construction Product and Materials, how can I be assured?</b> Ir. Chin Hon Sin was the speaker of this evening talk.
29/10-30/10/2020	<b>13<sup>th</sup> International UNIMAS Engineering Conference (ENCON 2020)</b> Conference speakers included Dato' Ir. Dr. Gue See Sew, Prof. Dr. Irtishad Uddin Ahmad, Prof. Ts. Dr. Mohd. Rosli Hainin and Prof. Dr. Ng Chee Khoon.
20/01/2021	<b>The importance of implementation of the Lightning Protection System (LPS) to comply with MS IEC 62305:2007</b> This evening talk was presented by Dato' Ir. Jimmy Lim.

## 16.5 Perak Branch

16.5.1 Ir. Simon Yeong Chin Chow was re-elected Branch Chairman for session 2020/2021. As at February 2021, the membership of the Branch was 3,166 with 1 Honorary Fellow, 24 Fellows, 3 Senior Members, 441 Members, 16 Senior Graduate Members, 535 Graduate Members, 14 Incorporated Members, 2 Associate Members, 3 Affiliate Members and 2,127 Student Members.

16.5.2 Activities organized during the session were as follows:

28/03/2020	<b>Annual General Meeting 2020</b> This event was held at Tower Regency Hotel, Ipoh Perak.
24/10/2020	<b>Annual Dinner 2020</b> This event was held at Kinta Riverfront Hotel, Ipoh Perak.

## 16.6 Melaka Branch

16.6.1 Ir. Prof. Dr. Puvanasvaran a/l A. Perumal took over as Chairman of the Branch in March 2020. The Branch membership was noted at 1,418 comprising 9 Fellows, 1 Senior Member, 200 Members, 10 Senior Graduate Members, 248 Graduate Members, 1 Incorporated Member, 1 Associate Member and 948 Student Members registered as at 28 February 2021.

16.6.2 The activities of the Branch during the last session was as follows:

12/10/2019	<b>Talk on Renewable Energy Project Solar P.V 0.9526MW</b> Speaker was Ir. Vellan V. Perumal and attended by 36 participants.
21/10/2019	<b>Technical Visit to Tiles Introduction, Tiles Technical Briefing &amp; Production Flow</b> 24 members participated in this visit.
02/11/2019	<b>Seminar on STARKEN – Lighter &amp; Greener Building System Solutions</b> This seminar was presented by Mr Asbar Sanusi with 35 participants attending.
16/11/2019	<b>Seminar on MELCAT &amp; The Limitation (Amendment) Act 2018 Effect on Engineers</b> The seminar was presented by YB Damian Yeo Shen Li and Ir. PE Chong. 39 participants attended the seminar at Temasek Hotel.
20/11/2019	<b>Seminar on Introductory of Electrical Circuit and Electrical Protection System</b> Speaker was Mr. Dahari Mat Siran and attended by 31 participants.
21/11-24/11/2019	<b>Technical Visit to Kota Kinabalu, Sabah</b> 11 members participated in this trip.
11/12/2019	<b>Technical Visit to Xinyi Energy Smart (Malaysia) Sdn Bhd</b> 15 members participated in the visit.
29/02/2020	<b>LED Essentials And Smart LED</b> This seminar by Mr. John Chong Sui Han was attended by 22 participants.
14/03/2020	<b>Case Study Boiler Accident</b> This Pre AGM-Talk was presented by Ir. Ts. Mohd Fairuz bin Mohd Rashid and a total of 23 members attended the talk at Temasek Hotel.
06/08/2020	<b>Webinar on MATLAB: Image Classification Using Machine Learning For solving Engineering Problem</b> 23 participants attended the webinar by Ir. Dr. Rixza Azri Ramlee.
13/08/2020	<b>Webinar on Engineering Recycled Plastic: Waste to Wealth</b> 16 members participated in the talk by Prof. Qumrul Ahsan.
27/08/2020	<b>Technical Visit to Department Safety And health (JKKP/DOSH) Melaka And Dialogue Session with The Director</b> 12 members attended this visit.
08/09/2020	<b>Technical Visit to Radio Malaysia Melaka FM</b> 9 members participated in this visit.
19/09/2020	<b>Seminar on Solar Photovoltaic &amp; Energy Solution</b> The speakers of this seminar were Mr.Chin Soo Man, Mr. Adam Chew, Mr. Michael Cheah and Mr. See Heng Chun and a total of 46 members attended the seminar.
25/10/2020	<b>Hands-free Sanitizer Mechanism Design Challenge 2020</b> This exhibition was held on virtual platform in collaboration with UTeM and MMU.
07/11/2020	<b>Webinar on Refresher Course / Workshop for Interviewers</b> The webinar was presented for Ir. Chen Harn Shean.
12/11/2020	<b>Discussion with BEM on Ground Issues of CCC Experienced By Practising Engineers</b> Dialogue session with IEM Representatives Dato' Ir. Fong Tian Yong, Ir. Chen Thiam Leong and Ir. Wong Shu Loong.
17/12/2020	<b>Innovative Research and Industrial Dialogue 2020 (IRID 2020)</b> This virtual conference was held at the Centre of Smart System and Innovative Design (COSSID) of Universiti Teknikal Malaysia Melaka (UTeM).

## 16.7 Negeri Sembilan Branch

16.7.1 Ir. Chong Chee Yen took over the chairmanship for the session 2020/2021.

16.7.2 The Branch membership was noted at 1,884. There are 12 Fellows, 3 Honorary Members, 300 Members, 11 Senior Graduate Members, 351 Graduate Members, 6 Incorporated Members, 1 Associate Member and 1,200 Student Members registered as at 28 February 2021.

16.7.3 The Branch activities for the session are listed below:

16/04/2020	<b>Donation for Covid-19</b> This event was held at UMMC, KL and Ir. Dr. Oh Seong Por represented IEM NS Branch.
02/07/2020	<b>Courtesy Visit to JKR NS Director, Ir. Masri bin Baharuddin</b> This visit attended by Ir. Dr. Oh Seong Por, Ir. Chong Chee Ye, Ir. Tiong Ngo Pu Ir. Mohamad Firdaus Zainal and Ir. Azizi Ahamad was held at Wisma Negeri Sembilan.
13/08/2020	<b>Seminar for JKRNS Staff &amp; Introduction to the Mentors - Route to MIEM/P.E</b> This speaker was Ir. Fam Yew Hin and a total of 25 participants attended the seminar.
04/09/2020	<b>Courtesy Visit to JPS NS Director, Ir. Saari bin Abdullah</b> Attended by Ir. Dr. Oh Seong Por, Ir. Chong Chee Yen, Ir. Richard Khoo Nee Keong, Ir. Azizi Ahamad and Ir. David Teh Wee Teck, the visit was at Wisma Negeri Sembilan.
07/11/2020	<b>Webinar on Refresher Course for Interviewer – Outcome Based Competency Assessment</b> The speaker was Ir. Chen Harn Shean and a total of 17 members attended.

## 16.8 Miri Branch

16.8.1 Ir. Sean Wong Siong Ung was elected as Chairman for session 2020/2021. The members stood at 386 comprising 16 Fellows, 1 Honorary Fellow, 86 Members, 7 Senior Graduate Members, 139 Graduate Members and 137 Student Members.

16.8.2 A summary of the Activities organized by the Branch for the session is present below:

05/05/2020	<b>IEM Miri Contribution to Needy Families</b> Attended by 4 members.
30/06/2020	<b>Technical talk on Project Management for Bridge Construction in Sarawak Batang Sadong Bridge</b> The webinar was conducted by Ir. Yii Hock Wong with 52 participants attending.
25/07/2020	<b>Technical talk on Municipal Solid Waste (WSW) Waste to Energy (WtE) Plant</b> The speaker was Ir. Tian Fung Wang and the talk was attended by 12 participants.
13/07-19/07/2020	<b>Course on One-week Short Term Staff Training Programme on Recent Trends in Energy Conversion Technologies</b> This online course was held with 20 speakers.
15/07/2020	<b>Courtesy Visit cum Dialogue with CIDB Miri Branch Pengurus Cawangan, En. Che Ahmad Isyai Che Said</b> 6 members participated in the visit.
15/08/2020	<b>Technical Talk on Scheduled waste to Energy (SWtE) Projects</b> The talk presented by Ir. Tian Fung Wang attracted 11 participants.
18/08/2020	<b>Courtesy Visit to PERKESO Miri Branch</b> 3 members attended the visit.
09/09/2020	<b>Technical Visit to Saramanis Pineapple Farm</b> 20 members attended the visit.
12/09/2020	<b>Technical Visit to Hot Mix Asphalt (HMA)</b> 18 members participated in the visit.
03/10/2020	<b>IEM – YES Miri Virtual Fair #1</b>
09/10/2020	<b>Technical Visit to Shin Yang Agriculture (Efresh Sarawak)</b> 6 members attended the visit.
10/10/2020	<b>IEM – YES Miri Virtual Fair #2</b>

## 16.9 Kedah/Perlis Branch

16.9.1 Ir. Dr. Mohamad Shaiful Ashrul bin Ishak chaired the Branch Committee for session 2020/2021. Membership of the Branch for the session was 2,122 comprising 9 Fellows, 1 Senior Member, 283 Members, 13 Senior Graduate Members, 299 Graduate Members, 3 Incorporated Members, 1 Associate Member and 1,513 Student Members.

### 16.9.2 Activities and Projects

The Branch organized the following activities for the session 2020:

19/07/2020	<b>Annual General Meeting</b> This event was held at Dewan Seri Padi, Kompleks Latihan MADA, Simpang Empat, Kedah.
29/09/2020	<b>Dialogue Session with CIDB Perlis</b> This event was held at CIDB Perlis and 10 committee members attended.
17/12/2020	<b>Technical Visit to Pusat Rawatan Kumbahan Serantau</b> 20 participants attended this technical visit.

### 16.10 Terengganu Branch

16.10.1 Ir. Abdullah Zawawi bin Mohamad Noor was re-elected as Chairman for session 2020/2021. Membership of the Branch for the session was 1,295 comprising 5 Fellows, 150 Members, 142 Graduate Members, 4 Companions, 1 Associate Member and 1,465 Student Members.

16.10.2 Activities organized by the Branch during the last session are listed below:

26/08/2020	<b>IEM Terengganu Gathering</b> This gathering was held at Kelab Golf & Rekreasi Petronas and 25 members attended.
14/10/2020	<b>Coordination Meeting with University College TATI</b> This meeting was to set up Terengganu Engineering Centre of Excellence.
26/10/2020	<b>One Day Seminar on River Rehabilitation and Restoration</b> Speaker was Ir. Azman Abu Bakar and 53 members participated.
27/10/2020	<b>Two Days Seminar on Electrical Protection Relay Setting and Coordination</b> These seminar speakers are Ir. Wan Mohd Hazairin bin Wan Daud and Tc. Hashim bin Othman with 7 members attended.
10/01/2021	<b>Annual General Meeting</b> This AGM was held at Hotel Permai, Kuala Terengganu.

### 16.11 Kelantan Branch

16.11.1 Ir. Haji Shaipuddin bin Shapie took over as Chairman of the Branch for Session 2020/2021. The membership of the Branch is currently 1,580 members comprising 5 Fellows, 1 Senior Member, 149 Members, 4 Senior Graduate Members, 117 Graduate Members, 1 Incorporated Member, 2 Associate Members and 1,301 Student Members.

16.11.2 The following activities were held during the 2020 session :-

14/07/2020	<b>Courtesy Visit to Director of Kelantan Water</b> This visit was attended by 8 members.
05/08-06/08/2020	<b>Workshop Writing Training &amp; Experience Report – KKTM</b> Speakers were Ir. Shaipuddin bin Shapie, Ir. Mohd Zaidi bin Che Mod and Ir. Rosmee bin Abd Rahman. 20 participants attended the workshop.
10/08/2020	<b>Courtesy Visit to CEO Of Kelantan SECDC</b> 6 members attended the workshop.
11/08-12/08/2020	<b>Two Days Course on Sketchup Essential Training</b> The two-day course was conducted by Ms. Noor Izzah bin Ibrahim with 19 participants attending.
27/08/2020	<b>One Day Course on Project Management Body of Knowledge</b> 39 members attended the course conducted by Dato' Ir. Hj Mohd Daud bin Harun.
15/09/2020	<b>Route to Professional Engineer</b> Ir. Shaipuddin bin Shapie, Ir. Mohd Zaidi bin Che Mod, Ir. Rosmee bin Abd Rahman, Ir. Nik Ab. Hadi bin Hassan and Ir. Awang bin Taib conducted the talk.
01/10-02/10/2020	<b>Technical Visit To Perhentian Marriot Resort At Perhentian Island</b> 30 members participated in the visit.
04/10-05/10/2020	<b>2 Days Workshop: How to effectively Monitor, Track, Prepare S-Curve, Prepare Progress Report, Mitigate &amp; Crash MS Project CPM for Regular Users.</b> This workshop was delivered by Ir. Desmond Fung Bin Chai and 30 members attended.
10/10/2020	<b>Talk on Route to PE – JPS Kelantan</b> This talk was delivered by Ir. Hj Shaipuddin Shapie, Ir. Hj. Nik Ab. Hadi Hassan and Ir. Mohd Zaidi Che Mod.
04/11/2020	<b>Courtesy Visit to KKTM Director Manager</b> 3 members joined this courtesy visit to KKTM Pasir Mas.
23/12/2020	<b>Pre 9<sup>th</sup> AGM Meeting for Session 2020/2021</b> 11 committee members attended this meeting at Singgora Homestay, Kota Bahru.

### 16.12 Pahang Branch

16.12.1 Ir. Ahmad Kamal bin Kunji was re-elected as the new Chairman for the session 2020/2021. Membership of the Branch is currently 1,545 comprising 5 Fellows, 1 Senior Member, 152 Members, 2 Senior Graduate Members, 222 Graduate Members, 1 Incorporated Member, 1 Affiliate Member, 2 Associate Members and 1,159 Student Members

16.12.2 The following activities were held during the 2020/2021 session:

27/08/2020	<b>Webinar on Earthworks Design</b> This online seminar was attended by 41 members and speaker was Ir. Chee Shai Choon.
27/08/2020	<b>Webinar on 2 Day Course on Malaysian Civil Engineering Standard Method of Measurement (Mycesmm2)</b> This 2-day course was attended by 50 participants and speaker was Ir. Hj. Shahul Ikram bin Hj. Adnan.
01/12/2020	<b>IEM Pahang Collaboration with Politeknik (POLISAS)</b> Ir. Dr. Ahmad Kamal Kunji presented this talk.
10/12/2020	<b>IEM Pahang Collaboration with Politeknik (POLISAS)</b> Ir. Dr. Ahmad Kamal Kunji presented this talk
09/01/2021	<b>Webinar on Specifying and Testing of Concrete to Eurocode for Civil Engineers, Technologists and Inspector of Works</b> This webinar was presented by Ir. Dr. Chin Siew Choo & Ir. Dr. Ahmad Kamal Kunji with 40 participants attending.
30/01/2021	<b>Annual General Meeting (9<sup>th</sup> AGM)</b> The meeting was held virtually.

### 16.13 Young Engineers Section

16.13.1 Mr. Kuugan a/l Thangarajoo Grad.IEM was re-elected as the Chairman of Young Engineers Section for session 2020/2021 on 08 August 2020 at the IEM YES 50<sup>th</sup> Annual General Meeting.

#### 16.13.2 Membership

The membership of the Section now stands at 31,907 members as at 31 December 2020. The comparative figures for the last 5 years are as follows:

Grade	2016	2017	2018	2019	2020
<b>Graduate</b>	9735	8932	8901	9346	8375
<b>Student</b>	19650	22748	26053	31240	23532
	<b>29385</b>	<b>31680</b>	<b>34954</b>	<b>40586</b>	<b>31907</b>

#### 16.13.3 Activities

The 50<sup>th</sup> Annual General Meeting was held on 08 August 2020 at Auditorium Malakoff, Ground Floor, Wisma IEM, Petaling Jaya at 9.00 a.m. A total of 22 members attended this meeting.

#### 16.13.4 Professional Development Portfolio

List of Webinar Talk / Seminar	
Date	: 1 July 2020
Title	: Briefing on Motor Pumps, Technology Involved & Career Prospects for Graduates by Mr. Eddie Lee and Dato Yap (Ebara Pumps Malaysia Sdn Bhd)
Total Attendance	: 86
Date	: 23 October 2020
Title	: BIM for C&S Consultants
Total Attendance	: 138
Date	: 23 October 2020
Title	: Half-day Workshop - Introduction to Financial Blueprint with Property Investment by Dr. Kwong Kok Zee
Total Attendance	: 17

#### 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. However, this year is Covid-19 pandemic year thus all the sport sessions had been cancel. Eventually, IEM YES annual dinner will be conducted at 10 October 2020, last minute, the dinner need to call off due to Covid case serious in Malaysia. The only outdoor activity carried out during 2020 is IEM YES teambuilding and brainstorming on 16 September 2020 at Glory Beach Resort, Port Dickson.

#### 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.

In 2020, there is no physical visit to universities. There are few webinar talk carried out by lecturer of different universities.

List of Webinar Talk	
Date	: 4 July 2020
Title	: Post Covid-19 Industry: What Should Young & Future Engineer Expect by Prof. Madya Ir. Dr. Mohamad Huzaimy
Total Attendance	: 57
Date	: 17 July 2020
Title	: Engineering Education – Pre, During and Post MCO by Dr. Lau Chee Yong
Total Attendance	: 37
Date	: 7 August 2020
Title	: Building Information Modelling for Engineers: The Way Forward by Ir. Dr. Salmizah Salleh
Total Attendance	: 48
Date	: 19 August 2020
Title	: Incorporating sustainability issues in engineering project proposals by Mr. John Chng
Total Attendance	: 11
Date	: 3 September 2020
Title	: Sustainability Professional: In The Throes Of Unprecedented Crisis by Dr. Nadzirah
Total Attendance	: 36
Date	: 17 September 2020
Title	: Kenaf Fibre In Expanded Polystyrene Concrete & The Hidden Threat Behind El Nino by Dr. Ling Llyod and Dr. Kwong Kok Zee
Total Attendance	: 47

16.3.18 *Graduate Affairs Portfolio*

16 September 2020 IEM YES teambuilding and brainstorming session with 10 committees and co-opted members at Glory Beach Resort, Port Dickson.

IEM Young Engineers National Summit (NATSUM) 2020 postponed to 2021. The organizer is IEM YES Southern Branch.

16.13.9 *External Affairs Portfolio*

List of Webinar Talk	
Date & Title	: 22 April 2020 – Lateral Stability of Buildings-The Fundamentals by Ir. Yasotha Chetty
Organizer	: CSETD & IEM YES
Total Attendance	: 83
Date & Title	: 2 May 2020 – EN 206 Concrete Specification for Engineers by Yeo Shih Horng
Organizer	: CSETD & IEM YES
Total Attendance	: 78

16.14 **Women Engineers Section**

Under clause 9 of Rules of the Women Engineers Section at the 68<sup>th</sup> meeting held on 30 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 and 2020/2021.

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.

In 2020, IEM-WE stepped up efforts to inspire more young girls to enter STEM and has participated in many activities such as science fair, talks, workshops, 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 Sub Committee participated in the Minggu Sains Negara, Negeri Sembilan state-level.

Outreach activities for 2020 were:

- Women in Science “Balance for Better”, 17 July 2020
- Webinar on Advancing Engineering and Sustainable Development – A Way Forward for Sustainable World, 25 August 2020
- Minggu Sains Negara, 5 September 2020
- Half Day Course On “Leadership and Emotional Intelligence for Engineers”, 25 September 2020

The activities of this Section are tabulated and summarised in the summary of events of this Annual Report.

## 17. TECHNICAL DIVISIONS AND SPECIAL INTEREST GROUPS

### 17.1 Office Bearers

Technical Division / Special Interest Group	Chairman	Deputy Chairman	Secretary / Treasurer
Agricultural & Food	Ir. Hor Kok Luen	Ir. Mohd Fazly bin Mail	Ir. Ayob bin Sukra
Building Services	Ir. Yap Chee Hong	Ir. Cha Hoong Kum	Ir. Sofia Johari
Chemical	Ir. Dr. Chong Chien Hwa	Ir. Lee Teck Lii	Ir. Dr. Teow Yeit Haan
Civil and Structural	Ir. Low Kai Wah	Ir. Dr. Kwong Kok Zee	Ir. Lo Seng Ling
Electrical	Ir. Francis Xavier Jacob	Ir. Lee Cheng Pay	Ir. Dr. Siow Chun Lim
Electronic	Ir. Dr. Lee Choo Yong	Ir. Dr. Mui Kai Yin	Ir. Dr. Huzein Fahmi bin Hawari
Engineering Education	Ir. Assoc. Prof. Dr. Mohamed Thariq bin Haji Hameed Sultan	Ir. Dr. Balamurugan a/l Annamalai Gurunathan	Ir. Dr. Dhakshyani Ratnadurai
Environmental	Ir. Tang Boon Heng	Ir. Jaya Chandar a/l Poloha Nadan	Ir. Teoh Boon Lai
Geotechnical	Ir. Sin Peng Tean	Ir. Dr. Chan Swee Huat	Ir. Dr. Gue Chang Shin
Highway and Transportation	Ir. Assoc. Prof. Dr. Khoo Hooi Ling	Ir. Assoc. Prof. Edwin Goh Boon Hoe	Ir. William Devabalan R. N. Arulsingam
Marine Engineering & Naval Architecture	Ir. Roznan Abdul Rashid	Ir. Lim Leong Bok	Ir. Teh Teoh Hai
Mechanical	Ir. Syed Neguib bin Syed Mohamed	Ir. Dr. Aidil Chee Tahir	Ir. Dr. Alvin Yap Chee Wei
Oil, Gas and Mining	Ir. Abdul Razak Yakob	Ir. Lee Chang Quan	Ir. Muhamad Her bin Hj Jantan
Project Management	Ir. Dr. Nor Azhar bin Mohd Arif	Ir. Dr. Harris bin Abd Rahman Sabri	Ir. Dr. Syuhaida binti Ismail
Tunneling and Underground Space	Ir. Dr. Ooi Teik Aun	Ir. Ong Sang Woh	Ir. Frankie Cheah Peng Leong
Water Resources	Ir. C. Kamalesen a/l Chandrasekaran	Dato' Kapt. (B) Ir. Hj. Anuar bin Hj. Yahya	Ir. Low Sheue Lih, Shirley
Information & Communications Technology	Ir. Yasser Asrul Ahmad	Ir. Amir Hussein bin Jaafar	Ir. Hor Kok Luen
Consulting Engineers	Ir. Yim Hon Wa	Ir. Dr. Tan Chee Fai	Ir. Ravindra Masilamoney
Public Sector Engineers	Ir. Boey Wei Lun, Francis	Ir. Shahidan bin Sadiman	Ir. Syed Rajah Hussain Shaib bin A.H. Mohd Haniff
Seniors	Ir. Lalchand a/l Gulaibrai	Ir. Chow Sei Ying, Raymond	Ir. Yvonne Fernandez
Urban Engineering Development	Ir. Tiong Choong Han	Ir. Ng Sean Lok	Ir. Koh Wei Sang

## 17.2 Membership of the Technical Divisions/Special Interest Groups

TD/SIG	2020	TD/SIG	2020
AFETD	223	METD	2355
BSTD	1407	OGMTD	1395
CETD	499	PMTD	2444
CSETD	3769	TUSTD	352
EETD	2609	WRD	1497
eETD	893	ICTSIG	314
E2TD	884	CESIG	933
ENETD	1022	PSESIG	107
GETD	1282	SSIG	59
HTETD	1331	UEDSIG	76
MNATD	327		

## 17.3 Activities Organised

## 17.3.1 Technical Talks and Visits

TD/SIG	TALKS	TECHNICAL VISIT	TD/SIG	TALKS	TECHNICAL VISIT
AFETD	5		METD	7	
BSTD	7		OGMTD	11	
CETD	5		PMTD	13	
CSETD	15		TUSTD	4	
EETD	25		WRD	3	
eETD	12	1	ICTSIG	6	2
E2TD	6		CESIG	8	
ENETD	7		PSESIG	6	1
GETD	7		SSIG	4	
HTETD	9		UEDSIG	5	
MNATD	12	1			

## 17.4 Courses / Seminars / Workshops

TD/SIG	WORKSHOP	COURSE	SEMINAR	SYMPOSIUM
AFETD			1	
BSTD			2	
CETD			1	
CSETD			1	
EETD			7	2
eETD			1	
E2TD			1	
HTETD			4	
MNATD			4	
METD			1	
OGMTD			4	
PMTD			7	
TUSTD			3	
CESIG			1	

**SUMMARY ACTIVITIES 2020 - TALKS, VISIT, PAID ACTIVITIES, DIGITAL CLASSES & COMPETITION**

NOTE: No. of Participants allowed currently is: 497 participants + (1 speaker, 1 moderator, 1 secretariat). If speaker more than 1, the participants no. will reduce.

No.	Date & Time	Nature	TD/SIG/SEC + Others	Title	Speaker(s)	No. of Pax
1	6 Jan 2020 5.30pm - 7.30pm	Technical Talk	E2TD	Technical Talk on "Building Information Modelling (BIM): Are You Keeping Up With The Trend?"	Ir. Dr. Salmaliza Salleh	54
2	11 Jan 2020 9.00am - 11.00am	Technical Talk	OGMTD	Technical Talk on "Controlled Blasting and Blasting Near Sensitive Structure"	Ir. Hj. Look Keman bin Sahari	64
3	11 Jan 2020 9.00am - 11.00am	Technical Talk	AFETD	Technical Talk on "Food Security in Malaysia. Where are we now?"	Mr. Tan Zhai Gen	27
4	13 Jan 2020 5.30pm - 7.30pm	Dialogue	FAB	IEM Fire Advisory Board Dialogue	FAB Committee members	48
5	14 Jan 2020 5.30pm - 7.30pm	Technical Talk	HTETD	Talk in iRAP on Motorcycle at Urban Environment	Mr. Alvin Poi Wai Hoong	14
6	17-18 Jan 2020 9.00am - 5.30pm	Course	CESIG	2-Day Seminar on "High Performance Chiller Plant"	Mr. Yow Kuan Yee	43
7	18 Jan 2020 9.00am-11.00am	Technical Talk	SSIG	Talk on "Budget 2020 - A Step Towards Shared Prosperity"	Y.Bhg. Tony Pua Kiam Wee	102
8	18 Jan 2020 9.00am-11.00am	Technical Talk	E2TD	Technical Talk on "Digital Economy A New Paradigm of Circular Economy"	Assoc. Prof. Dr. Tan Ching Seong	56
9	18 Jan 2020 9.00am - 1.00pm	Digital Class	ICTSIG	Raspberry Pi for Maker	Ir. Chai Chen Sing & Ir. Lee Mun Poh	11
10	18 Jan 2020 9.00am - 1.00pm	Course	E&Q	Talk on "Awaransess Talk & PI Workshop on Enhanced Process"	Ir. Chen Harn Shean	32
11	4-5 Feb 2020 9.00am - 5.30pm	Course	PMTD	2-Day Course On "Project Management Foundation & Practices: For Managing Electrical and Electronics Projects"	Ir. Dr. Mui Kai Yin	8
12	6 Feb 2020 5.30pm - 7.30pm	Technical Talk	CSETD	Technical Talk on "Mesh Application and Construction Quality Enforcement in Singapore"	Mr. Saravanan Natarajan & Mr. Hasnol bin Zakaria	45
13	12 Feb 2020 9.00am - 5.30pm	Seminar	EETD	One Day Seminar on "IEC 61439-1 and IEC 61439-2 for Power Switchgear and Controlgear Assemblies"	Mr. Raghunath Gopalakrishna Rao	51
14	12 Feb 2020 5.30pm - 7.30pm	Technical Talk	E2TD	Technical Talk on "Sustainable Operations Management"	Ir. Dr. Ling Chen Hoe	29
15	13 Feb 2020 5.30pm - 7.30pm	Technical Talk	CSETD	Technical Talk on "Value Added By Wind Engineering – Case Studies"	Mr. Masoud Moifar, Dr. Robin Stanfield & Mr. Alex Turpitt	56
16	13 Feb 2020 5.30pm - 7.30pm	Technical Talk	BSTD	Technical Talk on "Energy Metering from Meter to Cloud"	Mr. Jannik Munk	62
17	15 Feb 2020 9.00am - 11.00am	Technical Talk	AFETD	Technical Talk on "Challenges of New Regulations & Technologies in the Palm Oil Industry"	Ir. Ooi Ho Seng	70
18	15 Feb 2020 11.00am - 1.00pm	Technical Talk	E2TD	Technical Talk on "IR 4.0 – Transformation to Smart Factory in Manufacturing Are You Ready For It?"	Ir. Dr. Shamini Janasekaran	71
19	19 Feb 2020 9.00am - 5.30pm	Course	PMTD	1-Day Course in "Project Risk Management"	Ir. Faizal A. Sanusi	24
20	20 Feb 2020 9.00am - 5.30pm	Course	HTETD	1 Day Course "Best Practices in Road Construction And Preparing BQ Based on Civil Engineering Standard Method of Measurement MSCESMM (2018), MyCESMM 2"	Ir. Gunasagaran Kristnan	37
21	22 Feb 2020 9.00am - 11.00am	Technical Talk	OGMTD	Technical Talk on "The Secrets of Successful Energy Management Program"	Ir. Al-Khairi Mohd Daud	73
22	22 Feb 2020 9.00am - 1.00pm	Course	PPC	Half Day [Morning] Talk on "Professional Negligence"	Ir. Leon Weng Seng	71
23	22 Feb 2020 9.00am - 1.00pm	Digital Class	ICTSIG	Raspberry Pi for Maker	Ir. Chai Chen Sing & Ir. Lee Mun Poh	15
24	22 Feb 2020 11.00am - 1.00pm	Technical Talk	MNATD	Technical Talk on "Vocational Education Training (TVET) – How Industry benefit in Engineering Perspective"	First Admiral Dato' Ir. Hj. Ahmad Murad bin Hj. Omar (Rtd.)	45
25	22 Feb 2020 9.30am - 10.30am	Technical Talk	CETD	Technical Talk on "Sustainability and Updates on Palm Oil Industry"	Dr. Ruslan Abdullah	75
26	22 Feb 2020 10.45am - 11.45am	Technical Talk	CETD	Technical Talk on "How POME Can Become A Valuable Material in Industries?"	Mr. Mohd Zin Hassan	75
27	22 Feb 2020 2.30pm - 3.30pm	Technical Talk	CETD	Technical Talk on "Chemical Processes Related with POME Industries"	Dr. Serene Lock Sow Mun	75
28	22 Feb 2020 3.15pm - 4.15pm	Technical Talk	CETD	Technical Talk on "Process Safety"	Mr. Amirzudin Mizuar	75
29	24-25 Feb 2020 9.00am - 5.30pm	Course	YES	2 Day Course on "Project Planning & Scheduling - Including MS Project Software Practice"	Ir. Frankie Chong	18
30	29 Feb 2020 9.00am - 11.00am	Technical Talk	MNATD	Technical Talk on "Tackling Extremities and the Associated Conditions of Marine Offshore Installations"	Ir. Dr. Rafee Makbol Mohamed Ali	36

No.	Date & Time	Nature	TD/SIG/SEC + Others	Title	Speaker(s)	No. of Pax
31	29 Feb 2020 9.00am - 11.00am	Technical Talk	SSIG	Talk on "Creating Competitive Advantage through Intellectual property"	Mr. Tan Sin Su & Mr. Ong Chui Koon	51
32	29 Feb 2020 11.00am - 1.00pm	Technical Talk	PMTD	Technical Talk on "Ergonomics at the Workplace"	Assoc. Prof. Dr. Abd. Rahman bin Abd Rahim	53
33	29 Feb 2020 9.00am - 5.00pm	Course	E&Q	1 Day PI Workshop "To Complete The Portfolio Of Evidence Form & Preparation of Technical report"	Ir. Chen Harn Shean	64
34	3-5 Mar 2020 8.30am - 5.00pm	Training	Sub Comm on EC, PPC	IBS Professional Training 2020	Ir. Gunasagaran a/l Kristnan	20
35	4 Mar 2020 5.30pm - 7.30pm	Technical Talk	BSTD	Technical Talk on "Mitigating Harmonics in HVAC and Electrical Systems"	Mr. Vinod Jethani	111
36	5 Mar 2020 5.30pm - 7.30pm	Technical Talk	ENETD	Technical Talk on "The Science Behind Constructed Wetland and Example of Usage and Design in the Case Studies in Different Industries"	Prof. Anthony Wong	27
37	7 Mar 2020 9.00am - 1.00pm	Course	Jointly Organised by CETD & E2TD	Half-Day Workshop On "Publication - Perspective From A Journal Editor"	Ir. Prof. Dr. Dominic C. Y. Foo	4
38	7 Mar 2020 9.00am - 5.30pm	Course	PMTD	One Day Course on "Understanding and Managing Turnkey/ Design & Build Contracts"	Ir. Harbans Singh K.S.	30
39	7 Mar 2020 11.00am - 1.00pm	Technical Talk	PMTD	Technical Talk on "How Project Management Knowledge and Skill can Enhance Engineer Career Path?"	Ir. Dr. Mui Kai Yin	48
40	11 Mar 2020 9.00am - 5.30pm	Course	MNATD	One Day Course on "Technical Report Writing – Guidelines for PI Submission"	First Admiral Dato' Ir. Hj. Ahmad Murad bin Hj. Omar (Rtd.)	18
41	12 Mar 2020 9.00am - 5.30pm	Seminar	EETD	One Day Seminar on "IEM, ISA, InstMC, IET, IEEE CSS Joint Seminar on Control & Automation"	Various Speakers	46
42	12 Mar 2020 5.30pm - 7.30pm	Technical Talk	E2TD	Technical Talk on "Three Segments Of Washington Accord Eac Panel Expectation – Guideline For Accreditation Preparation"	Prof. Ir. Dr. Mohd Syuhaimi Ab. Rahman	22
43	14 Mar 2020 9.00am - 11.00am	Pre-AGM Talk	ICTSIG	Pre AGM Talk on "Artificial Intelligence In Engineering Software"	Ir. Chee Shai Choon	86
44	14 Mar 2020 11.00am - 1.00pm	AGM	ICTSIG	22 <sup>nd</sup> Annual General Meeting of "Information and Communications Technology Special Interest Group, (ICTSIG)"	Nil	80
45	14 Mar 2020 9.00am - 5.30pm	Technical Talk	OGMTD	Technical Talk on "Static Control in Chemical Hazard Industries"	Ir. Lam Sing Yew	19
46	14 Mar 2020 9.00am - 11.00am	Technical Talk	ENETD	Technical Talk on "Eco-Shift: The Roles Of Engineers In Environmental Sustainability"	Dato' Seri Ir. Dr. Zaini Ujang	27
47	23-25 Mar 2020 8.30am - 5.00pm	Course	Sub Comm on EC, PPC	IBS Professional Training 2020	Ir. Gunasagaran a/l Kristnan	
48	11 Apr 2020 9.00am - 1.00pm	Technical Talk	E&Q	Talk on "Awaransess Talk & PI Workshop on Enhanced Process"	Ir. Chen Harn Shean	
49	18 Apr 2020 9.00am - 11.00am		Sub Comm on ECD	WEBINAR on "Engineering Competency Development - Your Path to becoming a Professional Engineer"	Ir. Razak Yakob & Ir. Razmahwata	76
50	22 Apr 2020 2.00pm - 4.00pm		CSETD & YES	Lateral Stability of Buildings – The Fundamentals	Ir. Yasotha Chetty	83
51	24 Apr 2020 2.00pm - 3.30pm		CSETD	Concrete Anchoring & Façade Fixing System	Mr. Stefan Lammert	88
52	25 Apr 2020 9.00am - 11.00am	Webinar Digital Class	ICTSIG	Webinar Digital Class: Node.js Programming For Maker	Ir. Daniel Pu	22
53	28 Apr 2020 2.30pm - 3.30pm	Webinar Talk	DRRAB & AER	Webinar IEM Guideline to Flood Abatement	Ir. Kim Kek Seong & Ir. Loo Chee Kin	96
54	2 May 2020 10.00am - 11.30am		CSETD & YES	EN 206 Concrete Specification for Engineers	Mr. Yeo Shih Horng	78
55	5 May 2020 9.00am - 11.00am	Webinar Talk	EETD & AER	Webinar on "How the Data Center Industry is dealing with the COVID-19 Pandemic, and the Current Best Practices for Data Centers"	Mr. Patrick Chan	73
56	5 May 2020 3.00pm - 5.00pm	Webinar Talk	MNATD	Webinar Talk on "Thinking Techniques for Engineers in Time of Crisis"	Ir. Prof. Dr. Mohd Rizal Arshad	70
57	7 May 2020 10.00am - 11.00am	Webinar Talk	METD & AER	IoT and Digitalisation for Engineers	Ir. Dr. Alvin Yap & Ir. Dr. Harris	95
58	8 May 2020 2.30pm - 4.30pm	Webinar Talk	Sub Comm on EC, PPC	CIDB IBS Professional Certification Selected Topics Series 1: IBS Score Calculation (CIS 18: 2018)	Ir. Gunasagaran a/l Kristnan	107
59	9 May 2020 9.00am - 11.00am	Webinar Talk	OGMTD	WEBINAR on "Introduction to HAZOP"	Ir. Razmahwata bin Mohamad Razalli	140
60	12 May 2020 9.30am - 11.30am	Webinar Talk	METD	NFPA 13 - Update in the 2019 Edition	Ir. Loo Chee Kin	106

No.	Date & Time	Nature	TD/SIG/SEC + Others	Title	Speaker(s)	No. of Pax
61	12 May 2020 3.00pm - 5.00pm	Webinar Talk	MNATD	Webinar Talk on "Robotics Technologies for COVID-19 Pandemic: How Can the Technology be Utilised?"	Ir. Prof. Dr. Mohd Rizal Arshad	37
62	14 May 2020 10.30am - 11.30am	Webinar Talk	CESIG	Industry 4WRD: The Update	Ir. Dr. Tan Chee Fai	75
63	16 May 2020 9.00 am - 11.00am	Webinar Digital Class	ICTSIG	Webinar Digital Class: Node.js Programming For Maker	Ir. Daniel Pu	20
64	16 May 2020 2.00pm - 3.30pm	Webinar Talk	CSETD	Concrete Anchoring & Façade Fixing System	Mr. Stefan Lammert	104
65	16 May 2020 9.30am - 11.30am	Webinar Talk	Sub Comm on ECD	Webinar on "Engineering Competency Development - Your Path to becoming a Professional Engineer"	Ir. Azha & Ir. Peter Han	271
66	18 May 2020 9.30am - 11.30am	Webinar Talk	EETD	Webinar on "SESSION 1 - IEC60831 and IEC61921 - Selection, Design and Operation of Power Factor Correction Capacitor"	Mr. Jitendra Niranjn Singh	138
67	19 May 2020 9.30am - 11.30am	Webinar Talk	EETD	Webinar on "SESSION 2 - IEC60831 and IEC61921 - Selection, Design and Operation of Power Factor Correction Capacitor"	Mr. Jitendra Niranjn Singh	123
68	19 May 2020 3.00pm - 5.00pm	Webinar Talk	MNATD	Webinar Talk on "Research Techniques for Engineering-based problems?"	Ir. Prof. Dr. Mohd Rizal Arshad	87
69	20 May 2020 10.00am - 12.00pm	Webinar Talk	EETD	Webinar on "Driving Sustainability & Reliability of Your Building – What We Can do Today and Tomorrow"	Mr. John Chin	76
70	20 May 2020 2.30pm - 4.30pm	Webinar Talk	BSTD	Low Water Flow Design in Chiller Plants	Dr. Zhao XiJing	217
71	21 May 2020 10.30am - 11.30am	Webinar Talk	CESIG	Industry 4WRD: The Funding Support (Part 1)	Ir. Dr. Tan Chee Fai	33
72	21 May 2020 10.30am - 12.30pm	Webinar Talk	BSTD	Are You Aware of the Potential Hazard at Home?	Ir. Gary Lim Eng Hwa	80
73	21 May 2020 3.00pm - 4.00pm	Webinar Talk	PPC	Impact COVID-19 and MCO/CMCO on Employer and Employee - What to Expect and What to Do?	Ir. Lai Sze Ching	140
74	22 May 2020 10.30am - 11.30pm	Webinar Talk	METD & AER	NFPA 13 - Update in the 2019 Edition	Ir. Loo Chee Kin	57
75	22 May 2020 11.00am - 1.00pm	Webinar Talk	CSETD	Standard Specification of Material for Cladding, and Other Building Accessories	Mr. Jack Chum	122
76	29 May 2020 11.00am - 12.00pm	Webinar Talk	Sub Comm COVID-19	The Inter-Play of Force Majeure Clause and the doctrine of Frustration in the face of the Covid-19 Pandemic	Mr. SK Liow	196
77	29 May 2020 5.30pm - 6.30pm	Webinar Talk	CESIG	"Industry4WRD: The Funding Support (Part 2)" (Online Platform)	Ir. Dr. Tan Chee Fai	37
78	29 May 2020 3.00pm - 4.00pm	Webinar Talk	METD & AER & PSME	IoT and Digitalisation for Engineers	Ir. Dr. Alvin Yap & Ir. Dr. Harris	101
79	2 Jun 2020 5.00pm - 6.30pm	Webinar Talk	CESIG	Industry4WRD: The Readiness Assessment (Online Platform)	Ir. Dr. Tan Chee Fai	37
80	2 Jun 2020 3.00pm - 4.30pm	Webinar	PPC	Impact COVID-19 and MCO/CMCO on Construction Projects - What to Expect and What to Do?	Ir. Lai Sze Ching	239
81	3 Jun 2020 3.00pm - 5.00pm	Webinar Talk	GETD	Webinar on "Case Studies and Lesson Learned from Slope and Wall Failure"	Ir. Allan Chwee	243
82	6 Jun 2020 9.00am - 11.00am	Webinar Digital Class	ICTSIG	Webinar Digital Class: Introductory Course on Python	Ir. Chai Chen Sing	97
83	6 Jun 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome Based professional Interview - Part 1 – Route to MIEM/PE"	Ir. Chen Harn Shean	442
84	9 Jun 2020 11.00am - 1.00pm	Webinar	Sub Comm COVID-19	Introduction to CIPAA: Process and Procedures with Practical Guide	Ms. Gazel Cheong	172
85	9 Jun 2020 2.00pm - 4.00pm	Webinar Talk	EETD	Webinar on "Electrical Design of Switchgear Assembly As per IEC 61439"	Mr. Paresh Shah	99
86	10 Jun 2020 2.00pm - 4.00pm	Webinar Talk	Sub Comm on EC, PPC	Navigating the 'IEM FORM OF CONTRACTS' Contractual Clauses	Ir. Oon Chee Kheng & Ir. Wong See Foong	212
87	12 Jun 2020 3.00pm - 4.30pm	Webinar Talk	CESIG	Lightning Impact on High Voltage Overhead Power System	Ir. Dr. Iryani Mohamed Rawi	103
88	12 Jun 2020 5.00pm - 6.00pm	Webinar Talk	CESIG	Industry 4WRD: "Skills & Talents"	Ir. Dr. Tan Chee Fai & Dr. Chua Wen-Shyan	65
89	12 Jun 2020 3.00pm - 4.00pm	Webinar Talk	METD	Impact of Industry 4.0 to Engineers	Ir. Dr. Harris	37
90	13 Jun 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome based Professional Interview - Part 2 – Training & Experience Report"	Ir. Chen Harn Shean	499
91	13 Jun 2020 9.00am - 11.00am	Webinar Talk	OGMTD	WEBINAR on "Managing Production Operations for Offshore Facilities"	Ir. Johan Adam Leong	120

No.	Date & Time	Nature	TD/SIG/SEC + Others	Title	Speaker(s)	No. of Pax
92	13 Jun 2020 9.00am - 3.00pm	Competition	CETD	8 <sup>th</sup> IEM Design Competition 2019/2020 - Finale	Nil	54
93	13 Jun 2020 2.00pm - 4.00pm	Webinar Talk	EETD	Webinar on "Introduction to Power Systems Studies (SESSION 1)"	Ir. Lee Chong Kiow	168
94	16 Jun 2020 2.00pm - 4.00pm	Webinar Talk	EETD	WEBINAR on "Selectivity in Power System"	Mr. Sanjay Aggarwal	151
95	17 Jun 2020 2.30pm - 4.30pm	Webinar Talk	METD	Aircraft Maintenance Operational Challenges During MCO Period	Mr. Ricky Liew	37
96	18 Jun 2020 11.00am - 1.00pm	Webinar Talk	CSETD	Lightweight Framing, Structural Decking and Industrialised Building System (IBS) in Adoption	Mr. Jack Chum & Cik Suraya Johari	197
97	18 Jun 2020 2.00pm - 4.00pm	Webinar Talk	EETD	Webinar on "Maximise Efficiency & Reliability: Maintain 'healthy' electrical network with harmonic-less"	Mr. Ch'ng Eng Yong	101
98	20 Jun 2020 9.00am - 11.00am	Webinar Talk	ICTSIG	Webinar on "Sustainability and Modular MEP in ICT Data Centre"	Ir. Maxx Wong Meng Fai & Ir. Phang Chee Man	147
99	20 Jun 2020 11.30am - 1.30pm	Webinar Talk	CSETD	Joints Dilemma in Concrete Floor Slabs	Dr. Zack Lim E.H.	194
100	20 Jun 2020 2.00pm - 4.00pm	Webinar Talk	PMTD	Webinar Talk on "New Product Design and Development"	Dr. Abdul Rahman bin Abd Rahim	200
101	23 Jun 2020 2.00pm - 4.00pm	Webinar Talk	EETD	Webinar on "Selection of LV Switchgear"	Mr. Sanjay Aggarwal	272
102	23 Jun 2020 2.00pm - 3.00pm	Webinar Talk	HTETD	"Transport in a Post-COVID 19 World - The pandemic could transform the way we travel for better or worse"	Dr. Rosli Azad Khan	36
103	24 Jun 2020 3.30pm - 5.30pm	Webinar Talk	CSETD	Design Recommendations for Post Installed Rebars in Concrete-to-Concrete Connection	Dr. Daniel Looi Ting Wee	315
104	25 Jun 2020 3.00 pm - 5.00pm	Webinar Talk	PMTD	Webinar Talk on "Corporate Liability Section 17 (A) Act – The Potential Impacts on Engineering Industries & Companies"	SAC Mohd Nur Lokman	273
105	26 Jun 2020 3.00pm - 5.00pm	Webinar Talk	CESIG	Webinar Talk "Lightning Impact on High Voltage Overhead Power System"	Ir. Dr. Iryani Mohamed Rawi	161
106	27 Jun 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome Based professional Interview - Part 3 – Oral Interview Process"	Ir. Chen Harn Shean	301
107	27 Jun 2020 9.00am - 11.00am	Webinar Talk	EETD	Webinar on "IR4.0 and IoT - the way forward"	Dr. Leong Wai Yee & Mr. Cheng Boon Seng	204
108	27 Jun 2020 9.00am - 11.00am	Webinar Digital Class	ICTSIG	Webinar Digital Class: Introductory Course on Python	Ir. Chai Chen Sing	32
109	27 Jun 2020 10.00am - 11.00am	Webinar Talk	HTETD	"Sharing Urban Space for Cycling: the Case from Taiwan"	Dr. Yu-Ting Hsu	71
110	27 Jun 2020 11.30am - 1.00pm	Webinar Talk	EETD	Webinar on "The trend of medical technology and Healthcare Engineering in the time of COVID-19. What is Engineer's role?"	Dr. Jasmine Hau Yuan Wen	190
111	27 Jun 2020 2.00pm - 4.00pm	Webinar Talk	PMTD	Webinar Talk on "Quantifying Risk in Project Decision Making"	Ir. Faizal A. Sanusi	359
112	1 Jul 2020 2.30pm - 4.30pm	Webinar Talk	E2TD	Towards A Future of WDM-POF Network with User and Environment Friendly Feature	Prof. Ir. Dr. Mohammad Syuhaimi	167
113	1 Jul 2020 5.00pm - 6.00pm	Webinar Talk	YES	Briefing On "Water Pumps, Technology Involved, Pump Market Overview & Career Prospects For Graduates"	Dato' Yap Kuak Fong & Mr. Eddie Lee	86
114	4 Jul 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome Based professional Interview - Part 1 – Route to MIEM/PE"	Ir. Chen Harn Shean	262
115	4 Jul 2020 11.30am - 1.00pm	Webinar Digital Class	ICTSIG	Webinar Digital Class: Introductory Course on Python	Ir. Daniel Pu	25
116	4 Jul 2020 2.00pm - 3.00pm	Webinar Talk	YES	Post COVID-19 Industry: What Should Young & Future Engineer Expect	Prof. Madya Ir. Dr. Mohd Huzaimy	78
117	7 Jul 2020 3.00pm - 5.00pm	Webinar Talk	MNATD	Webinar Talk on "Introduction Submarine Engineering & Technologies"	Commander Mohd Khairul Anuar bin Mohd Nor	263
118	10 Jul 2020 6.00pm - 7.30pm	Webinar Talk	WRTD	"Integrated Urban Water Management Towards Sustainable Cities"	Ir. Kamalesen	208
119	10 Jul 2020 3.30pm - 5.30pm	Webinar Talk	EETD	Webinar on "Introduction to Power Systems Studies (SESSION 2)"	Ir. Lee Chong Kiow	305
120	11 Jul 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome based Professional Interview - Part 2 – Training & Experience Report"	Ir. Chen Harn Shean	220
121	11 Jul 2020 10.00am - 12.00pm	Webinar Talk	PMTD	Webinar Talk on "Project and Risk Management for the New Norm"	Ir. Dr. Mui Kai Yin	441
122	11 Jul 2020 2.30pm - 4.30pm	Webinar Talk	PMTD	Webinar Talk on "Managing Clean Energy Projects during Covid-19"	Ir. Noor Iziddin Abdullah bin Ghazali	283

No.	Date & Time	Nature	TD/SIG/SEC + Others	Title	Speaker(s)	No. of Pax
123	17 Jul 2020 5.00pm - 6.00pm	Webinar Talk	YES	"Engineering Education: Pre, During & Post MCO"	Ts. Dr. Lau Chee Yong	68
124	18 Jul 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome Based professional Interview - Part 3 – Oral Interview Process"	Ir. Chen Harn Shean	191
125	18 Jul 2020 10.00am - 12.00pm	Webinar Talk	PMTD	Webinar Talk on "Creating, Monitoring And Tracking Of Your Construction Project By Using Microsoft Project Software"	Ir. Desmond Fung Bin Chai	395
126	22 Jul 2020 2.00pm - 4.00pm	Webinar Talk	GETD	Webinar on "Construction and Geotechnical Challenges for the SPRM New HQ Project in Putrajaya"	Mr. Zainal Abidin	135
127	23 Jul 2020 2.30pm - 4.30pm	Webinar Talk	ENETD	Webinar Talk on "Green Engineering Opportunity in Post Pandemic Era"	En. Ismail bin Abdullah	422
128	25 Jul 2020 2.00pm - 4.00pm	Webinar Talk	PMTD	Webinar Talk on "The different modes of Project Management for different Contract Procurement Types"	Ir. Faizal A. Sanusi	457
129	27 Jul 2020 5.30pm - 7.30pm	Webinar Talk	UEDSIG	Technical Talk on "Application of BIM in Construction (China Construction Development, Malaysia)" (Face to face talk)	Ir. Dr. Wang Hong Kok	36
130	28 Jul 2020 5.00pm - 7.00pm	Webinar Talk	AFETD	Webinar Talk on "Overview of Biogas Capture and Conversion into Bio-CNG in The Palm Oil Sector"	Ir. Ooi Ho Seng	245
131	29 Jul 2020 3.00pm - 5.00pm	Webinar Talk	MNATD	Health, Safety & Environment on Plastic waste Management	Ir. Prof. Dr. Ab. Saman bin Abd Kader	408
132	5 Aug 2020 5.30pm - 7.30pm	Webinar Talk	OGMTD	Technical Talk on "Platform Reuse: Asset Re-Capitalization"	Mr. Juzer Noman	15
133	5 Aug 2020 2.00pm - 5.00pm	Webinar Talk	HTETD	WEBINAR "Lecture SERIES: Best Practices on Road Construction and Preparing BQ based on Civil Engineering Standard Method of Measurement MSCESMM (2018), MyCESMM 2"	Ir. Gunasagar	TBC
134	5 Aug 2020 3.00pm - 5.00pm	Webinar Talk	BSTD	Adressing Issues with Risk Engineers (Via Zoom)	Ir. Gary Lim Eng Hwa	87
135	6 Aug 2020 9.00am - 1.00pm	Webinar Course	EETD	Webinar on "ATS and Generator Microprocessor based controllers, practical applications and Cloud Monitoring"	Mr. Ritesh Lutchman	55
136	7 Aug 2020 10.00am - 12.00pm	Webinar Talk	E2TD	An Industry Forum on "Cyber Security: Risks, Challenges And Management Issues"	Mr. Karthik Raguram Sundar, Dr. Azman Ali, & Mr. Sivanathan Subramaniam	467
137	8 Aug 2020 9.30am - 11.30am	Webinar Talk	EETD	Webinar on "Earth Fault Analysis"	Ir. Lee Chong Kiow	208
138	8 Aug 2020 11.30am - 1.00pm	Webinar Digital Class	ICTSIG	Webinar Digital Class: Introductory Course on Python	Ir. Daniel Pu	20
139	8 Aug 2020 9.00am - 5.00pm	Webinar Workshop	Sub Comm on ECD	Online Workshop on "Managing Engineering Competency Development (ECD) Log Book"	Ir. Han Seng Kong & Prof. Dr. Abdul Talib Din	36
140	8 Aug 2020 2.00pm - 4.00pm	Webinar Talk	PMTD	Webinar Talk on "How to be a successful Project Manager"	Major (R) Dr. J. Prebagaran	252
141	10 Aug 2020 2.30pm - 4.30pm	Webinar Talk	CSETD	Detection of Rebar and Floor Thickness Estimation in Reinforced Concrete Structure by Using the Ground Penetrating Radar	Ts. Syahrul Fithry bin Senin	170
142	11 Aug 2020 3.00am - 5.00pm	Webinar Talk	AFETD	Webinar Talk on "BIOCNG@ - An Excellent Opportunity to Palm Oil Mill Owners In Terms Of Commercial and Environmental Sustainability"	Mr. K. R. Raghunath	80
143	15 Aug 2020 9.00am - 11.30am	Webinar Talk	UEDSIG	WEBINAR "Talk on Malaysia's First Living Green Roof Campus (Heriot-Watt University Malaysia)"	Ms. Aniszawati binti Ismail, Ar. Serina Hijjas & Ir. Yusniza Yem	210
144	15 Aug 2020 9.00am - 1.00pm	Technical Visit	MNATD	Technical Visit to Royal Selangor Yacht Club & On Board Yacht Puteri Samudera		21
145	17 Aug 2020 10.00pm - 12.00pm	Webinar Talk	ICTSIG	Webinar on "Digital ID"	Mr. Ng Kang Siong & Mr. Alwyn Goh	20
146	18 Aug 2020 3.00pm - 5.00pm	Webinar Talk	PSESIG	Pavement Condition Assessment (PCA)	Ir. Hj. Ahmad Kamel bin Abdul Malik	183
147	19 Aug 2020 2.00pm - 4.00pm	Webinar Talk	YES	Incorporating sustainability issues in engineering project proposals	Mr. John Chng	21
148	22 Aug 2020 9.30am - 11.30am	Webinar Talk	EETD	Webinar on "Load Flow & Motor Starting Analysis"	Ir. Lee Chong Kiow	214
149	25 Aug 2020 10.00pm - 12.00pm	Webinar Talk	WE	Webinar on "Advancing Engineering And Sustainable Development – A Way Forward For Sustainable World"	Prof. Dr. Sumiani	100
150	25 Aug 2020 2.00pm - 4.00pm	Webinar Talk	GETD & TUSTD	WEBINAR on "Foundation Challenges at Lot LMN KLCC Precinct – Deepest Pile in Malaysia"	Mr. Bakhulfikri Baharom	75
151	26 Aug 2020 3.00pm - 5.00pm	Webinar Talk	MNATD	Webinar Talk on "Ocean Noise and Its Classification"	Ir. Prof. Dr. Mohd Rizal Arshad	46

No.	Date & Time	Nature	TD/SIG/SEC + Others	Title	Speaker(s)	No. of Pax
152	26 Aug 2020 5.30pm - 7.30pm	Webinar Talk	OGMTD	Technical Talk On "Non Metallic Pipeline for Offshore Pipeline and Riser Application"	I Wayan Eka Putra & Tg M Shahru Haslan B Tn Yusoff	10
153	27 Aug 2020 10.00pm - 12.00pm	Webinar Talk	GETD	Webinar on "Green and Sustainable Engineering Measures for Landslides Mitigation"	Ir. Kwang Kim Lup	95
154	29 Aug 2020 9.00am - 11.00am	Webinar Talk	AFETD	Webinar Talk on "Starting Urban Kitchen Gardens: An Organic Perspective for Engineers"	Ir. Ayob bin Sukra	146
155	29 Aug 2020 9.00am - 5.00pm	Webinar Workshop	Sub Comm on ECD	Online Workshop on "Managing Engineering Competency Development (ECD) Log Book"	Ir. KT Lim & Ir. Al-Khairi	17
156	3 Sep 2020 2.30pm - 3.30pm	Webinar Talk	YES	Sustainability Professional: In the Throes of Unprecedented Crisis	Dr. Nadzirah	55
157	5 Sep 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome Based professional Interview - Part 1 – Route to MIEM/PE"	Ir. Chen Harn Shean	152
158	5 Sep 2020 9.00am - 1.00pm	Technical Visit	PSESIG	Technical Visit to KTMB Track Engineering Depot Shah Alam	Nil	31
159	7 Sep 2020 2.00pm - 4.00pm	Webinar Talk	EETD	WEBINAR on "MS IEC 62305 Series Session 1"	Mr. Shailendra Kumar	97
160	8 Sep 2020 2.00pm - 4.00pm	Webinar Talk	EETD	Webinar on "MS IEC 62305 Series Session 2"	Mr. Shailendra Kumar	90
161	10 Sep 2020 9.00am - 1.00pm	Webinar Course	EETD	Webinar on "ATS and Generator Microprocessor based controllers, practical applications and Cloud Monitoring Session 2"	Mr. Ritesh Lutchman	67
162	12 Sep 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome based Professional Interview - Part 2 – Training & Experience Report"	Ir. Chen Harn Shean	129
163	12 Sep 2020 9.00am - 11.00am	Webinar Talk	OGMTD	Webinar on "Introduction to Wells Decommissioning"	Ir. Razak Yakob	115
164	12 Sep 2020 1.30pm - 3.30pm	Webinar Talk	UEDSIG	WEBINAR on "An Overview + Application of Occupational Safety and Health In Construction Industry Management (OSHCIM) Session 1 (of 2-Part Training Programme)"	YBrs. En. Nazruddin bin Mat Ali, En. Azman bin Hussain, Ir. Dr. Mohd Fairuz bin Ab. Rahman, Ir. Mokhtar bin Sabtu & En. Mohamad Syamir bin Senin	197
165	12 Sep 2020 3.45pm - 5.45pm	Webinar Talk	UEDSIG	WEBINAR on "An Overview + Application of Occupational Safety and Health In Construction Industry Management (OSHCIM) Session 2 (of 2-Part Training Programme)"	YBrs. En. Nazruddin bin Mat Ali, En. Azman bin Hussain, Ir. Dr. Mohd Fairuz bin Ab. Rahman, Ir. Mokhtar bin Sabtu & En. Mohamad Syamir bin Senin	174
166	14-15 Sep 2020 9.00am - 5.00pm	Course	Sub Comm on EC, PPC	"2-day Course on Malaysian Civil Engineering Standard Method of Measurement (MyCESMM2)"	Ir. Shahul Ikram	11
167	15 Sep 2020 10.00am - 12.00pm	Webinar Talk	CSETD	WEBINAR "Fire Performance of Coated Steel and External Cladding System (BS 8414)"	Mr. Jack Chum & Mr. Low Ping Hing	78
168	17 Sep 2020 2.00pm - 3.00pm	Webinar Talk	YES	KENAF Fibre In Expanded Polystyrene Concrete & the Hidden Threat Behind EL NINO	Ir. Dr. Kwong Kok Zee & Dr. Ling Llyod	30
169	19 Sep 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome Based professional Interview - Part 3 – Oral Interview Process"	Ir. Chen Harn Shean	121
170	19 Sep 2020 9.00am - 5.00pm	Course	E&Q	One Day PI Workshop "To Complete The Portfolio Of Evidence Form & Preparation of Technical report"	Ir. Chen Harn Shean	22
171	19 Sep 2020 9.00am - 11.00am	Pre-AGM Talk	ENETD	Pre-AGM Talk on "Air Pollution Episode in Pasir Gudang: What Can We Learn?"	Dr. Mohd Famey Yusoff	51
172	19 Sep 2020 11.00am - 1.00pm		ENETD	28 <sup>th</sup> ENETD Annual General Meeting		55
173	19 Sep 2020 10.00am - 2.00pm	Technical Visit	ICTSIG	Technical Visit to Kewpump (M) Sdn. Bhd.	Nil	19
174	19 Sep 2020 2.30pm - 5.30pm	Technical Visit	ICTSIG	Technical Visit to MSHK Engineering Sdn. Bhd.	Nil	19
175	22 Sep 2020 9.00am - 5.00pm	Course	PMTD	One Day Physical Course On "Hazard Identification, Risk Assessment and Control (HIRAC) in Engineering Project Management"	Dr. Abdul Rahman bin Abdul Rahim	12
176	23 Sep 2020 8.30am - 5.30pm	Webinar Symposium	EETD	Webinar on "IEM - Standards Malaysia - Suruhanjaya Tenaga: ASEAN Electrotechnical Virtual Symposium & Exhibition 2020"	Various Speakers	200
177	23 Sep 2020 5.30pm - 7.30pm	Technical Talk	ENETD	Technical Talk On "Ecotechment In Water And Environment"	Ir. Megat Johari Megat Mohd Noor	40
178	26 Sep 2020 9.00am - 11.00am	Phycisal Talk	GETD	Pre-31st GETD Annual General Meeting (AGM) - Technical Talk on Overview of Ground Improvement Techniques	Ir. Sin Peng Tean	51
179	26 Sep 2020 11.00am - 1.00pm	AGM	GETD	31 <sup>st</sup> GETD Annual General Meeting	Nil	49

No.	Date & Time	Nature	TD/SIG/SEC + Others	Title	Speaker(s)	No. of Pax
180	26 Sep 2020 9.00am - 1.00pm	Paid Activities	WE	Physical Half Day Course On "Leadership and Emotional Intelligence For Engineers"	Prof. Emeritus Tan Sri Dato Sri Dr. Sahol Hamid bin Abu Bakar	30
181	26 Sep 2020 9.00am - 11.00am	Webinar Talk	ICTSIG	Webinar on "Digital Workflow To Facilitate Collaboration For Engineering Teams: Truth Or Myth"	Ir. Gary Chien & Ir. Chai Chen Sing	120
182	26 Sep 2020 9.00am - 5.00pm	Webinar Workshop	Sub Comm on ECD	Online Workshop on "Managing Engineering Competency Development (ECD) Log Book"	Ir. KT Lim & Ir. Azha	24
183	28 Sep 2020 5.30pm - 7.30pm	Webinar Talk	CESIG	Technical Talk on "What (SCADA) Project Managers do not realize in Malaysia....until it is too late."	Ir. S. Vignaeswaran	35
184	29 Sep 2020 9.00am - 5.00pm	Course	HTETD	1 Day Seminar on "Active Transportation - Pathways to Healthy Living Day"	Multiple Speakers	46
185	30 Sep 2020 10.00am - 12.30pm	Dialogue	DRRAB,PPC	Dialogue on "Draft DMS 17W001R0: Emergency Preparedness Response"	Ir. Loo Chee Kin	43
186	1 Oct 2020 2.00pm - 4.00pm	Webinar Talk	ICTSIG	Webinar on "Narrow Band - IoT"	Mr. Marvin Liong & Ms. Wan Amal	35
187	2 Oct 2020 9.00am - 5.30pm	Webinar Course	OGMTD + MNATD	WEBINAR - One-Day Course on "Introduction to Offshore Decommissioning for Fixed Offshore Structures"	Prof. Ir. Dr. Mohd Shahir Liew, Ir. Dr. Lim Eu Shawn & Assoc. Prof. Dr. Noor Amila	18
188	1-2 Oct 2020 9.00am - 5.00pm	Course	PMTD	2-Day Physical Course On "Ways To Success In Design & Build Contract"	Ir. Lai Sze Ching	35
189	3 Oct 2020 9.00am - 11.00am	Pre-AGM Talk	MNATD	Pre-AGM Talk on "Engineering Competency in relation to Professional Registration – An Engineer's Dilemma"	First Admiral Dato' Ir. Ahmad Murad bin Omar	30
190	3 Oct 2020 11.00am - 1.00pm	AGM	MNATD	9 <sup>th</sup> MNATD Annual General Meeting	Nil	30
191	6 Oct 2020 9.00am - 5.30pm	Webinar Course	OGMTD + MNATD	WEBINAR - One-Day Course On "Introduction to Metocean Applications for Offshore Facilities Engineering"	Prof. Ir. Dr. Mohd Shahir Liew & Ir. Dr. Lim Eu Shawn	15
192	7 Oct 2020 9.00am - 5.30pm	Course	BSTD	One Day Course On "Fire Control Concepts & Design of Active Wet Systems"	Ir. Gary Lim EnG Hwa	21
193	7 Oct 2020 3.00pm - 5.00pm	Webinar Talk	PSESIG	Webinar Talk on "Engineering Competition Compliance"	Zainab Hanis binti Zulkifli & Ismail Faruqi bin Abdullah	75
194	8 Oct 2020 2.00pm - 4.00pm	Webinar Talk	CSETD	Webinar: "How to Protect Your Assets with the Right Paint System?"	En. Effendy Bin Salim & Mr. Zechariah Lim Keng Moh	138
195	10 Oct 2020 9.00am - 11.00am	Webinar Talk	OGMTD	WEBINAR on "Flow Assurance, from Asphaltenes to Zinc Bromide"	Julio Fernando Jover Azpurua	65
196	10 Oct 2020 11.00am - 1.00pm	Webinar Talk	PMTD	Webinar Talk on "Project Management Modes for Different Project Procurement Types 2.0" via Zoom	Ir. Faizal Abdullah	65
197	10 Oct 2020 11.30am - 1.30pm	Webinar Talk	AER NMC	Asean Engineering Register – Pathway To Asean Mobility	Ir. Ong Ching Loon, Ir. Yau Chau Fong, Ir. Dr. Tan Chee Fai, Ir. Rusnida Talib, Mr. Kuugan & Ir. Ng Win Siau	210
198	12 Oct 2020 9.00am - 1.00pm	Webinar Course	BSTD	WEBINAR - Half Day Course On "Why Current Rainwater Harvesting System (RWHS) Sometimes Failed To Perform To Expectations" - Rescheduled from 21 September 2020	Ir. Gary Lim Eng Hwa	57
199	12 Oct 2020 3.00pm - 5.00pm	Webinar Talk	EETD	Webinar on "Humidity Effect In Substations – The Importance of Cable Sealing"	Mr. Gavin	58
200	13 Oct 2020 2.00pm - 7.00pm	Webinar Course	HTETD	Half-Day Course on "Designing Stabilised Pavements with the Mechanistic-Empirical Methods"	Dr. Mahesa Bhawanin & Mr. Piotr Mazurowski	56
201	14 Oct 2020 3.00pm - 5.00pm	Webinar Talk	MNATD + OGMTD	WEBINAR "Why Modular - Utilization of Shipyard Construction Technology"	Ir. Roslin bin Ramli	88
202	15 Oct 2020 3.00pm - 5.00pm	Webinar Talk	METD	Webinar Talk on "Managing Stress - in an Engineering & Maintenance Environment"	Dr. Ravintran Mariappan	109
203	19 Oct 2020 9.00am - 11.00am	Webinar Course	OGMTD + MNATD	WEBINAR - One-Day Course On "Offshore Platform and Facilities for Exploration and Production Including Structural Health Monitoring For Asset Life Monitoring"	Prof. Ir. Dr. Mohd Shahir Liew & Ir. Dr. Lim Eu Shawn	19
204	20 Oct 2020 8.30am - 5.30pm	Webinar Conference	EETD	Webinar on "IEM-STANDARDS MALAYSIA-PETRONAS: IECEX National Virtual Conference 2020"	Various Speakers	234
205	21 Oct 2020 9.00am - 1.00pm	Webinar Course	PMTD	Webinar: Half Day Course On "A Comparative Study Of Project Management Approaches – Part 1"	Mr. Robert Gan	41
206	21 Oct 2020 9.00am - 1.00pm	Webinar Course	PMTD	Webinar: Half Day Course On "A Comparative Study Of Project Management Approaches – Part 2"	Mr. Robert Gan	34
207	22 Oct 2020 2.00pm - 4.00pm	Webinar Talk	GETD	Webinar on "Helical Piles - A Simple, Clean & None Vibration Versatile Piling System"	Ir. Khor Sek Gay	215
208	22 Oct 2020 9.00am - 1.00pm	Webinar Course	METD	Webinar - Half Day Course on "Rolling Stock for Non-Rolling Stock Professionals"	Mr. Chandan Kumar	40

No.	Date & Time	Nature	TD/SIG/SEC + Others	Title	Speaker(s)	No. of Pax
209	23 Oct 2020 10.00am - 12.00pm	Webinar Talk	YES	Webinar – “BIM for C&S Consultants”	Mr. Wee Eng Yau & Mr. Alfred H'Ng	138
210	24 Oct 2020 12.00am - 1.00pm	Webinar Talk	CETD	Webinar “Introduction to Manufacturing Excellence for Chemical Manufacturing Industry”	Dr. Eunice Phang Siew Wai & Mr. Vincent Khaw	36
211	30 Oct 2020 10.00am - 12.00pm	Webinar Talk	WRTD	Webinar Talk on “Outline of Radar Integrated Nowcasting System (RaINS)”	Yip Weng Sang	71
212	4 Nov 2020 9.00am - 1.00pm	Webinar Course	AFETD	Webinar Training on “Awareness of Halal for the Industrial Sector”	Dr. Puziah Hashim	32
213	5 Nov 2020 10.00am - 12.00pm	Webinar Talk	ICTSIG	Webinar on “Digital Signature Solution: Signing Cloud”	Mohammed Hassan Ali Tabrez	50
214	5 Nov 2020 5.30pm - 7.30pm	Webinar Talk	EETD	Webinar on “Towards Specialization Needs of Railway Systems Series - #1 An Introductory Knowledge of AC/DC Railway Schemes in Malaysia - Train Dynamics”	Ir. Dr. Amir Basha	93
215	7 Nov 2020 11.00am - 1.00pm	Virtual AGM	WRTD	33 <sup>rd</sup> AGM Water Resources Technical Division (WRTD)	Nil	64
216	9 Nov 2020 9.00am - 5.30pm	Webinar Course	OGMTD	WEBINAR - One-Day Course On “Offshore Sand Separation: Design, Operation and Maintenance”	Ir. Roznan bin Abdul Rashid	44
217	11 Nov 2020 3.00pm - 5.00pm	Webinar Talk	Stand Comm Welfare + SSIG	WEBINAR - “Talk on The Importance Of Insurance Coverage For Engineers: Professional Indemnity Contractor's All Risks Workmen's Compensation”	Ir. Sukhairul	58
218	16 Nov 2020 5.30pm - 7.30pm	Webinar Talk	SSIG	WEBINAR Talk on “Stroke in the Older Person - Prevention and Treatment”	Ir. Frankie Chong	30
219	17 Nov 2020 9.00am - 5.30pm	Webinar Seminar	EETD	Webinar on “Malaysian Standard (MS) on Lighting - Rescheduled from 27 October 2020”	Various Speakers	141
220	18 Nov 2020 9.00am - 11.00am	Webinar Talk	EETD	Webinar on “New Era of Backup Power”	Various Speakers	77
221	18 Nov 2020 3.00pm - 5.00pm	Webinar Talk	ENETD	Webinar on “Eco Footprint”	Ts. Tan Hong Tat	59
222	19 Nov 2020 3.00pm - 5.00pm	Webinar Talk	MNATD	Webinar on “Utilizing the vibration measurement analysis toward sustainable engineering for industry and the Royal Malaysian Navy (RMN)”	Lt. Cdr. Ir. Mohd Shafiq Sharhan bin Zainal RMN	39
223	21 Nov 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar “Outcome Based professional Interview - Part 1 – Route to MIEM/PE”	Ir. Chen Harn Shean	78
224	21 Nov 2020 9.00am - 11.00am	Webinar Talk	HTETD	WEBINAR - Talk on “Passenger Safety Perception Modeling Study for Buses on Mountainous Roads”	Ir. Dr. Khoo Hooi Ling & Mr. Muaid Abdulkareem	33
225	21 Nov 2020 9.00am - 11.00am	Virtual AGM	PMTD	Virtual 16 <sup>th</sup> PMTD Annual General Meeting	Nil	59
226	22 Nov 2020 11.00am - 1.00pm	Virtual AGM	E2TD	Virtual 24 <sup>th</sup> Engineering Education Technical Division (E2TD) Annual General Meeting	Nil	54
227	21 Nov 2020 1.00pm - 2.30pm	Virtual AGM	SSIG	Virtual 6 <sup>th</sup> SSIG Annual General Meeting	Nil	95
228	24 Nov 2020 3.00pm - 5.00pm	Webinar Talk	PMTD	Webinar on “Risk Analysis and Management in Process Safety”	Ir. Dr. Teow Yeit Haan	83
229	24 Nov 2020 10.00am - 12.00pm	Webinar Workshop	DARP-PPC	Zoom - Workshop Avoidance No. 5	Ir. Shanmugaraj Ir. Ho Kin Wing Ir. Leon Weng Seng	75
230	26 Nov 2020 5.30pm - 7.30pm	Webinar Talk	PSESIG	Webinar Talk on “Graduate Employability Amidst Covid Pandemic - Engineers' Perspective”	Y.Bhg. First Admiral Dato' Ir. Hj. Ahmad Murad bin Hj. Omar	32
231	27 Nov 2020 3.00pm - 5.00pm	Webinar Talk	OGMTD	WEBINAR - Talk On “Lesson Learnt from HPHT Pipeline Lateral Movement and Subsequent Project Improvement”	Ir. Hayati Hussien & Mr. Md. Anuar Desa	40
232	28 Nov 2020 9.00am - 10.30am	Virtual AGM	WE	Virtual 7 <sup>th</sup> WE Annual General Meeting	Nil	30
233	29 Nov 2020 11.00am - 12.30pm	Virtual AGM	CETD	Virtual 34 <sup>th</sup> Chemical Engineering Technical Division (CETD) Annual General Meeting	Nil	30
234	2 Dec 2020 3.00pm - 5.00pm	Webinar Talk	PMTD	Webinar Talk on “Project Cost Control”	Ir. Faizal A. Sanusi	82
235	2 Dec 2020 5.00pm - 7.00pm	Webinar Talk	Sub Comm on EC, PPC	Webinar - “Impact of the COVID-19 Act 2020 and the 'IEM Form of Contracts'”	Ir. Oon Chee Kheng	57
236	5 Dec 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar - “Outcome based Professional Interview - Part 2 – Training & Experience Report”	Ir. Chen Harn Shean	90
237	5 Dec 2020 9.00am - 10.30am	Virtual AGM	PSESIG	Virtual 8 <sup>th</sup> PSESIG Annual General Meeting	Nil	42
238	5 Dec 2020 11.00am - 12.30pm	Virtual AGM	CESIG	Virtual 11 <sup>th</sup> CESIG Annual General Meeting	Nil	61
239	5 Dec 2020 1.00pm - 2.30pm	Virtual AGM	OGMTD	Virtual 30 <sup>th</sup> OGMTD Annual General Meeting	Nil	48

No.	Date & Time	Nature	TD/SIG/SEC + Others	Title	Speaker(s)	No. of Pax
240	7 Dec 2020 2.00pm - 4.00pm	Webinar Talk	GETD	Webinar on "Performance of Deep Excavation in Limestone Formation Adjacent to Railways Protection Zone"	Ir. Chow Chee Ming	105
241	9 Dec 2020 2.00pm - 5.00pm	Webinar Talk	EETD	Webinar on "Recent changes in the Dissolved Gas Analysis standard IEEE c57.104 2019."	Dr. Bhaba Das	34
242	10 Dec 2020 3.00pm - 5.00pm	Webinar Talk	PMTD	Webinar Talk on "From Cradle to The Grave: Project Management of Long Lead Equipment"	Ir. Dr. Harris bin Abdul Rahman Sabri	66
243	10 Dec 2020 5.30pm - 7.30pm	Webinar Talk	EETD	Webinar on "Towards Specialization Needs of Railway Systems Series - #2 An Introductory Knowledge of AC/DC Railway Schemes in Malaysia - AC/DC Railway Schemes"	Ir. Dr. Amir Basha	62
244	12 Dec 2020 11.30am - 12.30pm	Webinar	E&Q	Webinar "Outcome Based professional Interview - Part 3 – Oral Interview Process"	Ir. Chen Harn Shean	301
245	12 Dec 2020 9.00am - 11.00am	Webinar Talk	EETD	Webinar on "The Role of Biomedical Engineering Services"	Ms. Haslin Ismail	78
246	12 Dec 2020 9.00am - 11.00am	Virtual AGM	HTETD	HTETD 29 <sup>th</sup> AGM	Nil	63
247	12 Dec 2020 11.00am - 1.00pm	Virtual AGM	AFETD	Virtual 22 <sup>nd</sup> AFETD Annual General Meeting	Nil	44
248	14 Dec 2020 2.30pm - 4.30pm	Webinar Talk	PSESIG	Webinar Talk on "Healthcare...in the Age of Disruption"	Dr. Fazillah Shaik Allaudin	27
249	14 Dec 2020 5.00pm - 7.00pm	Webinar Talk	EETD	Webinar on "Applications of IoT in Healthcare"	Various Speakers	39
250	14-15 Dec 2020 9.00am - 5.00pm	Course	Sub Comm on EC, PPC	2-day Course on "Malaysian Civil Engineering Standard Method of Measurement (MyCESMM2)"	Ir. Shahul Ikram	20
251	15 Dec 2020 10.00am - 12.00pm	Webinar Talk	EETD	Webinar on "Are You Ready And Prepared To Maintain The Integrity Of The Ex Equipment In Explosive Environment Of Your Plant, In IEC60079 Approach?"	Ir. Tung Pang Khien & Mr. Mohammad Faris bin Azmi	39
252	15 Dec 2020 2.00pm - 4.00pm	Webinar Talk	GETD	Webinar on "Design and Construction Considerations for the Construction of Matagarup Bridge?"	Ir. Tan Su Kwong	73
253	16 Dec 2020 3.00pm - 5.00pm	Webinar Talk	PSESIG	Webinar Talk on "Combating Bribery in Construction Industry - Sharing of KLCC Projek Sdn Bhd's Experience"	En. Mohd Khairi Ibrahim	50
254	16 Dec 2020 10.00am - 12.00pm	Webinar Talk	CESIG	Webinar on "Energy Efficiency In Malaysia"	Zulkiflee Umar	39
255	17 Dec 2020 5.30pm - 7.30pm	Webinar Talk	ENETD	Webinar Talk on "Latest Updates on Noise Exposure Regulations 2019"	Mr. K. Omantaram	34
256	18 Dec 2020 5.30pm - 7.30pm		CESIG	Technical Talk on "Industry4WRD: Digital Transformation for SMEs in a Time of Crisis"	Ir. Dr. Tan Chee Fai	30
257	19 Dec 2020 9.00am - 11.00am	Virtual AGM	UEDSIG	Virtual 3 <sup>rd</sup> UEDSIG Annual General Meeting	Nil	39
258	19 Dec 2020 11.00am - 1.00pm	Virtual AGM	METD	Virtual 35 <sup>th</sup> Mechanical Engineering Technical Division (METD) Annual General Meeting	Nil	35
259	19 Dec 2020 2.00pm - 3.00pm	Webinar Talk	Special Comm.on Structured Training	One (1) Hour Talk on "Structured Training"	Ir. Hj. Mohd Radzi bin Salleh, Ir. Raftah Mahfar, Ir. Juares Rizal, Ir. Dr. Lim Yun Seng & Ir. Dr Alvin Yap Chee Wei	55
260	22 Dec 2020 3.00pm - 5.00pm	Webinar Talk	PMTD	Webinar on "Project Management Certification: Does It Matter?"	Sr. Roznita Othman	66
261	23 Dec 2020 3.00pm - 5.00pm	Webinar Talk	MNATD	Webinar Talk on "Basic Safety Operation Onboard Ship for Non Seafarers"	Ir. Prof. Dr. Ab. Saman bin Abd Kader	28
262	24 Dec 2020 3.00pm - 5.00pm	Webinar Talk	PSESIG	Webinar Talk on "Graduate Employability Amidst Covid Pandemic - Engineers' Perspective"	Y.Bhg. First Admiral Dato' Ir. Hj. Ahmad Murad bin Hj. Omar	136
263	26 Dec 2020 9.00am - 11.00am	Webinar Talk	EETD	Webinar on "Introduction to IEC Young Professional and Standards Development"	Ir. Lee Cheng Pay & Mr. Alex Looi	30
264	29 Dec 2020 5.30pm - 6.30pm	Webinar Talk	AER NMC - WE	ASEAN Engineering Register – Webinar Series, Co-organised by WE Section – Talk on "Woman Engineers ASEAN Federation of Engineering Organisation (WEAFEO)"	Ir. Rusnida Talib Ir. Yap Wei Ling	22
265	30 Dec 2020 5.30pm - 6.30pm	Webinar Talk	AER NMC - YES	ASEAN Engineering Register – Webinar Series, Co-organised by YES – Talk on "Young Engineers in ASEAN Federation of Engineering Organisations (YEAFFEO)"	Mr. Kuugan Thangarajoo	22

**THE INSTITUTION OF ENGINEERS, MALAYSIA  
HONORARY TREASURER'S REPORT  
ACCOUNTS FOR THE YEAR ENDED 31 DECEMBER 2020**

1. The 2020 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 Honorary 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. The amalgamated accounts of all Branches are presented on page 173 to 174.
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 2020 is RM4,960,180 which is RM54,377 lower than that of year 2019. The total income included RM336,888 being net income from Institutional services, rental income RM820,520.
5. The drop in revenue is due mainly to lesser Surplus from activities of the Technical Divisions which only recorded RM181,583 compared to RM383,295 in 2019. Many activities had to be put on hold since March 2020 due to the imposition of Movement Control Order by the government as well as restrictions on gatherings by National Security Council and Registrar of Societies.
6. The main source of income continue to be annual subscriptions which amounted to RM3,385,223 for 2020 which made up approximately 68.2% of the total income of the Institution compared to 69.8% in 2019, 65% in 2018 and 51% in 2017. At the end of 2020, there was subscriptions still owing from members amounting to RM434,686 compared to RM301,645 in 2019.
7. The total expenditure of the Institution was RM4,983,593, which was RM183,519 lower than that of year 2019. The main operating expenditure items were personnel emoluments RM2,440,120 (49%), administrative expenses RM659,959, finance cost (term loan interest) RM60,835 and Branch Subsidies RM529,421. Branch Subsidies for West Malaysia Branches had been increased to 30% of the collection from the respective Branches with effect from 2020.
8. Expenses for year 2020 was 3.6% lower than 2019.
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. In view of the MCO and the move to the new normal, IEM decided to send digital copies of the IEM publications namely the Jurutera and Journal to members. For the first time, IEM Council election was also conducted via e-Balloting.
10. Financially, IEM as an Institution, recorded a deficit of RM23,414 in financial year 2020 compared to a deficit of RM212,933 in financial year 2019.

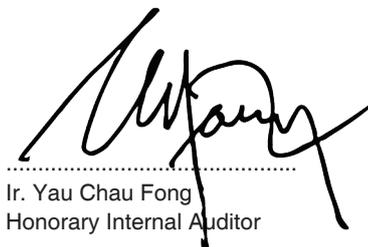


.....  
 Ir. Chen Harn Shean  
 Honorary Treasurer

**HONORARY INTERNAL AUDITOR'S REPORT  
ACCOUNTS FOR THE YEAR ENDED 31 DECEMBER 2020**

I have examined the Balance Sheet as at 31 December 2020, the Income and Expenditure Account together with Notes on the Accounts set out on pages 143 to 174, 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. Yau Chau Fong  
 Honorary Internal Auditor



.....  
 Ir. Sreedaran a/l Raman  
 Honorary Internal Auditor

**THE INSTITUTION OF ENGINEERS, MALAYSIA  
REPORTS AND FINANCIAL STATEMENTS  
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020**

**STATEMENT BY COUNCIL**

In the opinion of the council, the financial statements set out on pages 143 to 174 are drawn up in accordance with Malaysian Private Entities Reporting Standard and the constitution and by-laws of the Institution so as to give a true and fair view of the financial position of the Group and of the Institution as at 31 December 2020 and of the financial performance and cash flows of the Group and of the Institution for the financial year ended on that date.

Signed on behalf of the Council,



.....  
Ir. Ong Ching Loon  
President



.....  
Ir. Chen Harn Shean  
Hon Treasurer

Petaling Jaya  
Date: 29 March 2021

**STATUTORY DECLARATION**

I, Ir. Chen Harn Shean (I/C No.: 740813-14-5631), the Hon Treasurer primarily responsible for the financial management of The Institution Of Engineers, Malaysia, do solemnly and sincerely declare that the financial statements set out on pages 143 to 174 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 Petaling Jaya in the state of )  
Selangor Darul Ehsan on 29 March 2021 )



.....  
Ir. Chen Harn Shean

Before me,



.....  
COMMISSIONER FOR OATHS

3 Damansara Shopping Mall  
3, Jalan SS20/27  
47400 Petaling Jaya  
Selangor Darul Ehsan

## **INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF THE INSTITUTION OF ENGINEERS, MALAYSIA**

### **Report On The Audit Of The Financial Statements**

#### *Opinion*

We have audited the financial statements of The Institution Of Engineers, Malaysia, which comprise the statement of financial position as at 31 December 2020 of the Group and of the Institution, and the statement of income and expenditure, statement of changes in equity and statement of cash flows of the Group and of the Institution for the financial year then ended, and notes to the financial statements, including a summary of significant accounting policies, as set out on pages 143 to 174.

In our opinion, the accompanying financial statements give a true and fair view of the financial position of the Group and of the Institution as at 31 December 2020, and of its financial performance and its cash flows for the financial year then ended in accordance with Malaysian Private Entities Reporting Standard and the constitution and by-laws of the institution.

#### *Basis for Opinion*

We conducted our audit in accordance with approved standards on auditing in Malaysia and International Standards on Auditing. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

#### *Independence and Other Ethical Responsibilities*

We are independent of the Group and of the Institution in accordance with the By-Laws (on Professional Ethics, Conduct and Practice) of the Malaysian Institute of Accountants ("By-Laws") and the International Ethics Standards Board for Accountants' International Code of Ethics for Professional Accountants (including International Independence Standards) ('IESBA Code'), and we have fulfilled our other ethical responsibilities in accordance with the By-Laws and the IESBA Code.

#### *Responsibilities of the Council for the Financial Statements*

The council of the Institution is responsible for the preparation of financial statements of the Group and of the Institution that give a true and fair view in accordance with Malaysian Private Entities Reporting Standard and the constitution and by-laws of the institution. The council is also responsible for such internal control as the council determine is necessary to enable the preparation of financial statements of the Group and of the Institution that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements of the Group and of the Institution, the council is responsible for assessing the Group's and the Institution's 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 members either intend to liquidate the Group and the Institution or to cease operations, or has 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 Group and of the Institution 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 judgment and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements of the Group and of the Institution, 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 Group's and of the Institution's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the council members.

- 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 Group's and the Institution'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 Group and of the Institution 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 Group and the Institution to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements of the Group and of the Institution, including the disclosures, and whether the financial statements of the Group and of the Institution 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*

(i) The audited financial statements for the financial year ended 31 December 2019 were audited by a firm of chartered accountants other than CHI-LLTC, whose report dated 24 June 2020, express an unmodified opinion on these statements.

(ii) This report is made solely to the council, 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.



.....  
CHI-LLTC  
Chartered Accountants  
AF: 1114

Petaling Jaya  
Dated: 29 March 2021



.....  
Ng Leong Teck  
Chartered Accountant  
3168/12/21(J)

## STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2020

	Note	Group		Institution	
		2020 RM	2019 RM	2020 RM	2019 RM
<b>ASSET</b>					
<b>NON-CURRENT ASSETS</b>					
Property, plant and equipment	4	15,280,947	15,528,382	15,120,421	15,332,599
Investment property	5	3,422,859	3,500,591	3,422,859	3,500,591
Investment in subsidiaries	6	-	-	200,000	200,000
Deferred tax asset	7	930,231	930,231	-	-
Goodwill on consolidation		65,588	65,588	-	-
		19,699,625	20,024,792	18,743,280	19,033,190
<b>CURRENT ASSETS</b>					
Receivables	8	2,023,646	3,671,015	1,792,480	1,984,683
Deposits, cash and bank balances	9	7,455,825	9,719,601	4,633,567	4,374,245
Tax recoverable		-	159,381	-	108,859
		9,479,471	13,549,997	6,426,047	6,467,787
<b>TOTAL ASSETS</b>		29,179,096	33,574,789	25,169,327	25,500,977
<b>EQUITY AND LIABILITIES</b>					
<b>EQUITY</b>					
Accumulated fund	10	10,463,762	9,462,845	7,245,452	7,554,846
Capital reserve fund	11	3,630,888	3,663,686	3,630,888	3,663,686
Capital contribution reserve	12	4,413,414	4,262,354	4,413,414	4,262,354
Activities fund	13	67,331	-	67,331	-
Library fund	14	765,898	747,448	765,898	747,448
Building fund	15	3,653,633	3,597,253	3,653,633	3,597,253
Stem fund	16	26,975	19,813	26,975	19,813
<b>TOTAL EQUITY</b>		23,021,901	21,753,399	19,803,591	19,845,400
<b>NON-CURRENT LIABILITY</b>					
Payable	17	-	316,398	-	373,153
Term loan	18	1,079,116	1,206,445	1,079,116	1,206,445
		1,079,116	1,522,843	1,079,116	1,579,598
<b>CURRENT LIABILITIES</b>					
Payables	17	4,245,929	9,609,043	4,074,364	3,983,121
Bank overdraft	19	102,375	-	102,375	-
Term loan	18	109,881	92,858	109,881	92,858
Provision for tax		619,894	596,646	-	-
		5,078,079	10,298,547	4,286,620	4,075,979
<b>TOTAL LIABILITIES</b>		6,157,195	11,821,390	5,365,736	5,655,577
<b>TOTAL EQUITY AND LIABILITIES</b>		29,179,096	33,574,789	25,169,327	25,500,977

**STATEMENT OF INCOME AND EXPENDITURE FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020**

	Note	Group		Institution	
		2020 RM	2019 RM	2020 RM	2019 RM
<b>INCOME</b>					
Members' subscription fees		3,385,223	3,464,860	3,385,223	3,464,860
Training and registration fees		3,733,365	917,569	-	-
Interest income		156,470	175,367	57,745	87,284
Membership reinstatement fees		22,300	27,710	22,300	27,710
Miscellaneous income:					
- Credit cards commission		61,067	75,466	61,067	75,466
- Arbitration levy		25,862	7,523	25,862	7,523
- Others		298,644	347,244	250,574	178,430
		7,682,931	5,015,739	3,802,771	3,841,273
<b>LESS: EXPENDITURE</b>					
Cost for courses		1,916,259	359,515	-	-
Personnel emoluments and benefits	20	2,825,425	2,648,091	2,440,120	2,240,141
Administrative expenses	21	856,928	1,501,229	659,959	1,124,845
Branch subsidies	22	529,421	451,840	529,421	451,840
Inter-society activities	23	21,668	19,263	21,668	19,263
SST expenses		-	2,006	-	2,006
Subscription in arrears written off		151,759	127,567	151,759	127,567
Depreciation of plant and equipment		134,648	133,133	96,891	93,357
		(6,436,108)	(5,242,644)	(3,899,818)	(4,059,019)
<b>SURPLUS / (DEFICIT)</b>					
<b>Surplus / (deficit) from core institution</b>		1,246,823	(226,905)	(97,047)	(217,746)
Surplus from institutional services	24	405,180	428,887	336,888	428,887
<b>Operational surplus</b>		1,652,003	201,982	239,841	211,141
Deficit from rental income	25	(263,255)	(367,319)	(263,255)	(367,319)
Amortised cost adjustment		-	(56,755)	-	(56,755)
<b>Surplus / (deficit) before tax</b>		1,388,748	(222,092)	(23,414)	(212,933)
Income tax expense		-	160,436	-	-
<b>Surplus / (deficit) for the year</b>		1,388,748	(61,656)	(23,414)	(212,933)
<b>OTHER CONTRIBUTIONS RECEIVED</b>					
<b>Capital reserve fund</b>					
Contribution from branches	11	74,302	14,604	74,302	14,604
<b>Library fund</b>					
Enrollment fees and donation received	14	18,450	37,150	18,450	37,150
<b>Building fund</b>					
Donation received	15	56,380	117,444	56,380	117,444
		149,132	169,198	149,132	169,198
Total surplus / (deficit) and other contributions received / (deficit) before tax		1,537,880	107,542	125,718	(43,735)
Income tax expense	26	(536,963)	(80,218)	(108,859)	-
<b>Total surplus / (deficit) and other contributions received / (deficit) for the financial year</b>		1,000,917	27,324	16,859	(43,735)

## STATEMENT OF CHANGES IN CAPITAL AND RESERVES FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020

Group	Accumulated fund RM	Capital reserve fund RM	Capital contribution reserve RM	Activities fund RM	Library fund RM	Building fund RM	Stem fund RM	Total RM
As at 31 December 2018	9,601,807	3,305,582	3,983,774	-	710,298	3,479,809	8,609	21,089,879
Surplus for the financial year	27,324	-	-	-	-	-	-	27,324
Repayment of term loan by Sabah branch	-	343,500	-	-	-	-	-	343,500
Drawdown of repayment	-	(53,843)	-	-	-	-	-	(53,843)
Entrance and transfer fees	-	-	278,580	-	-	-	-	278,580
Transfer of funds	(166,286)	68,447	-	-	37,150	117,444	11,204	67,959
As at 31 December 2019	9,462,845	3,663,686	4,262,354	-	747,448	3,597,253	19,813	21,753,399
Surplus for the financial year	1,327,170	-	-	-	-	-	-	1,327,170
Repayment of term loan by Sabah branch	-	152,500	-	-	-	-	-	152,500
Overtaken of repayment of term loan in prior years	-	(259,600)	-	-	-	-	-	(259,600)
Drawdown of repayment	-	(102,628)	-	-	-	-	-	(102,628)
Entrance and transfer fees	-	-	151,060	-	-	-	-	151,060
Transfer of funds	(326,253)	176,930	-	67,331	18,450	56,380	7,162	-
As at 31 December 2020	10,463,762	3,630,888	4,413,414	67,331	765,898	3,653,633	26,975	23,021,901

Institution	Accumulated fund RM	Capital reserve fund RM	Capital contribution reserve RM	Activities fund RM	Library fund RM	Building fund RM	Stem fund RM	Total RM
As at 31 December 2018	7,821,622	3,305,582	3,983,774	-	710,298	3,479,809	8,609	19,309,694
Surplus for the financial year	(43,735)	-	-	-	-	-	-	(43,735)
Repayment of term loan by Sabah branch	-	343,500	-	-	-	-	-	343,500
Drawdown of repayment	-	(53,843)	-	-	-	-	-	(53,843)
Entrance and transfer fees	-	-	278,580	-	-	-	-	278,580
Transfer of funds	(223,041)	68,447	-	-	37,150	117,444	11,204	11,204
As at 31 December 2019	7,554,846	3,663,686	4,262,354	-	747,448	3,597,253	19,813	19,845,400
Surplus for the financial year	16,859	-	-	-	-	-	-	16,859
Repayment of term loan by Sabah branch	-	152,500	-	-	-	-	-	152,500
Overtaken of repayment of term loan in prior years	-	(259,600)	-	-	-	-	-	(259,600)
Drawdown of repayment	-	(102,628)	-	-	-	-	-	(102,628)
Entrance and transfer fees	-	-	151,060	-	-	-	-	151,060
Transfer of funds	(326,253)	176,930	-	67,331	18,450	56,380	7,162	-
As at 31 December 2020	7,245,452	3,630,888	4,413,414	67,331	765,898	3,653,633	26,975	19,803,591

## STATEMENT OF CASH FLOWS FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020

	Note	Group		Institution	
		2020 RM	2019 RM	2020 RM	2019 RM
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>					
Total surplus / (deficit) and other contributions received / (deficit) before tax		1,537,880	107,542	125,718	(43,735)
<b>Adjustments for:</b>					
Amortised cost adjustment		-	56,755	-	56,755
Bad debts written off		32,257	-	-	-
Depreciation					
- property, plant and equipment		601,886	574,244	564,129	536,468
- investment properties		77,732	77,731	77,732	77,731
Impairment loss on receivables		-	22,013	-	-
Property, plant and equipment written off		14,554	-	14,554	-
Reversal of impairment loss on receivables		(55,959)	(93,339)	-	-
Subscription in arrears written off		151,759	127,567	151,759	-
Interest income		(157,310)	(175,367)	(57,745)	(87,284)
Interest expense		60,835	96,819	60,835	96,819
<b>Operating surplus before working capital changes</b>		2,263,634	793,965	936,982	636,754
Decrease / (increase) in receivables		1,656,968	357,495	293,176	(260,467)
(Increase) / decrease / in subscription in arrears		(137,656)	70,405	(284,800)	70,405
(Decrease) / increase in payables		(123,261)	2,062,732	(88,189)	107,657
Decrease in subscription in advances		(204,199)	(19,519)	(193,721)	(19,519)
<b>Cash generated from operations</b>		3,455,486	3,265,078	663,448	534,830
Tax refund		-	290,323	-	138,105
Tax paid		(156,089)	(202,963)	-	-
<b>Net cash generated from operating activities</b>		3,299,397	3,352,438	663,448	672,935
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>					
Interest received		157,310	175,367	57,745	87,284
Purchases of property, plant and equipment	4	(369,005)	(464,287)	(366,505)	(463,376)
Utilisation of capital reserve fund		(209,728)	-	(209,728)	-
Entrance and transfer fees capitalised		151,060	278,580	151,060	278,580
<b>Net cash used in investing activities</b>		(270,363)	(10,340)	(367,428)	(97,512)
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>					
Repayment to term loans		(110,306)	(60,262)	(110,306)	(60,262)
Term loan interest		(60,835)	(96,819)	(60,835)	(96,819)
Changes in bank overdraft		102,375	-	102,375	-
Placement in fixed deposits		(1,700,000)	(3,198,950)	-	(856,619)
Withdrawal in fixed deposits		4,868,785	-	1,267,965	-
Changes in deferred revenue		(5,227,009)	-	-	-
Repayment from subsidiary		-	-	32,068	73,427
<b>Net cash (used in) / generated from financing activities</b>		(2,126,990)	(3,356,031)	1,231,267	(940,273)
<b>Net (decrease) / increase in cash and cash equivalents</b>		902,044	(13,933)	1,527,287	(364,850)
<b>Cash and cash equivalents at beginning of the financial year</b>		3,286,344	3,300,277	1,721,875	2,086,725
<b>Cash and cash equivalents at end of the financial year</b>	9	4,188,388	3,286,344	3,249,162	1,721,875

**NOTES TO THE FINANCIAL STATEMENTS FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020**
**1. GENERAL INFORMATION**

The Institution is a registered institution registered under the Society Act, 1966 and domiciled in Malaysia.

The registered office and principal place of office is located at Bangunan Ingenieur, Lot 60 & 62, Jalan 52/4, Peti Surat 223, Jalan Sultan, 46720 Petaling Jaya, Selangor Darul Ehsan.

The Institution is principally engaged in the business as promote and advance the science and profession of all aspects of engineering. The principal activities of the subsidiaries are described in Note 6 in the notes to the financial statements. There has been no significant changes in the nature of these principal activities of the Institution and of its subsidiaries during the financial year.

The financial statements of the Group and of the Institution are presented in the functional currency, which is the currency of the primary economic environment in which the entity operates. The functional currency of the Group and of the Institution is Ringgit Malaysia as the sales and purchases are mainly denominated in Ringgit Malaysia and receipts from operations are usually retained in Ringgit Malaysia and funds from financing activities are generated in Ringgit Malaysia.

**2. SIGNIFICANT ACCOUNTING POLICIES**

The financial statements have been prepared in accordance with the Malaysian Private Entities Reporting Standard ("MPERS") and the constitution and by-laws of the institution.

The financial statements have been prepared on the historical cost basis, except for the revaluation of certain assets and liabilities.

The principal accounting policies adopted are set out below:

**2.1 BASIS OF CONSOLIDATION**

The Group financial statements include the audited financial statements of the Institution and all of its subsidiaries. Subsidiaries are those companies in which the Group has power, directly or indirect, to exercise control over the financial and operating policies so as to obtain benefits from its activities. Investments in subsidiaries are stated at cost less impairment losses.

All inter-company transactions, balances and resulting unrealised gains are eliminated; unrealised losses are also eliminated unless cost cannot be recovered. Where necessary, adjustments are made to the financial statements of subsidiaries to ensure consistency of accounting policies with those of the Group.

The financial statements of the parent and its subsidiaries are all drawn up to the same reporting date.

Subsidiaries are consolidated using the acquisition method of accounting from the date control is transferred to the Group and are no longer consolidated from the date control ceases. The results of the subsidiary companies acquired during the financial year are included in the consolidated financial statements from the date of their acquisition.

Minority interests in the consolidated balance sheets consist of the minorities' share of fair values of the identifiable assets and liabilities of the acquiree as at the date of acquisition and the minorities' share of movements in the acquiree's equity. Losses applicable to the minority in excess of the minority's interest in the subsidiary's equity are allocated against the interest of the Group except to the extent that the minority has a binding obligation and is able to make good the losses.

**2.2 INVESTMENTS IN SUBSIDIARIES**

Investments in subsidiaries are stated at cost in the balance sheet of the Institution, and are reviewed for impairment at the end of the reporting period if events or changes in circumstances indicate that the carrying values may not be recoverable.

On the disposal of the investments in subsidiary, the difference between the net disposal proceeds and the carrying amount of the investments is recognised in profit or loss.

**2.3 GOODWILL**

Goodwill represents the excess of the fair value of purchase consideration of subsidiaries acquired over the Institution's share of the fair values of their identifiable assets and liabilities at the date of acquisition.

The carrying amount of goodwill is written down for impairment if the recoverable amount is less than its carrying value.

## 2.4 PROPERTY, PLANT AND EQUIPMENT

The cost of an item of property, plant and equipment is recognised as an asset when it is probable that future economic benefits associated with the item will flow to the Group and to the Institution and the cost of the item can be measured reliably. After recognition as an asset, an item of, property, plant and equipment are measured at cost less any accumulated depreciation and any accumulated impairment losses.

Depreciation is provided on a straight-line method so as to write off the depreciable amount of the following assets over their estimated useful lives, as follows:

	<u>Rate</u>
Freehold land	-
Freehold buildings	2%
Leasehold land and buildings	2%
Furniture and fittings	5% - 20%
Office equipment	10% - 20%
Library books	10%
Library software	10%
Building renovation	5%
Lift	10%
Web development	-

Depreciation of an asset begins when it is ready for its intended use.

If there is an indication of a significant change in factors affecting the residual value, useful life or asset consumption pattern since the last annual reporting date, the residual values, depreciation method and useful lives of depreciable assets are reviewed, and adjusted prospectively.

The carrying amounts of items of plant and equipment are derecognised on disposal or when no future economic benefits are expected from their use or disposal. Any gain or loss arising from the derecognition of items of plant and equipment, determined as the difference between the net disposal proceeds, if any, and the carrying amounts of the item, is recognised in profit or loss. Neither the sale proceeds nor any gain on disposal is classified as revenue.

## 2.5 INVESTMENT PROPERTIES

Investment property which is held to earn rentals or for capital appreciation or both, is measured initially at its cost. Transaction costs are included in the initial measurement.

After recognition as investment property, items of investment property whose fair value can be measured reliably without undue cost or effort are measured at fair value at each reporting date with changes in fair value recognised in profit or loss. If a reliable measure of fair value is no longer available without undue cost or effort for an item of investment property measured at fair value, it is thereafter account for as property, plant and equipment in accordance with Section 17 of the MPERS. The carrying amount of the investment property on that date becomes its cost.

Property interests held under operating leases are not classified and accounted for as investment property.

## 2.6 IMPAIRMENT OF ASSETS, OTHER THAN INVENTORIES AND FINANCIAL ASSETS

At each reporting date, the Group and the Institution assesses whether there is any indication that an asset may be impaired. If any such indication exists, the recoverable amount of the asset is estimated.

When there is an indication that an asset may be impaired but it is not possible to estimate the recoverable amount of the individual asset, the Group and the Institution estimates the recoverable amount of the cash-generating unit to which the asset belongs.

The recoverable amount of an asset and a cash-generating unit is the higher of the fair value less costs to sell and 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.

If the recoverable amount of an asset or a cash-generating unit is less than the carrying amount, an impairment loss is recognised to reduce the carrying amount to its recoverable amount. An impairment loss for a cash-generating unit is firstly allocated to reduce the carrying amount of any goodwill allocated to the cash-generating unit, and then, to the other non-current assets of the unit pro rata on the basis of the carrying amount of each appropriate asset in the cash-generating unit. Impairment loss is recognised immediately in profit or loss, unless the asset is carried at a revalued amount, in which case it is treated as a revaluation decrease.

The recoverable amount is the higher of an asset's or cash-generating unit's fair value less to sell, value in use and zero.

An impairment loss recognised in prior periods for an asset or the appropriate assets of a cash-generating unit is reversed when there has been a change in the estimates used to determine the asset's recoverable amount. An impairment loss is reversed to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation, if no impairment loss had been recognised in prior periods. A reversal of an impairment loss is recognised immediately in profit or loss, unless the asset is carried at revalued amount, in which case it is treated as a revaluation increase.

## 2.7 FINANCIAL ASSETS

Financial assets are recognised in the statement of financial position when the Group and the Institution becomes a party to the contractual provisions of the instrument.

On initial recognition, financial assets are measured at transaction price, include transaction costs for financial assets not measured at fair value through profit or loss, unless the arrangement constitutes, in effect, a financing transaction for the counterparty to the arrangement.

After initial recognition, financial assets are classified into one of three categories: financial assets measured at fair value through profit or loss, financial assets that are debt instruments measured at amortised cost, and financial assets that are equity instruments measured at cost less impairment.

### *i) Financial Assets At Fair Value Through Profit Or Loss*

Financial assets are classified as at fair value through profit or loss when the financial assets are within the scope of Section 12 of the MPERS or if the financial assets are publicly traded or their fair value can otherwise be measured reliably without undue cost or effort.

Changes in fair value are recognised in profit or loss.

If a reliable measure of fair value is no longer available for an equity instrument that is not publicly traded but is measured at fair value through profit or loss, its fair value at the last date that instrument was reliably measurable is treated as the cost of the instrument, and it is measured at this cost amount less impairment until a reliable measure of fair value becomes available.

### *ii) Financial Assets That Are Debt Instruments Measured At Amortised Cost*

After initial recognition, debt instruments are measured at amortised cost using the effective interest method. Debt instruments that are classified as current assets are measured at the undiscounted amount of the cash or other consideration expected to be received.

Effective interest method is a method of calculating the amortised cost of financial assets and of allocating the interest income over the relevant period. The effective interest rate is the rate that exactly discounts estimate future cash receipts through the expected life of the financial assets or, when appropriate, a shorter period, to the carrying amount of the financial assets.

### *iii) Financial Assets That Are Equity Instruments Measured At Cost Less Impairment*

Equity instruments that are not publicly traded and whose fair value cannot otherwise be measured reliably without undue cost or effort, and contracts linked to such instruments that, if exercised, will result in delivery of such instruments, are measured at cost less impairment.

### *iv) Impairment Of Financial Assets*

At the end of each reporting period, the Group and the Institution assesses whether there is any objective evidence that financial assets that are measured at cost or amortised cost, are impaired.

Objective evidence could include:

- significant financial difficulty of the issuer; or
- a breach of contract; or
- the lender granting to the borrower a concession that the lender would not otherwise consider; or
- it becoming probable that the borrower will enter bankruptcy or other financial reorganisation; or
- observable data indicating that there is a measurable decrease in the estimated future cash flows from the financial assets since the initial recognition of those assets.

For certain category of financial assets, such as trade receivables, if it is determined that no objective evidence of impairment exists for an individually assessed financial asset, whether significant or not, the assets are included in a group with similar credit risk characteristics and collectively assessed for impairment.

Impairment losses, in respect of financial assets measured at amortised cost, are measured as the differences between the assets' carrying amounts and the present values of their estimated cash flows discounted at the assets' original effective interest rate.

If there is objective evidence that impairment losses have been incurred on financial assets measured at cost less impairment, the amount of impairment losses are measured as the difference between the asset's carrying amount and the best estimate of the amount that the Group and the Institution would receive for the asset if it were to be sold at the reporting date.

The carrying amounts of the financial assets are reduced directly, except for the carrying amounts of trade receivables which are reduced through the use of an allowance account. Any impairment loss is recognised in profit or loss immediately. If, in subsequent period, the amount of an impairment loss decreases, the previously recognised impairment losses are reversed directly, except for the amounts related to trade receivables which are reversed to write back the amount previously provided in the allowance account. The reversal is recognised in profit or loss immediately.

v) *Derecognition Of Financial Assets*

Financial assets are derecognised when the contractual rights to the cash flows from the financial assets expire, or are settled, or the Group and the Institution transfers to another party substantially all of the risks and rewards of ownership of the financial assets.

On derecognition of financial assets in their entirety, the differences between the carrying amounts and the sum of the consideration received and any cumulative gains or losses are recognised in profit or loss in the period of the transfer.

2.8 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.

2.9 CASH AND CASH EQUIVALENTS

Cash and cash equivalents in the statement of cash flows comprise cash and bank balances, short-term bank deposits and other short-term, highly liquid investments that have a short maturity of three months or less from the date of acquisition, net of bank overdrafts.

2.10 CAPITAL RESERVE FUND

Fund raised from members for the purchase of property, plant and equipment are capitalised as Capital Reserve Fund.

2.11 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.

2.12 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.

2.13 STEM FUND

STEM stands for Science, Technologies Engineer Malaysia. It is a fund collected from members for student.

2.14 LIABILITIES AND EQUITY

i) *Classification Of Liabilities And Equity*

Financial liabilities and equity instruments are classified in accordance with the substance of the contractual arrangement, not merely its legal form, and in accordance with the definitions of a financial liability and an equity instrument.

## 2.15 PROVISIONS

A provision is recognised when the Group and the Institution has an obligation at the reporting date as a result of a past event, it is probable that a transfer of economic benefits will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation.

The risks and uncertainties are taken into account in reaching the best estimate of a provision. When the effect of the time value of money is material, the amount recognised in respect of the provision is the present value of the expenditure expected to be required to settle the obligation.

## 2.16 LEASES

*Operating Leases*

A lease is classified as an operating lease if it does not transfer substantially all the risks and rewards incidental to ownership. Lease payments under operating leases are recognised as an expense on a straight-line basis over the lease term.

## 2.17 FINANCIAL LIABILITIES

Financial liabilities are recognised in the statement of financial position when the Group and the Institution becomes a party to the contractual provisions of the instrument.

On initial recognition, financial liabilities are measured at transaction price, include transaction costs for financial liabilities not measured at fair value through profit or loss, unless the arrangement constitutes, in effect, a financing transaction for the Group and the Institution to the arrangement.

After initial recognition, financial liabilities are classified into one of three categories: financial liabilities measured at fair value through profit or loss, financial liabilities measured at amortised cost, or loan commitments measured at cost less impairment.

i) *Financial Liabilities Measured At Fair Value Through Profit Or Loss*

Financial liabilities are classified as at fair value through profit or loss when the financial liabilities are within the scope of Section 12 of the MPERS or if the financial liabilities are publicly traded or their fair value can otherwise be measured reliably without undue cost or effort.

If a reliable measure of fair value is no longer available for an equity instrument that is not publicly traded but is measured at fair value through profit or loss, its fair value at the last date that instrument was reliably measurable is treated as the cost of the instrument, and it is measured at this cost amount less impairment until a reliable measure of fair value becomes available.

ii) *Financial Liabilities Measured At Amortised Cost*

After initial recognition, financial liabilities other than financial liabilities at fair value through profit or loss are measured at amortised cost using the effective interest method. Gains or losses are recognised in profit or loss when the financial liabilities are derecognised or impaired.

Effective interest method is a method of calculating the amortised cost of financial liabilities and of allocating the interest expense over the relevant period. The effective interest rate is the rate that exactly discounts estimate future cash payments through the expected life of the financial liabilities or, when appropriate, a shorter period, to the carrying amount of the financial liabilities.

iii) *Loan Commitments Measured At Cost Less Impairment*

Commitments to receive loan that meet the conditions of Section 11 of the MPERS are measured at cost less impairment.

iv) *Derecognition Of Financial Liabilities*

Financial liabilities are derecognised when the obligation specified in the contract is discharged, cancelled or expires.

Any difference between the carrying amounts of the financial liabilities derecognised and the consideration paid is recognised in profit or loss.

## 2.18 REVENUE

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 methods.

vi) *Dividend income*

Dividend income is recognised when the right to received payments is established.

## 2.19 EMPLOYMENT BENEFITS

i) *Short-Term Employment Benefits*

Short-term employment benefits, such as wages, salaries and other benefits, are recognised at the undiscounted amount as a liability and an expense when the employees have rendered services to the Group and the Institution.

The expected cost of accumulating compensated absences are recognised when the employees render services that increase their entitlement to future compensated absences. The expected cost of non-accumulating compensated absences, such as sick and medical leaves, are recognised when the absences occur.

The expected cost of accumulating compensated absences are measured at the undiscounted additional amount expected to be paid as a result of the unused entitlement that has accumulated at the end of the reporting period.

The expected cost of profit-sharing and bonus payments are recognised when the Group and the Institution has a present legal or constructive obligation to make such payments as a result of past events and a reliable estimate of the obligation can be made. A present obligation exists when the Group and the Institution has no realistic alternative but to make the payments.

ii) *Defined Contribution Plan*

Contributions payable to the defined contribution plan are recognised as a liability and an expense when the employees have rendered services to the Group and the Institution.

## 2.20 INCOME TAX

Tax expense is recognised in profit or loss, except that a change attributable to an item of income or expense recognised as other comprehensive income is also recognised in other comprehensive income.

Tax payable on taxable profit for current and past periods is recognised as a current tax liability to the extent unpaid. If the amount paid in respect of the current and past periods exceeds the amount payable for those periods, the excess is recognised as a current tax asset.

Current tax assets and liabilities are measured at the amounts expected to be paid or recovered, using the tax rates and laws that have been enacted or substantially enacted by the reporting date.

Current tax liabilities and assets are offset if, and only if the Group and the Institution has a legally enforceable right to set off the amounts and plan either to settle on a net basis, or to realise the asset and settle the liability simultaneously.

Deferred tax is provided in full on temporary differences which are the differences between the carrying amounts in the financial statements and the corresponding tax base of an asset or liability at the end of the reporting period.

Deferred tax liabilities are recognised for all taxable temporary differences that are expected to increase taxable profit in the future. Deferred tax assets are recognised for all deductible temporary differences that are expected to reduce taxable profit in the future and the carry forward of unused tax losses and unused tax credits.

Deferred tax liabilities and assets are not recognised in respect of the temporary differences associated with the initial recognition of an asset or a liability in a transaction that is not a business combination and at the time of the transactions, affects neither accounting profit nor taxable profit. Deferred tax liabilities are also not recognised for temporary difference associated with the initial recognition of goodwill.

Deferred tax liabilities and assets reflect the tax consequences that would follow from the manner in which the Group and the Institution expects to recover or settle the carrying amounts of their assets and liabilities and are measured at the tax rates and laws that are expected to apply to the period when the asset is realised or the liability is settled, based on tax rates that have been enacted or substantially enacted by the reporting date.

### 3. CRITICAL ACCOUNTING JUDGEMENTS AND KEY SOURCES OF ESTIMATION UNCERTAINTY

#### 3.1 CRITICAL JUDGEMENTS IN APPLYING THE ACCOUNTING POLICIES

The judgements, apart from those involving estimations described below, that management has made in the process of applying the accounting policies and that have the most significant effect on the amounts recognised in the financial statements, other than those disclosed in the Notes, are as follows:

##### *i) Contingent Rental*

The Group and the Institution has entered into tenancy agreements for the lease of land and staff housing, which contain contingent rental features based on predetermined revenue thresholds. The Group and Institution has determined that these contingent rental features are not embedded derivatives to be separately accounted for due to the economic characteristics and risks of these contingent rental features are closely related to the economic characteristics and risks of the underlying tenancy agreements. There are no leverage features contained within these contingent rental features.

#### 3.2 KEY SOURCES OF ESTIMATION UNCERTAINTY

The key assumptions concerning the future, and other key sources of estimation uncertainty at the reporting date, that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next year, other than those disclosed in the Notes, are as follows:

##### *i) Depreciation Of Property, plant And Equipment*

The estimates for the residual values, useful lives and related depreciation charges for the property, plant and equipment are based on commercial factors which could change significantly as a result of technical innovations and competitors' actions in response to the market conditions. The Group and the Institution anticipates that the residual values of its property, plant and equipment will be insignificant. As a result, residual values are not being taken into consideration for the computation of the depreciable amount. Changes in the expected level of usage and technological development could impact the economic useful lives and the residual values of these assets, therefore future depreciation charges could be revised.

##### *ii) Impairment Of Goodwill On Consolidation*

The Group determines whether goodwill on consolidation is impaired at least on an annual basis. This requires an estimation of the value-in-use of the subsidiaries to which goodwill is allocated. Estimating a value-in-use amount requires management to make an estimate of the expected future cash flows from the subsidiaries and also to choose a suitable discount rate in order to calculate the present value of those cash flows.

The calculation of the value-in-use amount is most sensitive to the following assumptions:

- (a) Budgeted gross margin. Gross margins are based on historical averages achieved in the preceding three (3) financial years, adjusted to reflect anticipated efficiency and productivity improvements.
- (b) Growth rates. The forecasted growth rates are based on published industry data and do not exceed the sustainable long-term average growth rate for the relevant industries.

(c) Pre-tax discount rates. The discount rates reflect current market assessment of specific risks of the subsidiaries. These discount rates have consistently been used by management as the benchmark rates in project appraisals of the subsidiaries.

iii) *Income Taxes*

There are certain transactions and computations for which the ultimate tax determination may be different from the initial estimate. The Group and the Institution recognises tax liabilities based on its understanding of the prevailing tax laws and estimates of whether such taxes will be due in the ordinary course of business. Where the final outcome of these matters is different from the amounts that were initially recognised, such difference will impact the income tax expense and deferred tax balances in the year in which such determination is made.

iv) *Impairment of Receivables*

An impairment loss is recognised when there is objective evidence that a financial asset is impaired. Management specifically reviews its loans and receivables financial assets and analyses historical bad debts, customer concentrations, customer creditworthiness, current economic trends and changes in the customer payment terms when making a judgement to evaluate the adequacy of the allowance for impairment losses. 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. If the expectation is different from the estimation, such difference will impact the carrying value of receivables.

#### 4. PROPERTY, PLANT AND EQUIPMENT

	As at 1.1.2020 RM	Additions RM	Written off RM	As at 31.12.2020 RM
<b>GROUP COST</b>				
Freehold land	330,279	-	-	330,279
Freehold buildings	1,991,999	-	-	1,991,999
Leasehold land and buildings	15,525,761	250,000	-	15,775,761
Furniture and fittings	410,131	116,505	(179,735)	346,901
Office equipment	2,453,580	-	(1,533,479)	920,101
Library books	319,971	-	(318,996)	975
Library software	42,077	-	-	42,077
Building renovation	2,020,428	2,500	(265,763)	1,757,165
Lift	231,650	-	-	231,650
Web development	80,800	-	-	80,800
	23,406,676	369,005	(2,297,973)	21,477,708

	As at 1.1.2020 RM	Depreciation charge for the year RM	Written off RM	As at 31.12.2020 RM
<b>ACCUMULATED DEPRECIATION</b>				
Freehold land	-	-	-	-
Freehold buildings	119,399	41,761	-	161,160
Leasehold land and buildings	4,080,937	320,515	-	4,401,452
Furniture and fittings	282,214	26,155	(179,735)	128,634
Office equipment	2,045,687	80,169	(1,518,925)	606,931
Library books	319,874	97	(318,996)	975
Library software	25,244	4,208	-	29,452
Building renovation	796,453	105,817	(265,763)	636,507
Lift	208,486	23,164	-	231,650
Web development	-	-	-	-
	7,878,294	601,886	(2,283,419)	6,196,761

	2020 RM	2019 RM
<b>CARRYING AMOUNTS</b>		
Freehold land	330,279	330,279
Freehold buildings	1,830,839	1,872,600
Leasehold land and buildings	11,374,309	11,444,824
Furniture and fittings	218,267	127,917
Office equipment	313,170	407,893
Library books	-	97
Library software	12,625	16,833
Building renovation	1,120,658	1,223,975
Lift	-	23,164
Web development	80,800	80,800
	<b>15,280,947</b>	<b>15,528,382</b>

- (i) As at 31 December 2020, the document of title in respect of properties with an aggregate carrying amount of RM374,718 (2019: 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 RM10,502,661 (2019: RM10,787,472) which have been pledged to licensed banks as security for term loan facilities granted to the Institution as disclosed in Notes 18 and 19 to the financial statements.
- (iii) During the financial year, the Group purchased plant and equipment amounting to RM369,005 (2019: RM464,287) by cash.
- (iv) Depreciation charge of the Group for the previous financial year was RM574,244.
- (v) Fully depreciated property, plant and equipment which are still in use are as follows:

	Group	
	2020 RM	2019 RM
Leasehold land and buildings	76,931	-
Furniture and fittings	2,805	179,735
Office equipment	57,240	1,518,176
Library books	975	318,996
Building renovation	63,841	265,763
Lift	231,650	-
	<b>433,442</b>	<b>2,282,670</b>

	As at 1.1.2020 RM	Additions RM	Written off RM	As at 31.12.2020 RM
<b>INSTITUTION COST</b>				
Freehold land	330,279	-	-	330,279
Freehold buildings	1,991,999	-	-	1,991,999
Leasehold land and buildings	15,525,761	250,000	-	15,775,761
Furniture and fittings	389,574	116,505	(179,735)	326,344
Office equipment	2,195,939	-	(1,533,479)	662,460
Library books	319,971	-	(318,996)	975
Library software	42,077	-	-	42,077
Building renovation	1,901,722	-	(265,763)	1,635,959
Lift	231,650	-	-	231,650
	<b>22,928,972</b>	<b>366,505</b>	<b>(2,297,973)</b>	<b>20,997,504</b>

	As at 1.1.2020 RM	Depreciation charge for the year RM	Written off RM	As at 31.12.2020 RM
<b>ACCUMULATED DEPRECIATION</b>				
Freehold land	-	-	-	-
Freehold buildings	119,399	41,761	-	161,160
Leasehold land and buildings	4,080,937	320,515	-	4,401,452
Furniture and fittings	270,007	24,853	(179,735)	115,125
Office equipment	1,829,321	67,733	(1,518,925)	378,129
Library books	319,874	97	(318,996)	975
Library software	25,244	4,208	-	29,452
Building renovation	743,105	81,798	(265,763)	559,140
Lift	208,486	23,164	-	231,650
	7,596,373	564,129	(2,283,419)	5,877,083

	2020 RM	2019 RM
<b>CARRYING AMOUNTS</b>		
Freehold land	330,279	330,279
Freehold buildings	1,830,839	1,872,600
Leasehold land and buildings	11,374,309	11,444,824
Furniture and fittings	211,219	119,567
Office equipment	284,331	366,618
Library books	-	97
Library software	12,625	16,833
Building renovation	1,076,819	1,158,617
Lift	-	23,164
	15,120,421	15,332,599

- (i) As at 31 December 2020, the document of title in respect of properties with an aggregate carrying amount of RM374,718 (2019: 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 RM10,502,661 (2019: RM10,787,472) which have been pledged to licensed banks as security for term loan facilities granted to the Institution as disclosed in Notes 18 and 19 to the financial statements.
- (iii) During the financial year, the Institution purchased plant and equipment amounting to RM366,505 (2019: RM463,376) by cash.
- (iv) Depreciation charge of the Institution for the previous financial year was RM536,468.
- (v) Fully depreciated property, plant and equipment which are still in use are as follows:

	Institution	
	2020 RM	2019 RM
Leasehold land and buildings	76,931	-
Furniture and fittings	2,805	179,735
Office equipment	57,240	1,518,176
Library books	975	318,996
Building renovation	63,841	-
Lift	231,650	265,763
	433,442	2,282,670

## 5. INVESTMENT PROPERTIES

	Group and Institution	
	2020 RM	2019 RM
Leasehold land and buildings - at cost		
<b>At beginning / end of the financial year</b>	3,886,559	3,886,559
Accumulated depreciation		
At beginning of the financial year	385,968	308,237
Depreciation charge for the financial year	77,732	77,731
<b>At end of the financial year</b>	463,700	385,968
Carrying amount		
<b>At end of the financial year</b>	3,422,859	3,500,591

- (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 2020, the document of title in respect of properties with an aggregate carrying amount of RM37,873 (2019: RM38,672) has yet to be issued by the authorities.

## 6. INVESTMENT IN SUBSIDIARIES

	Institution	
	2020 RM	2019 RM
Unquoted shares in Malaysia - at cost	200,000	200,000

Details of the subsidiaries are as follows:

Name	Country of incorporation	Effective interest (%)		Principal Activity
		2019	2018	
IEM Training Centre Sdn. Bhd.	Malaysia	100.00	100.00	Organising conferences, seminars and trainings
IEM Academy Sdn. Bhd.	Malaysia	100.00	100.00	Provide competency and certification training programmes

## 7. DEFERRED TAX ASSET

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
At beginning of the financial year	930,231	736,691	-	-
Amount recognised in income and expenditure (Note 26)	-	193,540	-	-
At end of the financial year	930,231	930,231	-	-

Deferred tax liability of the Institution represents taxable temporary differences between net book value and tax written down value of plant and equipment.

Deferred tax assets have not been recognised in respect of the following items:

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
Other temporary differences	930,231	930,231	-	-

Deferred tax assets have not been recognised in respect of these items as they may not have sufficient taxable profit to be used to offset.

**8. RECEIVABLES**

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
Other Receivables	1,433,902	3,149,097	1,223,233	1,542,379
Less: Impairment losses				
At beginning of the financial year	121,707	193,033	58,498	58,498
Reversal	(55,959)	(93,339)	-	-
Addition	-	22,013	-	-
	(65,748)	(121,707)	(58,498)	(58,498)
	1,368,154	3,027,390	1,164,735	1,483,881
Subscription in arrears	434,686	448,789	434,686	301,645
Deposits	89,124	109,524	57,274	77,674
Prepayments	131,682	85,312	131,682	85,312
Amount due by subsidiaries	-	-	4,103	36,171
	2,023,646	3,671,015	1,792,480	1,984,683

Other receivables are unsecured, interest-free and are receivable on demand.

The amount due by subsidiaries represents unsecured, interest-free and repayable on demand and it represents advances.

**9. DEPOSITS, CASH AND BANK BALANCES**

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
Maturities more than 3 months	3,267,437	7,443,020	1,384,405	3,662,133
Maturities less than 3 months	1,418,362	207,386	1,191,732	10,336
Less: Fixed deposits held in trust	-	(1,009,763)	-	(1,009,763)
Fixed deposits with license banks	4,685,799	6,640,643	2,576,137	2,662,706
Cash in hand	3,271	3,354	3,177	3,177
Cash at banks	2,766,755	3,075,604	2,054,253	1,708,362
	7,455,825	9,719,601	4,633,567	4,374,245

Included in fixed deposits with licensed banks of the Institution is RM279,671 (2019: RM333,128) 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 1.70% to 2.85% (2019: 2.90% to 4.50%) per annum. The maturity of deposits as at the end of the financial year was between 1 month to 12 months (2019: 1 month to 12 months).

For the purpose of statement of cash flows, cash and cash equivalents comprise:

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
Fixed deposits with licensed bank with maturities less than 3 months	1,418,362	207,386	1,191,732	10,336
Cash and bank balances	2,770,026	3,078,958	2,057,430	1,711,539
	4,188,388	3,286,344	3,249,162	1,721,875

**10. ACCUMULATED FUND**

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
Opening balance	9,462,845	9,601,807	7,554,846	7,821,622
Surplus / (deficit) for the financial year	1,327,170	27,324	16,859	(43,735)
	10,790,015	9,629,131	7,571,705	7,777,887
<b>TRANSFER TO:</b>				
- Capital reserve fund	(176,930)	(68,447)	(176,930)	(68,447)
- Activities fund	(67,331)	56,755	(67,331)	-
- Library fund	(18,450)	(37,150)	(18,450)	(37,150)
- Building fund	(56,380)	(117,444)	(56,380)	(117,444)
- Stem fund	(7,162)	-	(7,162)	-
	10,463,762	9,462,845	7,245,452	7,554,846

**11. CAPITAL RESERVE FUND**

	Group and Institution	
	2020 RM	2019 RM
Opening balance	3,663,686	3,305,582
Repayment of term loan by Sabah branch (Term loan)	152,500	343,500
Overtaken of repayment of term in prior years	(259,600)	-
Drawdown of repayment	(102,628)	(53,843)
Transfer from accumulated fund	176,930	68,447
	3,630,888	3,663,686

**12. CAPITAL CONTRIBUTION RESERVE**

	Group and Institution	
	2020 RM	2019 RM
Opening balance	4,262,354	3,983,774
Entrance and transfer fees	151,060	278,580
	4,413,414	4,262,354

**13. ACTIVITIES FUND**

	Group and Institution	
	2020 RM	2019 RM
Opening balance	-	-
Transfer from accumulated fund	67,331	-
	67,331	-

**14. LIBRARY FUND**

	Group and Institution	
	2020 RM	2019 RM
Opening balance	747,448	710,298
Transfer from accumulated fund	18,450	37,150
	765,898	747,448

**15. BUILDING FUND**

	Group and Institution	
	2020 RM	2019 RM
Opening balance	3,597,253	3,479,809
Transfer from accumulated fund	56,380	117,444
	3,653,633	3,597,253

**16. STEM FUND**

	Group and Institution	
	2020 RM	2019 RM
Opening balance	19,813	8,609
Transfer from accumulated fund	7,162	11,204
	26,975	19,813

**17. PAYABLES**

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
<b>NON-CURRENT</b>				
Amount due to IEM Education Fund (Note (i))	-	316,398	-	373,153
<b>CURRENT</b>				
Subscription in advance	1,986,215	2,190,414	1,986,215	2,179,936
Trade payables	98,047	1,305,323	80,111	1,060,214
Other payables	1,594,622	-	1,600,385	-
Accruals	85,486	-	69,420	-
Deposit received	139,525	742,971	139,525	742,971
Advance payment received	73,550	-	73,550	-
Deferred revenue	143,326	5,370,335	-	-
Amount due to IEM Education Fund (Note (i))	125,158	-	125,158	-
	4,245,929	9,609,043	4,074,364	3,983,121

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
Amount due to IEM Education Fund	249,708	440,948	249,708	497,703
<b>LESS: AMORTISED COST ADJUSTMENT</b>				
At beginning of the financial year	(124,550)	(181,305)	(124,550)	(181,305)
Current year adjustment	-	56,755	-	56,755
At end of the financial year	(124,550)	(124,550)	(124,550)	(124,550)
	125,158	316,398	125,158	373,153
<b>REPRESENTING:</b>				
Current	125,158	-	125,158	-
Non-current	-	316,398	-	373,153
	125,158	316,398	125,158	373,153

The amount for the non-current portion represents unsecured and interest-free advances with amortised cost adjustment at NIL (2019: 6.35%) per annum, which is payable at the end of the financial year 2021.

**18. TERM LOAN**

	Group and Institution	
	2020 RM	2019 RM
<b>CURRENT</b>		
Repayable within one year	109,881	92,858
<b>NON-CURRENT</b>		
Repayable between one to two years	115,980	99,286
Repayable between two to five years	388,040	353,690
Repayable more than five years	575,096	753,469
	1,079,116	1,206,445
<b>Total term loan</b>	1,188,997	1,299,303

Details of the repayment terms are as follows:

Term Loan	Monthly Installment RM	Number of Monthly Installment	Date of Commencement of Repayment	2020 RM	2019 RM
1	1,217	240	January 2010	153,420	175,279
2	13,357	180	September 2014	1,035,577	1,124,024
				1,188,997	1,299,303

The bank borrowings are is secured by way of:

Fixed charges over Institution's properties (Note 4), and

The term loans bear interest rates range from 4.10% to 5.67% (2019: 5.35% to 7.17%) per annum.

**19. BANK OVERDRAFT**

	Group and Institution	
	2020 RM	2019 RM
Secured	102,375	-

The bank borrowings are is secured by way of:

Fixed charges over Institution's properties (Note 4), and

The bank overdraft bear interest rates range at 1.00% (2019: NIL) per annum.

**20. PERSONNEL EMOLUMENTS AND BENEFITS**

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
<b>THESE REPRESENT EXPENSES INCURRED IN RELATION TO:</b>				
Salaries and wages	2,179,322	2,037,446	1,858,876	1,720,525
Staff allowance and ex-gratia	227,948	201,649	227,948	201,649
Overtime	23,463	39,090	23,463	39,090
EPF and Socso contributions	341,502	307,444	290,194	225,253
Medical expenses	5,464	8,056	4,481	8,056
Staff insurance	24,654	10,678	12,086	10,678
Staff training	4,315	4,520	4,315	4,520
Long service award	11,000	-	11,000	-
Staff trip	-	25,860	-	25,860
Staff reimbursement	2,500	-	2,500	-
Others	5,257	13,348	5,257	4,510
	2,825,425	2,648,091	2,440,120	2,240,141

**21. ADMINISTRATIVE EXPENSES**

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
<b>THESE REPRESENT EXPENSES INCURRED IN RELATION TO:</b>				
Advertisement	2,520	19,000	1,320	-
Accountancy fee	45,792	45,870	-	-
AGGSEA expenses	-	5,500	-	-
Auditors' remuneration	36,800	44,510	28,000	29,000
Annual dinner table	-	5,000	-	-
Annual general meeting	4,847	16,910	4,847	16,910
Bad debts written off	32,257	-	-	-
Bank charges	14,257	19,591	13,620	18,558
Balloting expenses	21,648	17,651	21,648	17,651
Commissions	15,968	6,400	-	-
Credit card charges	40,711	53,717	40,711	53,717
Donation	313	3,952	-	-
Disbursement	-	1,534	-	-
Fine and penalty	60	908	7	775
Holding tax	375	4,646	-	-
HRDF fund	-	3,000	-	-
Insurance	19,692	35,164	19,692	23,556
Impairment of loss on receivables	(15,233)	6,780	-	-
Ipay charges	1,928	7,451	-	-
License fee	460	-	-	-
Lucky draw expenses	4,586	-	4,586	-
Mailing services	25,062	55,327	26,081	55,327
Miscellaneous	-	75,987	-	75,987
Maintenance	18,169	75,732	-	-
Marketing and promotion	-	30,000	-	30,000
Meeting allowance	(200)	133	-	-
Medical expenses	-	1,169	-	-
Overdraft charges	18,557	15,672	18,557	15,672
Office printing and stationery	44,709	171,575	41,605	120,055
Office equipment maintenance	-	4,320	18,169	57,757
Office expenses	94,318	64,872	91,889	61,036
Professional, legal fee and tax service fees	13,345	47,338	3,498	24,556
Postages	130,941	282,770	129,083	281,217
Phone allowance	2,170	2,553	-	-
Property, plant and equipment written off	14,553	-	14,553	-
Rental of office equipment	51,100	96,359	39,000	34,600
Refreshment	570	739	-	-
Registration Fee	-	583	-	-
Secretaries Fee	16,404	-	-	-
Service charge	33	91	-	-
Stamp duty	60	50	40	30
SST expenses	1,809	27,350	1,740	-
Subscription fee	1,428	-	1,428	-
Telephone, fax and internet	51,219	52,703	44,287	45,984
Transport and travelling	12,965	78,368	9,580	77,183
Training	-	250	-	-
Upkeep of furniture and fittings	1,050	4,345	-	-
Upkeep of office	6,646	-	-	-
Website maintenance	125,039	106,750	86,018	85,274
Water and electricity	-	8,609	-	-
	856,928	1,501,229	659,959	1,124,845

The number of full time employees of the Group (excluding council members) as at the end of the financial year was 47 (2019: 47).

The number of full time employees of the Institution (excluding council members) as at the end of the financial year was 40 (2019: 40).

**22. BRANCH SUBSIDIES**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT SUBSIDIES GIVEN TO THE FOLLOWING BRANCHES:</b>		
Negeri Sembilan branch	28,654	18,698
Southern branch	55,218	40,977
Perak branch	39,578	26,373
Penang branch	42,792	35,641
Malacca branch	19,635	12,654
Sarawak branch	82,735	81,324
Sabah branch	54,128	54,425
Miri branch	12,965	14,361
Kedah / Perlis branch	26,124	16,992
Kelantan branch	11,391	7,713
Terengganu branch	13,493	5,589
Pahang branch	16,708	11,093
Branch development fund	126,000	126,000
	<b>529,421</b>	<b>451,840</b>

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.

**23. INTER-SOCIETY ACTIVITIES**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT SUBSCRIPTIONS INCURRED IN RELATION TO:</b>		
Balai Ikhtisas Malaysia (BIM)	1,500	-
World Federation of Engineering Organisation (WFEO)	12,685	13,010
ASEAN Federation of Engineering Organisation (AFEO)	818	-
Federation of Engineering Institutions of Asia and the Pacific (FEIAP)	3,423	3,253
Building Management Association of Malaysia (BMAM)	500	500
Malaysia Green Building Confederation (MGBC)	212	-
Malaysian Service Providers Confederation (MSPC)	500	500
SIRIM Technical Library	2,030	2,000
	<b>21,668</b>	<b>19,263</b>

**24. SURPLUS FROM INSTITUTIONAL SERVICES**

	Note	Group		Institution	
		2020 RM	2019 RM	2020 RM	2019 RM
<b>THESE REPRESENT INCOME FROM THE FOLLOWING:</b>					
Council		(12,673)	(20,303)	(12,673)	(20,303)
Executive committee		(4,830)	(7,612)	(4,830)	(7,612)
Standing committee on:					
- Activities committee	27	2,961	122,577	2,961	122,577
- Admissions and practical training committee	28	82,400	100,453	59,900	100,453
- Examinations and qualifications committee	29	(14,330)	(48,606)	(14,330)	(48,606)
- Finance		92,518	8,133	46,726	8,133
- Professional practice		36,516	33,417	36,516	33,417
- Information and publications committee	30	71,389	70,450	71,389	70,450
- Welfare and service matters committee	31	51,949	(38,033)	51,949	(38,033)
- Corporate affairs committee	32	(2,287)	(96,555)	(2,287)	(96,555)
Technical divisions	33	181,583	383,295	181,583	383,295
Library committee		(85,598)	(34,560)	(85,598)	(34,560)
Young engineer section	34	6,820	(6,971)	6,820	(6,971)
Awards committee		(132)	(6,198)	(132)	(6,198)
Woman Engineers section		(1,491)	(33,944)	(1,491)	(33,944)
Ad Hoc Committee		385	3,344	385	3,344
		405,180	428,887	336,888	428,887

**25. DEFICIT FROM RENTAL INCOME**

	Note	Group and Institution	
		2020 RM	2019 RM
<b>RENTAL INCOME:</b>			
- Bangunan Ingenieur		224,684	221,646
- Wisma IEM		292,236	259,750
- Sabah Training Centre		303,600	263,000
		820,520	744,396
<b>LESS EXPENDITURE:</b>			
- Bangunan Ingenieur	35	185,746	227,176
- Wisma IEM	36	248,224	224,975
- Sabah Training Centre	37	44,000	43,500
- Depreciation			
- property, plant and equipment		467,238	441,514
- investment properties		77,732	77,731
- Finance cost		60,835	96,819
		(1,083,775)	(1,111,715)
		(263,255)	(367,319)

**26. INCOME TAX EXPENSE**

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
Current year tax provision	289,873	184,749	-	-
(Over) / under provision in previous year	247,090	(71,427)	108,860	-
Deferred tax (Note 7)	-	(193,540)	-	-
	536,963	(80,218)	108,860	-

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.

A reconciliation of income tax expense applicable to surplus / (deficit) before tax at the statutory income tax rate to income tax expense at the effective income tax rate of the Group and of the Institution is as follows:

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
Surplus / (deficit) before tax	1,388,748	(222,092)	(23,414)	(212,933)
Tax at Malaysian Statutory income tax rate of 24% (2019: 24%)	333,300	(53,302)	(5,620)	(51,104)
Tax effect on changes in tax rate	(53,437)	(30,194)	-	-
Non-taxable income	(20,207)	-	-	-
Expenses not deductible for tax	218,847	67,594	194,803	51,104
Deferred tax expense arising from origination and reversal of temporary differences not recognised during the financial year	(188,630)	10,471	(189,183)	-
Under provision in previous years	247,090	(74,787)	108,859	-
Tax expense for the financial year	536,963	(80,218)	108,859	-

## 27. ACTIVITIES COMMITTEE

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT SURPLUS FROM THE FOLLOWING:</b>		
Annual dinner	2,841	115,405
Souvenir costs	2,576	(686)
Seminar / courses / materials	(304)	(8,116)
Others	(2,152)	15,974
	2,961	122,577

## 28. ADMISSIONS AND PRACTICAL TRAINING COMMITTEE

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
<b>THESE REPRESENT SURPLUS FROM THE FOLLOWING:</b>				
Meeting	(1,476)	(2,457)	(1,476)	(2,457)
Printing / circulars	300	(184)	300	(184)
Miscellaneous	(430)	6,447	(430)	6,447
Membership drive	5,800	(12,277)	5,800	(12,277)
CPD income	67,200	135,881	44,700	135,881
CPD expenses	(8,850)	(7,223)	(8,850)	(7,223)
Incentive for university	-	(20,715)	-	(20,715)
Others	19,856	981	19,856	981
	82,400	100,453	59,900	100,453

**29. EXAMINATIONS AND QUALIFICATIONS COMMITTEE**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT SURPLUS / (DEFICIT) FROM THE FOLLOWING:</b>		
Professional interview fee	47,680	167,734
Professional interviewers' fee	(98,400)	(220,057)
PI workshop	46,646	27,875
Meeting	(623)	(1,883)
Other expenses	(9,633)	(22,275)
	(14,330)	(48,606)

**30. INFORMATION AND PUBLICATIONS COMMITTEE**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT SURPLUS FROM THE FOLLOWING:</b>		
Advertisements in bulletin	72,000	72,000
Meeting	(611)	(1,760)
Sale of the travel story book	-	50
Sale of Bamboo Books	-	210
Others	-	(50)
	71,389	70,450

**31. WELFARE AND SERVICE MATTERS COMMITTEE**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT SURPLUS / (DEFICIT) FROM THE FOLLOWING:</b>		
Benevolent income	17,219	24,188
Engineering week	(404)	(15,397)
Other income	47	-
Meeting	(135)	(711)
Professional insurances indemnity	39,687	1,432
Prize for SPM / STPM achievers	(3,300)	(5,400)
Miscellaneous	-	(30)
IEM Family Day	(68)	(41,215)
Employment Survey	(1,097)	(900)
	51,949	(38,033)

**32. CORPORATE AFFAIRS COMMITTEE**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT DEFICIT FROM THE FOLLOWING:</b>		
Attending seminars and conference	26	(69,523)
Public relation	(169)	(2,128)
Overseas visitors	(964)	(5,784)
Local social functions	(405)	(17,008)
Others	(775)	(2,112)
	(2,287)	(96,555)

**33. TECHNICAL DIVISIONS**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT SURPLUS FROM THE FOLLOWING:</b>		
Geotechnical Engineering Technical Division	(30,824)	34,434
Chemical Engineering Technical Division	2,146	(11,855)
Project Management Technical Division	49,318	74,351
Building Services Engineering Technical Division	12,493	79,969
Mechanical Engineering Technical Division	8,587	4,017
Civil and Structural Engineering Technical Division	10,368	101,105
Electrical Engineering Technical Division	56,108	18,357
Water Resources Technical Division	191	(4,541)
Oil & Gas and Mining Engineering Technical Division	19,358	14,764
Environmental Engineering Technical Division	(929)	40,480
Highway and Transportation Engineering Technical Division	32,242	3,276
Engineering Education Technical Division	(349)	5,539
Information Technology Special Interest Group	1,808	8,549
Agricultural and Food Engineering Technical Division	3,414	8,728
Tunneling and Underground Space Engineering Technical Division	3,428	(61,311)
Electronic Engineering Technical Division	(7,000)	-
Marine Engineering & Naval Architecture Technical Division	5,890	827
Public Sector Engineers Special Interest Group	408	11,455
Consulting Engineers Special Interest Group	14,243	234
Urban Engineers development SIG	1,185	27
Senior SIG	(502)	3,445
Technical divisions incentive account	-	51,445
	<b>181,583</b>	<b>383,295</b>

**34. YOUNG ENGINEER SECTION**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT EXPENSES INCURRED IN RELATION TO:</b>		
<b>Income</b>		
- Courses, seminar and other activities	37,615	37,759
<b>Less: Expenditure</b>		
- Others	(30,795)	(44,730)
	<b>6,820</b>	<b>(6,971)</b>

**35. BANGUNAN INGENIEUR**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT EXPENSES INCURRED IN RELATION TO:</b>		
License fee	675	300
Quit rent and assessment	28,369	16,217
Insurance	2,875	3,224
Building repairs and maintenance	19,299	32,475
Building security	65,456	82,535
Utilities	69,072	92,425
	<b>185,746</b>	<b>227,176</b>

**36. WISMA IEM**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT EXPENSES INCURRED IN RELATION TO:</b>		
Quit rent and assessment	24,348	32,080
Insurance	13,933	9,974
Building repairs and maintenance	73,219	30,996
Building security	97,812	94,502
Utilities	36,672	55,683
Fire fighting	2,240	1,740
	<b>248,224</b>	<b>224,975</b>

**37. SABAH TRAINING CENTRE**

	Group and Institution	
	2020 RM	2019 RM
<b>THESE REPRESENT EXPENSES INCURRED IN RELATION TO:</b>		
Building repairs and maintenance	44,000	43,500

**38. FINANCIAL INSTRUMENTS**

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
<b>FINANCIAL ASSETS</b>				
Subscription in arrears	434,686	448,789	434,686	301,645
Others receivables	1,368,154	3,027,390	1,164,735	1,483,881
Deposits	89,124	109,524	57,274	77,674
Amount due by a subsidiary	-	-	4,103	36,171
Fixed deposits with licensed bank	4,685,799	6,640,643	2,576,137	2,662,706
Cash and cash balances	2,770,026	3,078,958	2,057,430	1,711,539
	<b>9,347,789</b>	<b>13,305,304</b>	<b>6,294,365</b>	<b>6,273,616</b>
<b>FINANCIAL LIABILITIES</b>				
Subscription in advance	1,986,215	2,190,414	1,986,215	2,179,936
Trade payables	98,047	1,305,323	80,111	1,060,214
Other payables	1,594,622	-	1,600,265	-
Accruals	85,486	-	69,420	-
Deposit received	139,525	742,971	139,525	742,971
Advance payment received	73,550	-	73,550	-
Deferred revenue	143,326	5,370,335	-	-
Amount due to IEM Education Fund	125,158	316,398	125,158	373,153
Bank overdraft	102,375	-	102,375	-
Term loan	1,188,997	1,299,303	1,188,997	1,299,303
	<b>5,537,301</b>	<b>11,224,744</b>	<b>5,365,736</b>	<b>5,655,577</b>

Net gain and losses arising from financial instruments

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
<b>NET (LOSSES) / GAIN ARISING FROM:</b>				
<b>Financial asset at amortised cost</b>				
Bad debts written off	32,257	-	-	-
Impairment loss on receivables	-	22,013	-	-
Reversal of impairment loss on trade receivables	(55,959)	(93,339)	-	-
Interest income	(157,310)	(175,367)	(57,745)	(87,284)
	(181,012)	(246,693)	(57,745)	(87,284)
<b>Financial liabilities at amortised cost</b>				
Subscription in arrears written off	151,759	127,567	151,759	-
Amortised cost adjustment	-	56,755	-	56,755
Interest expense	60,835	96,819	60,835	96,819
	212,594	281,141	212,594	153,574
	31,582	34,448	154,849	66,290

### 39. OPERATING LEASE COMMITMENTS

The total minimum lease payments under non-cancellable operating leases of the Company for the leasing of the premises are as follows:

	Group		Institution	
	2020 RM	2019 RM	2020 RM	2019 RM
<b>As Lessee</b>				
Within one year	434,443	434,443	524,443	524,443
Between two to five years	446,655	881,098	604,155	1,128,598
	881,098	1,315,541	1,128,598	1,653,041

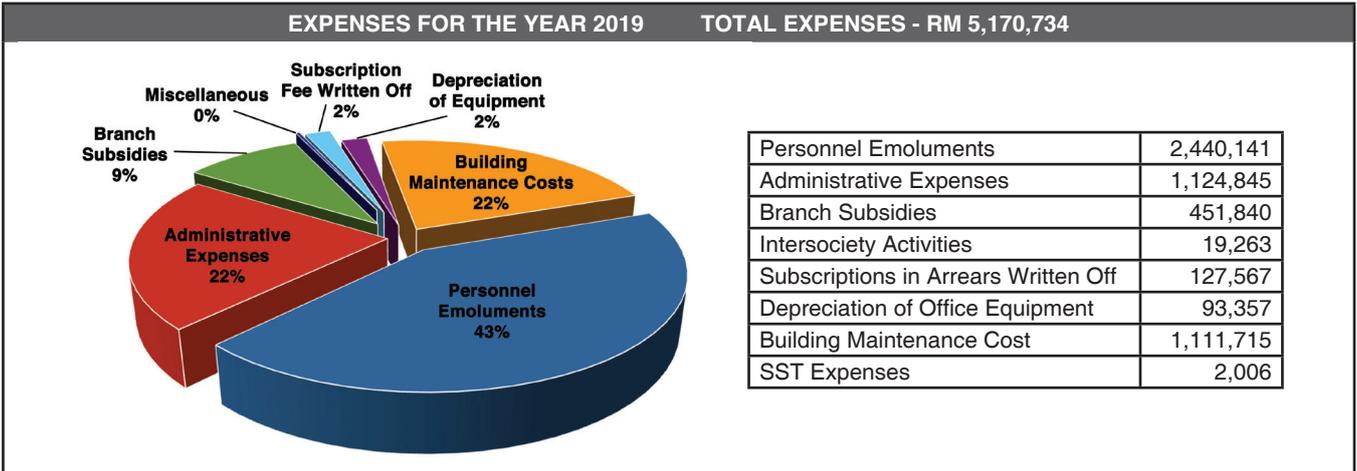
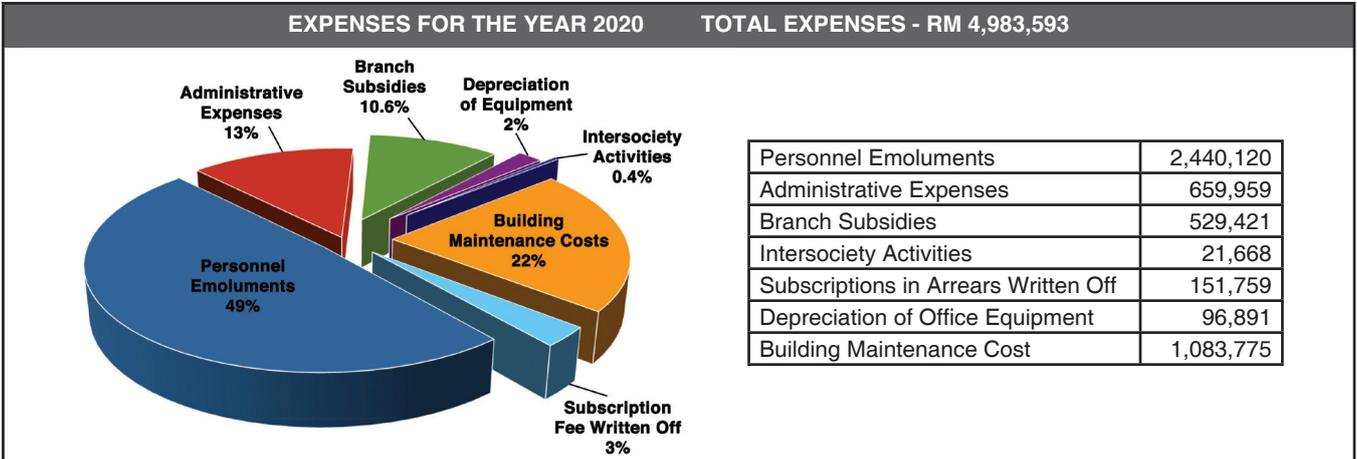
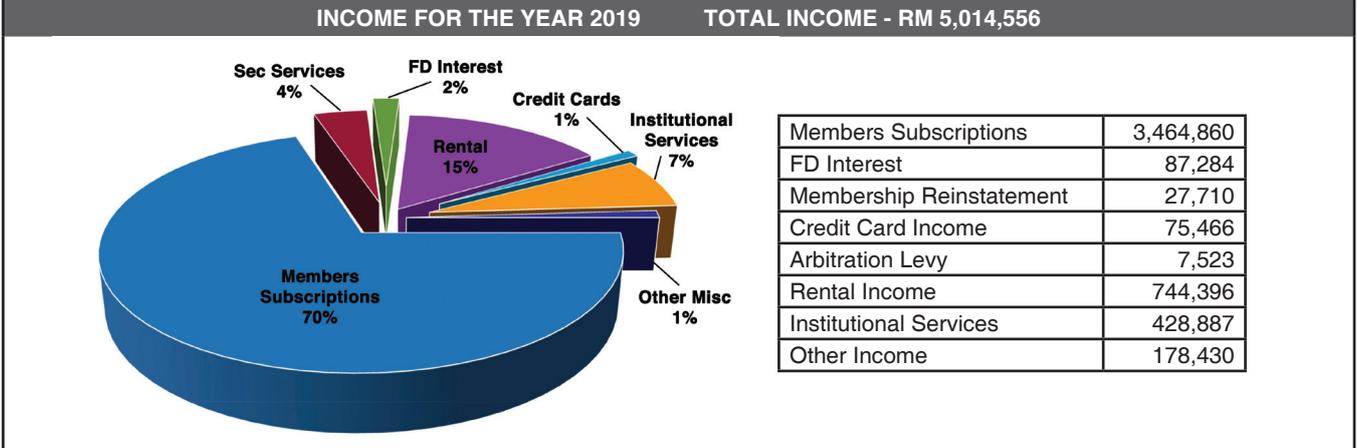
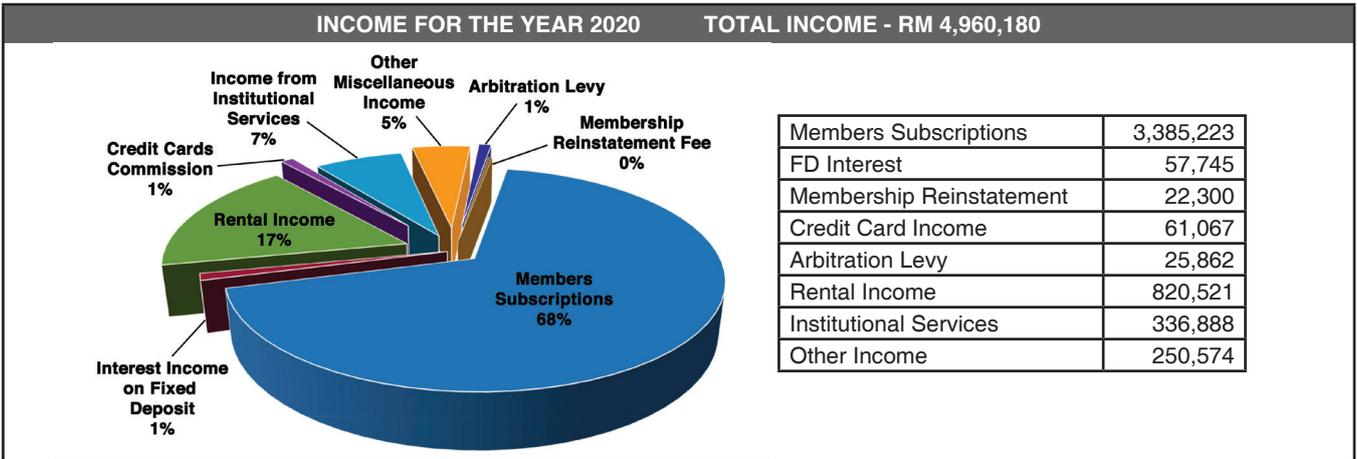
### 40. SIGNIFICANT EVENT DURING THE FINANCIAL YEAR

The outbreak of Coronavirus Disease 2019 ("COVID-19") in early 2020 has affected the business and economic environments of the Company. The governments and various private corporations have taken different measures to prevent the spread of the virus such as travel bans, quarantines, closures of non-essential services, social distancing and home quarantine requirements which impacted businesses, our customers and the Company's operations directly or indirectly. Given the widespread nature of the outbreak and the unpredictability of future development of COVID-19, it is challenging to determine the duration of the impact on the business and to measure the potential impact on the financial statements of the Company. The Company continues to closely monitor the situation.

### 41. AUTHORISATION FOR ISSUE OF THE FINANCIAL STATEMENTS

The financial statements of the Group and of the Institution were authorised for issue by the Council of the Institution on 29 March 2021.

## PIE CHARTS



**IEM BRANCHES**  
**STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2020**

	PENANG BRANCH		SABAH BRANCH		PERAK BRANCH		SEREMBAN BRANCH		MIRI BRANCH		TERENGGANU BRANCH		SOUTHERN BRANCH		KELANTAN BRANCH		KEDAH-PERLIS BRANCH		PAHANG BRANCH		MALACCA BRANCH		SARAWAK BRANCH		IEM HQ		TOTAL			
	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	
<b>ASSETS</b>																														
<b>NON-CURRENT ASSETS</b>																														
Property, Plant and Equipment	155,266	1,226,986	22,395	18,440	54,774	-	61,968	4,455	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,544,750	15,120,421	18,209,455				
Investment Properties	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,422,859	3,422,859			
Investment in Subsidiaries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200,000	200,000			
<b>CURRENT ASSETS</b>																														
Receivables	129,925	45,333	8,942	2,050	2,205	-	6,438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32,660	1,792,480	2,020,033					
Deposit, Cash and Bank Balances	489,509	620,782	120,673	123,221	78,886	-	327,163	74,199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	287,775	4,633,567	6,810,960					
Tax Recoverable	-	-	-	-	-	-	4,007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,007	-		
<b>TOTAL ASSETS</b>	<b>619,434</b>	<b>686,115</b>	<b>129,615</b>	<b>125,271</b>	<b>81,091</b>	<b>-</b>	<b>337,608</b>	<b>74,199</b>	<b>-</b>	<b>399,576</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>320,435</b>	<b>6,426,047</b>	<b>8,834,999</b>					
	774,700	1,893,101	152,010	143,710	135,864	-	399,576	78,654	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,865,185	25,169,327	30,667,313					
<b>EQUITY AND LIABILITIES</b>																														
<b>EQUITY</b>																														
Accumulated Fund	619,558	1,202,310	128,089	131,110	148,764	-	370,472.00	77,133.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,786,144.70	7,245,452.00	11,830,557				
Capital Reserve Fund	-	-	15,259	-	-	-	19,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,630,888	3,665,947			
Capital Contribution Reserve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,413,414	4,413,414			
Activities Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67,331	67,331				
Library Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	765,898	765,898			
Building Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,653,633	3,653,633			
STEM Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,975	26,975			
<b>TOTAL EQUITY</b>	<b>619,558</b>	<b>1,202,310</b>	<b>143,348</b>	<b>131,110</b>	<b>148,764</b>	<b>39,163</b>	<b>390,272</b>	<b>77,134</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,786,145</b>	<b>19,803,591</b>	<b>24,423,755</b>					
	46,405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46,405			
<b>NON-CURRENT LIABILITIES</b>																														
Payable	46,405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Term Loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>CURRENT LIABILITIES</b>																														
Payables	108,737	690,792	8,662	12,600	1,100	-	9,304	1,520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79,040	4,074,364	4,986,119					
Amount Due to IEM HQ - Loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bank Overdraft	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Term Loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>TOTAL LIABILITIES</b>	<b>108,737</b>	<b>690,792</b>	<b>8,662</b>	<b>12,600</b>	<b>1,100</b>	<b>-</b>	<b>9,304</b>	<b>1,520</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>79,040</b>	<b>4,286,620</b>	<b>5,198,375</b>					
	155,142	690,792	8,662	12,600	1,100	-	9,304	1,520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79,040	5,365,736	6,323,896					
<b>TOTAL EQUITY AND LIABILITIES</b>	<b>774,700</b>	<b>1,893,102</b>	<b>152,010</b>	<b>143,710</b>	<b>149,864</b>	<b>39,163</b>	<b>399,576</b>	<b>78,654</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,865,185</b>	<b>25,169,327</b>	<b>30,747,651</b>					

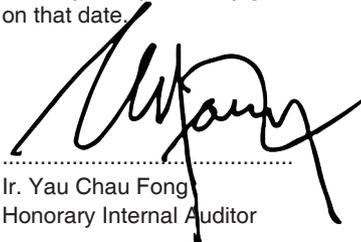
	PENANG BRANCH	SABAH BRANCH	PERAK BRANCH	SEREMBAN BRANCH	MIRI BRANCH	TERENG- GANU BRANCH	SOUTHERN BRANCH	KELANTAN BRANCH	KEDAH- PERLIS BRANCH	PAHANG BRANCH	MALACCA BRANCH	SARAWAK BRANCH	IEM HQ	TOTAL
	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM
<b>INCOME / REVENUE</b>														
Subsidy from IEM HQ	60,793	72,128	57,578	37,654	21,965	6,258	73,217	11,391	35,124	27,889	19,635	100,735		524,366
Subsidy from EETD	3,000													3,000
Subsidy received from PERKESO	16,200	10,800		5,400	5,400		5,400							43,200
Surplus from Seminar, Conferences and Technical Visit	26,130	25,173	1,575	56	(16,573)	343	35,354	10,663		48,055	1,975	18,981	336,888	488,601
Sponsorship Received					31,335	1,500	23,760	2,230	2,450					37,515
Rental Income	9,500		9,900			7,253							(263,255)	(222,342)
Administration Charges										15		7,280		9,500
Bank / Fixed Deposit Interest Received	12,852	6,285	1,579	2,418	1,711		5,699		745				3,385,223	37,838
Collection for IEM Membership Application									120					3,385,968
Collection on IEM Membership Reinstatement fees														120
Miscellaneous Income														
Contribution Received for INTEC Building Fund	7,327	8,098		433	37,483		5,549	31,600			510	15,855		466,658
<b>TOTAL INCOME</b>	135,802	122,484	70,632	45,961	81,321	15,354	148,959	55,884	37,574	76,824	22,120	697,850	3,876,404	5,387,170
<b>LESS: ADMINISTRATION AND OPERATING EXPENSES</b>														
Administrative Expenses	(142,910)	(60,134)	(38,148)	(16,217)	(27,018)	(6)	(53,610)	(4,978)	(7,917)	(55,464)	(668)	(98,806)	(659,959)	(1,165,835)
Miscellaneous Expenses	(10,527)		(1,445)	(1,000)	(25,470)	(12,510)	(15,975)	(3,185)	(7,336)	(457)	(4,417)	(16,300)	(270,318)	(368,940)
Personal Emoluments	(121,475)	(173,602)	(33,054)	(27,524)	(23,438)		(114,242)		(16,128)	(7,500)	(8,400)	(85,467)	(2,440,120)	(3,050,950)
Branch Subsidies													(529,421)	(529,421)
Contribution to IEM HQ - Property Application					7,000					(695)				7,000
Reimbursement for IEM Membership Application														(695)
Reimbursement for BEM Membership Application										(4,800)				(4,800)
Reimbursement to IEM HQ Expenses on INTEC Building Tax Expenses	(79)						(48)			(1,060)		(76,606)		(76,606)
<b>TOTAL EXPENSES</b>	(274,991)	(233,736)	(72,647)	(44,742)	(68,926)	(12,516)	(183,875)	(8,163)	(31,381)	(69,976)	(13,484)	(277,179)	(3,899,818)	(5,191,434)
<b>SURPLUS / (DEFICIT) FOR THE YEAR AFTER TAX</b>	(139,189)	(111,252)	(2,015)	1,220	12,396	2,838	(34,916)	47,722	6,192	6,848	8,636	420,671	(23,414)	195,736

**IEM EDUCATION FUND  
STATUTORY FINANCIAL STATEMENTS  
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020**

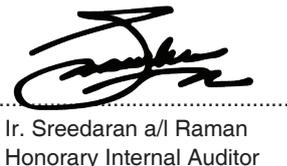
**HONORARY INTERNAL AUDITOR’S REPORT  
ACCOUNTS FOR THE YEAR ENDED 31 DECEMBER 2020**

I have examined the Balance Sheet as at 31 December 2020, the Income and Expenditure Account together with Notes on the Accounts set out on pages 176 to 184, 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. Yau Chau Fong  
Honorary Internal Auditor

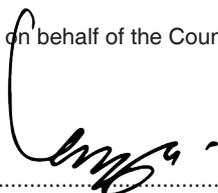


.....  
Ir. Sreedaran a/l Raman  
Honorary Internal Auditor

**STATEMENT BY COUNCIL**

In the opinion of the council, the financial statements set out on pages 176 to 184 are drawn up in accordance with Malaysian Private Entities Reporting Standard and the constitution and bylaws of the Institution so as to give a true and fair view of the financial position of the Institution as at 31 December 2020 and of the financial performance and cash flows of the Institution for the financial year ended on that date.

Signed on behalf of the Council,



.....  
Ir. Ong Ching Loon  
President



.....  
Ir. Chen Harn Shean  
Hon Treasurer

Petaling Jaya  
Date: 29 March 2021

**STATUTORY DECLARATION**

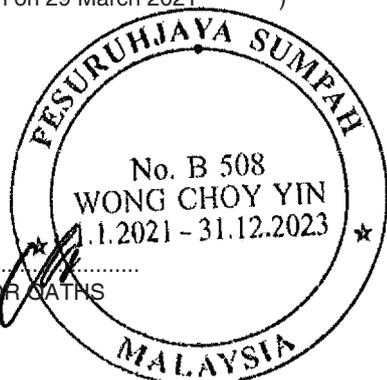
I, Ir. Chen Harn Shean (I/C No.: 740813-14-5631), the Hon Treasurer primarily responsible for the financial management of The Education Fund of The Institution of Engineers, Malaysia, do solemnly and sincerely declare that the financial statements set out on pages 176 to 184 are, in my opinion, correct 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 Petaling Jaya in the state of )  
Selangor Darul Ehsan on 29 March 2021 )



.....  
Ir. Chen Harn Shean

Before me,



.....  
COMMISSIONER FOR OATHS

3 Damansara Shopping Mall  
3, Jalan SS20/27  
47400 Petaling Jaya  
Selangor Darul Ehsan

## **INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF THE EDUCATION FUND OF THE INSTITUTION OF ENGINEERS, MALAYSIA**

### *Opinion*

We have audited the financial statements of The Education Fund of The Institution of Engineers, Malaysia, which comprise the statement of financial position as at 31 December 2020 of the Institution, and the statement of income and expenditure, statement of changes in accumulated fund and statement of cash flows of the Institution for the financial year then ended, and notes to the financial statements, including a summary of significant accounting policies, as set out on pages 176 to 184.

In our opinion, the accompanying financial statements give a true and fair view of the financial position of the Institution as at 31 December 2020, and of its financial performance and its cash flows for the financial year then ended in accordance with Malaysian Private Entities Reporting Standard and the constitution and by-laws of the institution.

### *Basis for Opinion*

We conducted our audit in accordance with approved standards on auditing in Malaysia and International Standards on Auditing. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### *Independence and Other Ethical Responsibilities*

We are independent of the Institution in accordance with the By-Laws (on Professional Ethics, Conduct and Practice) of the Malaysian Institute of Accountants ("By-Laws") and the International Ethics Standards Board for Accountants' International Code of Ethics for Professional Accountants (including International Independence Standards) ('IESBA Code'), and we have fulfilled our other ethical responsibilities in accordance with the By-Laws and the IESBA Code.

### *Responsibilities of the Council for the Financial Statements*

The council of the Institution is responsible for the preparation of financial statements of the Institution that give a true and fair view in accordance with Malaysian Private Entities Reporting Standard and the constitution and by-laws of the institution. The council is also responsible for such internal control as the council determine is necessary to enable the preparation of financial statements of the Institution that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements of the Institution, the council is responsible for assessing the Institution's 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 members either intend to liquidate the Institution or to cease operations, or has 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 Institution 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 judgment and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements of the Institution, 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 Institution's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the council members.
- 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 Institution'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 Institution 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 Institution to cease to continue as a going concern.

- Evaluate the overall presentation, structure and content of the financial statements of the Institution, including the disclosures, and whether the financial statements of the Institution 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.

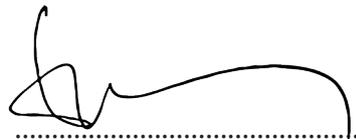
*Other Matters*

- (i) The audited financial statements for the financial year ended 31 December 2019 were audited by a firm of chartered accountants other than CHI-LLTC, whose report dated 24 June 2020, express an unmodified opinion on these statements.
- (ii) This report is made solely to the council, 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.



.....  
CHI-LLTC  
Chartered Accountants  
AF: 1114

Petaling Jaya  
Dated: 29 March 2021



.....  
Ng Leong Teck  
Chartered Accountant  
3168/12/21(J)

**STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2020**

	Note	2020 RM	2019 RM
<b>NON-CURRENT ASSET</b>			
Plant and equipment	3	-	-
Intangible assets	4	-	-
Receivables	5	793,849	772,054
		793,849	772,054
<b>CURRENT ASSETS</b>			
Deposits and bank balances	6	1,860,218	1,869,669
Tax recoverable		4,585	1,307
		1,864,803	1,870,976
<b>TOTAL ASSETS</b>		2,658,652	2,643,030
<b>FINANCED BY:</b>			
Accumulated fund		2,556,152	2,540,910
<b>CURRENT LIABILITY</b>			
Payables	7	102,500	102,120
<b>TOTAL LIABILITY</b>		102,500	102,120
<b>TOTAL EQUITY AND LIABILITY</b>		2,658,652	2,643,030

**STATEMENT OF INCOME AND EXPENDITURE  
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020**

	2020 RM	2019 RM
<b>INCOMES</b>		
Donation received	55,826	113,123
Bank interest	941	1,904
Fixed deposit interest income	42,016	48,682
	98,783	163,709
<b>LESS: EXPENDITURES</b>		
Auditors' remuneration	2,500	2,969
Bank charges	60	78
Professional fees and tax services	1,590	1,776
Sponsorship expenses	4,953	105,243
Sponsorship to IEM activities	23,123	-
Scholarship	53,500	42,000
Printing & stationery	749	421
Technical visit	-	31,901
Telephone & fax	68	42
Travelling & transport	276	-
	(86,819)	(184,430)
<b>Surplus / (deficit) before tax</b>	11,964	(20,721)
Income tax expense	3,278	(3,278)
<b>Surplus / (deficit) for the financial year</b>	15,242	(23,999)

**STATEMENT OF CHANGES IN ACCUMULATED FUND  
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020**

	Accumulated fund RM
<b>Balance as at 31 December 2018</b>	2,564,909
Deficit for the financial year	(23,999)
<b>Balance as at 31 December 2019</b>	2,540,910
Surplus for the financial year	15,242
<b>Balance as at 31 December 2020</b>	2,556,152

**STATEMENT OF CASH FLOWS  
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020**

	Note	2020 RM	2019 RM
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>			
Surplus / (deficit) before tax		11,964	(23,999)
Adjustments for:			
Amortised cost adjustment		-	275,040
Interest income		(42,957)	(50,583)
Operating (loss) / profit before working capital changes		(30,993)	200,458
Increase in receivables		(21,795)	-
Increase / (decrease) in payables		380	(16,470)
Cash (used in) / generated from operating activities		(52,408)	183,988
Bank interest received		941	1,904
Tax paid		-	1,882
Net cash (used in) / generated from operating activities		(51,467)	187,774
<b>CASH FLOWS FROM INVESTING ACTIVITY</b>			
Increase in fixed deposits		(10,756)	-
Net cash generated from investing activity		(10,756)	-
Net (decrease) / increase in cash and cash equivalents		(62,223)	187,774
Cash and cash equivalents at the beginning of the financial year		360,581	172,807
Cash and cash equivalents at end of the financial year	6	298,358	360,581

## NOTES TO THE FINANCIAL STATEMENTS FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2020

### 1. GENERAL INFORMATION

The Institution is a registered institution registered under the Society Act, 1966 and domiciled in Malaysia.

The principal office is situated at Bangunan Ingenieur, Lot 60 & 62, Jalan 52/4, Peti Surat 223, Jalan Sultan, 46720 Petaling Jaya, Selangor Darul Ehsan.

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 have been no significant changes in the nature of these principal activities of the Institution during the financial year.

The financial statements of the Institution are presented in the functional currency, which is the currency of the primary economic environment in which the entity operates. The functional currency of the Institution is Ringgit Malaysia as the sales and purchases are mainly denominated in Ringgit Malaysia and receipts from operations are usually retained in Ringgit Malaysia and funds from financing activities are generated in Ringgit Malaysia.

### 2. SIGNIFICANT ACCOUNTING POLICIES

The financial statements have been prepared on the historical cost basis unless otherwise stated.

The principal accounting policies adopted are set out below:

#### 2.1 PLANT AND EQUIPMENT

The cost of an item of plant and equipment is recognised as an asset when it is probable that future economic benefits associated with the item will flow to the Institution and the cost of the item can be measured reliably. After recognition as an asset, an item of plant and equipment are measured at cost less any accumulated depreciation and any accumulated impairment losses.

Depreciation is provided on a straight-line method so as to write off the depreciable amount of the following assets over their estimated useful lives, as follows:

Office equipment	10%
Furniture and fittings	10%
Computers	40%

Depreciation of an asset begins when it is ready for its intended use.

If there is an indication of a significant change in factors affecting the residual value, useful life or asset consumption pattern since the last annual reporting date, the residual values, depreciation method and useful lives of depreciable assets are reviewed, and adjusted prospectively.

The carrying amounts of items of plant and equipment are derecognised on disposal or when no future economic benefits are expected from their use or disposal. Any gain or loss arising from the derecognition of items of plant and equipment, determined as the difference between the net disposal proceeds, if any, and the carrying amounts of the item, is recognised in profit or loss. Neither the sale proceeds nor any gain on disposal is classified as revenue.

#### 2.2 INTANGIBLE ASSETS

Intangible assets are measured on initial recognition at cost. Following initial recognition, intangible assets are carried at cost less any accumulated amortisation and impairment losses, if any. The useful lives of intangible assets assessed to be finite are amortised on a straight line basis over the estimated economic useful lives. The amortisation period and the amortisation method for an intangible asset with a finite useful life are reviewed at least at each reporting date.

Intangible assets that have been capitalized are amortised on a straight line basis over the period of their expected benefit, but not exceeding 5 years commencing from the period when the intangible assets are available for use.

Gain or loss arising from derecognition of an intangible asset is measured as the difference between the net disposal proceeds and the carrying amount of the asset and is recognised in profit or loss when the asset is derecognised.

#### 2.3 IMPAIRMENT OF ASSETS, OTHER THAN INVENTORIES AND FINANCIAL ASSETS

At each reporting date, the Institution assesses whether there is any indication that an asset may be impaired. If any such indication exists, the recoverable amount of the asset is estimated.

When there is an indication that an asset may be impaired but it is not possible to estimate the recoverable amount of the individual asset, the Institution estimates the recoverable amount of the cash-generating unit to which the asset belongs.

The recoverable amount of an asset and a cash-generating unit is the higher of the fair value less costs to sell and 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.

If the recoverable amount of an asset or a cash-generating unit is less than the carrying amount, an impairment loss is recognised to reduce the carrying amount to its recoverable amount. An impairment loss for a cash-generating unit is firstly allocated to reduce the carrying amount of any goodwill allocated to the cash-generating unit, and then, to the other non-current assets of the unit pro rata on the basis of the carrying amount of each appropriate asset in the cash-generating unit.

Impairment loss is recognised immediately in profit or loss, unless the asset is carried at a revalued amount, in which case it is treated as a revaluation decrease.

The recoverable amount is the higher of an asset's or cash-generating unit's fair value less to sell, value in use and zero.

An impairment loss recognised in prior periods for an asset or the appropriate assets of a cash-generating unit is reversed when there has been a change in the estimates used to determine the asset's recoverable amount. An impairment loss is reversed to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation, if no impairment loss had been recognised in prior periods. A reversal of an impairment loss is recognised immediately in profit or loss, unless the asset is carried at revalued amount, in which case it is treated as a revaluation increase.

#### 2.4 FINANCIAL ASSETS

Financial assets are recognised in the statement of financial position when the Institution becomes a party to the contractual provisions of the instrument.

On initial recognition, financial assets are measured at transaction price, include transaction costs for financial assets not measured at fair value through profit or loss, unless the arrangement constitutes, in effect, a financing transaction for the counterparty to the arrangement.

#### 2.5 CASH AND CASH EQUIVALENTS

Cash and cash equivalents in the statement of cash flows comprise bank balances and short-term bank deposits that have a short maturity of three months or less from the date of acquisition.

#### 2.6 PROVISIONS

A provision is recognised when the Institution has an obligation at the reporting date as a result of a past event, it is probable that a transfer of economic benefits will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation.

The risks and uncertainties are taken into account in reaching the best estimate of a provision. When the effect of the time value of money is material, the amount recognised in respect of the provision is the present value of the expenditure expected to be required to settle the obligation.

#### 2.7 FINANCIAL LIABILITIES

Financial liabilities are recognised in the statement of financial position when the Institution becomes a party to the contractual provisions of the instrument. On initial recognition, financial liabilities are measured at transaction price, include transaction costs for financial liabilities not measured at fair value through profit or loss, unless the arrangement constitutes, in effect, a financing transaction for the Institution to the arrangement.

#### 2.8 INCOME RECOGNITION

##### *i) Interest income*

Interest income is recognised on accruals basis using the effective interest method.

##### *ii) Donation received*

Donation is recognised in the statement of income and expenditure on cash receipt basis.

## 2.9 EMPLOYEE BENEFITS

i) *Short-Term Employment Benefits*

Short-term employment benefits, such as wages, salaries and other benefits, are recognised at the undiscounted amount as a liability and an expense when the employees have rendered services to the Company.

The expected cost of accumulating compensated absences are recognised when the employees render services that increase their entitlement to future compensated absences. The expected cost of non-accumulating compensated absences, such as sick and medical leaves, are recognised when the absences occur.

The expected cost of accumulating compensated absences are measured at the undiscounted additional amount expected to be paid as a result of the unused entitlement that has accumulated at the end of the reporting period.

The expected cost of profit-sharing and bonus payments are recognised when the Company has a present legal or constructive obligation to make such payments as a result of past events and a reliable estimate of the obligation can be made. A present obligation exists when the Company has no realistic alternative but to make the payments.

## 3. PLANT AND EQUIPMENT

	As at 1.1.2020 RM	Additions RM	As at 31.12.2020 RM
<b>COST</b>			
Office equipment	32,645	-	32,645
Furniture and fittings	41,050	-	41,050
Computers	20,348	-	20,348
	94,043	-	94,043

	As at 1.1.2020 RM	Charges during the year RM	As at 31.12.2020 RM
<b>ACCUMULATED DEPRECIATION</b>			
Office equipment	32,645	-	32,645
Furniture and fittings	41,050	-	41,050
Computers	20,348	-	20,348
	94,043	-	94,043

	2020 RM	2019 RM
<b>CARRYING AMOUNTS</b>		
Office equipment	-	-
Furniture and fittings	-	-
Computers	-	-
	-	-

(i) Fully depreciated plant and equipment which are still in use are as follows:

	2020 RM	2019 RM
Office equipment	32,645	32,645
Furniture and fittings	41,050	41,050
Computers	20,348	20,348
	94,043	94,043

**4. INTANGIBLE ASSETS**

	2020 RM	2019 RM
<b>COST</b>		
At beginning / end of the financial year	63,482	63,482
<b>ACCUMULATED AMORTISATION</b>		
At beginning / end of the financial year	63,482	63,482
<b>CARRYING AMOUNTS</b>		
At end of the financial year	-	-

**5. RECEIVABLES**

	2020 RM	2019 RM
Other receivables	975,154	953,359
Less: Amortised cost adjustment	(181,305)	(181,305)
	793,849	772,054

The movement of amortised cost adjustment are as follows:

	2020 RM	2019 RM
At beginning / end of the financial year	181,305	181,305

**6. DEPOSITS AND BANK BALANCES**

	2020 RM	2019 RM
Cash at bank	298,358	360,581
Fixed deposits with licensed banks	1,561,860	1,509,088
	1,860,218	1,869,669

The fixed deposits with licensed bank at the end of the financial year earned interest at 1.65% to 1.85% (2019: 3.10% to 3.35%) per annum. The maturity of deposits as at the end of the financial year range from 6 to 12 months (2019: 12months).

For the purpose of statement of cash flows, cash and cash equivalents comprise:

	2020 RM	2019 RM
Cash at bank	298,358	360,581
Fixed deposits with licensed banks	1,561,860	1,509,088
	1,860,218	1,869,669
Less: Fixed deposits with maturity period of more than 3 months	(1,561,860)	(1,509,088)
	298,358	360,581

**7. PAYABLES**

	2020 RM	2019 RM
Other payable	100,000	100,000
Accruals	2,500	2,120
	102,500	102,120

**8. INCOME TAX EXPENSE**

	2020 RM	2019 RM
Current year tax provision	-	1,882
(Over) / under provision in prior years	(3,278)	1,396
	(3,278)	3,278

A reconciliation of income tax expense applicable to surplus before tax at the statutory income tax rate to income tax expense at the effective income tax rate of the Company is as follows:

	2020 RM	2019 RM
Surplus before tax	11,964	104,302
Non-taxable income	(55,826)	(113,123)
Deferred tax expense not recognised during the year	55,826	113,123
(Over) / under provision of current tax in prior year	(3,278)	1,396
Tax expense for the financial year	(3,278)	1,396

The Fund is an approved fund under Section 44(6) of the Income Tax Act 1967 (“the Act”). More than 50% of the total income received by the Fund in the preceding year has been spent during the current year. Hence, the total income for the financial year is exempted from tax under Paragraph 13(a) of Schedule 6 of the Act.

**9. FINANCIAL INSTRUMENTS**

	2020 RM	2019 RM
<b>FINANCIAL ASSETS</b>		
Non-trade receivables	793,849	772,054
Fixed deposits with licensed banks	1,561,860	1,509,088
Cash at bank	298,358	360,581
	2,654,067	2,641,723
<b>FINANCIAL LIABILITIES</b>		
Other payables	100,000	100,000
Accruals	2,500	2,120
	102,500	102,120

Net gain and losses arising from financial instruments

	2020 RM	2019 RM
<b>NET (LOSSES) / GAIN ARISING FROM: FINANCIAL ASSET AT AMORTISED COST</b>		
Interest income	(53,713)	(50,583)

**10. SIGNIFICANT EVENT DURING THE FINANCIAL YEAR**

The outbreak of Coronavirus Disease 2019 (“COVID-19”) in early 2020 has affected the business and economic environments of the Company. The governments and various private corporations have taken different measures to prevent the spread of the virus such as travel bans, quarantines, closures of non-essential services, social distancing and home quarantine requirements which impacted businesses, our customers and the Institution’s operations directly or indirectly. Given the widespread nature of the outbreak and the unpredictability of future development of COVID-19, it is challenging to determine the duration of the impact on the business and to measure the potential impact on the financial statements of the Institution. The Institution continues to closely monitor the situation.

**11. COMPARATIVE FIGURES**

The comparative figures for the financial year ended 31 December 2019 were audited by a firm of chartered accountants other than CHI-LLTC, and hence are not comparable to that of the current financial year. Certain comparative figures have been reclassified to conform with current year presentation.

**12. DATE OF AUTHORISATION OF ISSUE**

The financial statements had been authorised for issue on 29 March 2021.

