



IEM

The Institution of Engineers, Malaysia

THE INSTITUTION OF ENGINEERS, MALAYSIA
INSTITUSI JURUTERA MALAYSIA



2023 IEM
64th Annual Report
Laporan Tahunan Ke-64


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PAST PRESIDENT
Bekas Yang Dipertua

Sessions	Past Presidents
1959/62	Allahyarham Tan Sri Ir. (Dr.) Haji Yusoff bin Haji Ibrahim
1962/64	Allahyarham Raja Tan Sri Ir. Zainal bin Raja Sulaiman
1964/66	Late Ir. Thean Lip Thong
1966/68	Late Tan Sri Datuk Ir. Prof. Dr. Chin Fung Kee
1968/69	Late Ir. Ow Yang Hong Chiew
1969/70	Late Ir. Chan Peng Khuen
1970/72	Allahyarham Tan Sri Dato' (Dr.) Ir. Haji Abu Zarim bin Haji Omar
1972/74	Late Academician Tan Sri Ir. (Dr.) J. G. Daniel
1974/75	Allahyarham Tan Sri Datuk Ir. Haji Halaluddin bin Mohd. Ishak
1975/77	Late Ir. Chan Khee Pok
Apr–Dec 1977	Allahyarham Tan Sri Datuk Ir. Mahfoz bin Khalid
1977/79	Allahyarham Ir. Tuan Haji Mohd. Razali bin Bidin
1979/81	Late Ir. Wong Kin Hong
1981/82	Late Ir. Chiam Teong Tee
1982/84	Allahyarham Tan Sri Datuk Ir. Haji Mohd Hassan bin Abdul Wahab
1984/86	Late Y.Bhg. Dato' Ir. Pang Leong Hoon
1986/88	Allahyarham Ir. Tuan Haji Abdul Rahman bin Yaacob
1988/90	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong

Sessions	Past Presidents
1990/92	Allahyarham Dato' Ir. Mustafa bin Ahmad
1992/93	Ir. Chong Pick Eng (P.E. Chong)
1993/95	Y.Bhg. Dato' Ir. Abdul Rashid bin Ahmad
1995/97	Ir. Dr. Ting Wen Hui
1997/99	Allahyarham Ir. Haji Mohd. Mazlan bin Md. Ismail Merican
1999/01	Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Haji Ahmad Zaidee bin Laidin
2001/03	Y.Bhg. Dato' Ir. Dr. Gue See Sew
2003/05	Y.Bhg. Dato' Ir. Prof. Abang Abdullah bin Abang Ali
2005/07	Y.Bhg. Datuk Ir. Prof. Dr. Ow Chee Sheng
2007/09	Y.Bhg. Dato' Paduka Ir. Prof. (Dr.) Haji Keizrul bin Abdullah
2009/11	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik
2011/13	Ir. Vincent Chen Kim Kieong
2013/14	Ir. Choo Kok Beng
2014/16	Y.Bhg. Dato' Ir. Lim Chow Hock
2016/18	Ir. Dr. Tan Yean Chin
2018/20	Ir. David Lai Kong Phooi
2020/22	Ir. Ong Ching Loon

IEM DISTINGUISHED HONORARY FELLOW
Fellow Kehormat Tertinggi, IEM

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

Year	Name Of Recipient
2022	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik

IEM HONORARY FELLOW
Fellow Kehormat, IEM

Year	Name Of Recipient
1981	Allahyarham Tan Sri Ir. (Dr.) Haji Yusoff bin Haji Ibrahim
1981	Allahyarham Raja Tan Sri Ir. Zainal bin Raja Sulaiman
1981	Late Ir. Thean Lip Thong
1981	Late Tan Sri Datuk Ir. Prof. Dr. Chin Fung Kee
1982	Allahyarham Tan Sri Dato' (Dr.) Ir. Haji Abu Zarim bin Haji Omar
1982	Late Academician Tan Sri Ir. (Dr.) J. G. Daniel
1984	Y.A.Bhg. Tun Dr. Mahathir bin Mohamed <i>(transferred to Grade of Distinguished Hon Fellow in 2004)</i>
1986	Late Ir. Chiam Teong Tee
1986	Allahyarham Tan Sri Datuk Ir. Haji Mohd. Hassan bin Abdul Wahab
1988	Allahyarham Tun Hussein Onn

Year	Name Of Recipient
1989	Al-Marhum Paduka Seri Sultan Azlan Muhibuddin Shah Ibni al-Marhum Sultan Yussuf Izzuddin Shah Ghafarullahu-Lah
1991	Late Y.Bhg. Dato' Ir. Pang Leong Hoon
1991	Prof. Dr. Ing. B. J. Habibie
1993	Allahyarham Dato' Ir. Mustafa bin Ahmad <i>(posthumous)</i>
1993	Y.Bhg. Tan Sri Dato' Ir. (Dr.) Shamsuddin bin Abdul Kadir
1993	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong <i>(transferred to Grade of Distinguished Hon Fellow in 2010)</i>
1994	Al-Marhum Tuanku Ja'afar Ibni al-Marhum Tuanku Abdul Rahman
1995	Y.Bhg. Datuk Amar (Dr.) Leo Moggie
1998	Y.A.Bhg. Tun Daim Zainuddin

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. Mahfuz bin Khalid <i>(posthumous)</i>
2012	Allahyarham Ir. Haji Mohd. Razali bin Bidin <i>(posthumous)</i>
2012	Late Ir. Wong Kin Hong <i>(posthumous)</i>
2012	Allahyarham Ir. Haji Abdul Rahman bin Yaacob
2012	Ir. Chong Pick Eng (P.E. Chong)
2012	Y.Bhg. Dato' Ir. Abdul Rashid bin Ahmad
2012	Ir. Dr. Ting Wen Hui
2012	Allahyarham Ir. Haji Mohd Mazlan bin Md. Ismail Merican

Year	Name Of Recipient
2012	Y.Bhg. Academician Tan Sri Datuk Ir. (Dr.) Haji Ahmad Zaidi 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. Em. Dr. Chuah Hean Teik <i>(transferred to Grade of Distinguished Hon Fellow in 2022)</i>
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
2021	Y.Bhg. Datuk Ir. Mohd Zulkefly bin Sulaiman

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 2022/2023
Ahli Majlis IEM Sesi 2022/2023

Position	Name	
President	Ir. Prof. Dr. Norlida binti Buniyamin	
Deputy President	Ir. Prof. Dr. Jeffrey Chiang Choong Luin	
Vice Presidents	Ir. Yau Chau Fong	Ir. Mohd Khir bin Muhammad
	Ir. Mohd Aman bin Hj. Idris	Ir. Prof. Dr. Tan Chee Fai
	Y.Bhg. Dato' Ir. Ahmad Murad bin Omar	Ir. Abdul Razak bin Yakob
	Ir. Chen Harn Shean	
Honorary Secretary	Ir. Prof. Dr. Zuhaina binti Zakaria	
Honorary Treasurer	Ir. Dr. Lee Yun Fook	
Immediate Past President	Ir. Ong Ching Loon	
Past Presidents	Y.Bhg. Dato' Ir. Dr. Gue See Sew	
	Y.Bhg. Dato' Paduka Ir. Keizrul bin Abdullah	
	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik	
	Y.Bhg. Dato' Ir. Lim Chow Hock	
	Ir. Dr. Tan Yean Chin	
	Ir. David Lai Kong Phooi	
Council Member - Civil Rep	Ir. Yap Soon Hoe	
Council Member - Mechanical Rep	Ir. Dr. Aidil bin Chee Tahir	
Council Member - Electrical Rep	Ir. Francis Xavier Jacob	
Council Member - Structural Rep	Ir. Gunasagaran a/l Kristnan	
Council Member - Chemical Rep	Ir. Dr. Chong Chien Hwa	
Council Member - Other Disciplines Rep	Ir. Assoc. Prof. Dr. Wong Yew Hoong	
Council Member - Multimedia Rep	Ir. Jeewa Vengadasalam	
Council Members - Ordinary Rep	Ir. Dr. Chan Swee Huat	Ir. Wong Chee Fui
	Ir. Ellias bin Saidin	Ir. Dr. Hum Yan Chai
	Ir. Mohd Radzi bin Salleh	Ir. Tiong Ngo Pu
	Y.Bhg. Dato' Ir. Hj. Anuar bin Yahya	Ir. Rusnida binti Talib
	Ir. Dr. Teo Fang Yenn	Ir. Prof. Dr. Lau Hieng Ho
	Ir. Sundraraj A. Krishnasamy	Ir. Muhammad Azmi bin Ayub
	Ir. Dr. Siti Hawa binti Hamzah	Ir. Fam Yew Hin
	Ir. Assoc. Prof. Dr. Lee Tin Sin	Ir. Razmahwata bin Mohd Razalli
	Ir. Mah Way Sheng	Ir. Simon Yeong Chin Chow
	Ir. Sreedaran Raman	Ir. Dr. Chan Seong Phun
	Ir. Lee Cheng Pay	Ir. Yam Teong Sian
	Ir. Dr. Kannan a/l M. Munisamy	Ir. Kwok Yew Hoe
	Ir. Dr. Siow Chun Lim	Ir. Dr. Lee Choo Yong
Council Member by Invitation	Ir. Lai Sze Ching	
	Y.Bhg. Dato' Prof. Ir. Dr. Mohd Hamdi bin Abd Shukor	
	Y.Bhg. Dato' Ir. Nor Hisham bin Mohd Ghazali	
Women Engineers Representative	Ir. Noorfaizah binti Hamzah	
Young Engineers Representatives	Mr. Muhammad Ashiq Marecan bin Hamid Marecan	
	Mr. Lim Yiren	
	Mr. Darshan bin Balasubramaniam	
	Mr. Ooi Wei Chien	
	Ms. Ong Ye Shian	
Branch Representatives	Ir. Bernard Lim Kee Weng	(Penang Branch)
	Ir. Thayala Rajah a/l Selvaduray	(Southern Branch)
	Y.Bhg. Dato' Sri Ir. Liew Mun Hon	(Perak Branch)
	Ir. Ab. Rahman bin Hashim	(Pahang Branch)
	Y.Bhg. Dato' Ir. Wan Nazari bin Wan Jusoh	(Terengganu Branch)
	Ir. Shahrin Amri bin Jahari	(Negeri Sembilan Branch)
	Ir. Ong Yee Pinn	(Melaka Branch)
	Y.Bhg. Dato' Ir. Janang Anak Bongsu	(Sarawak Branch)
	Ir. Willy Chin Tet Fu	(Sabah Branch)
	Ir. Chong Boon Hui	(Miri Branch)
	Ir. Roshasmawi bin Abdul Wahab	(Kedah-Perlis Branch)
	Ir. Nik Ab. Hadi bin Hassan	(Kelantan Branch)

**THE INSTITUTION OF ENGINEERS, MALAYSIA**Lots 60 & 62, Jalan 52/4, P. O. Box 223, Jalan Sultan, 46720 Petaling Jaya
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14 March 2023

Ref No: IEM23/HQ/102/AGM, CPD: 4

To all members of
The Institution of Engineers, Malaysia**NOTICE OF 64th ANNUAL GENERAL MEETING (HYBRID)
SATURDAY, 15 APRIL 2023 at 9.00 am**In accordance with Section 7.5 of the Bylaws, notice is hereby given that the 64th Annual General Meeting of The Institution of Engineers, Malaysia shall be held on **Saturday, 15 April 2023 at 9.00 am at Wisma IEM / Zoom.****The AGENDA for the HYBRID Annual General Meeting is as follows:-**

1. Welcome Address by the President for Session 2022/2023.
2. Confirmation of Minutes of the 63rd Annual General Meeting held on 16 April 2022.
3. Matters Arising.
4. Annual Report / Financial Statements for Session 2022/2023.
5. Proposed Amendments to the IEM Constitution.
6. Discussion on written issues from members of which written notice is submitted to reach IEM Secretariat by 8 April 2023. *(Please note that no matters under this item shall be discussed, unless prior written notice is received by 8 April 2023. This is in accordance to the IEM Constitution & Bylaws).*
7. Presentation of Results of Election for Council Session 2023/2024.
8. Presidential Address 2023/2024.

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

a) Annual ReportA 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 on the AGM Day at **WISMA IEM** 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-RegistrationAs the AGM will be conducted via hybrid platform, members who wish to attend via online are required to **pre-register**. A link to join the meeting online 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/QueriesMembers are requested to submit question(s)/queries **at least seven (7) days** before the AGM. Response, if deemed necessary, will be provided during the AGM.

Thank you for your kind attention.

Yours sincerely,

**Ir. Prof. Dr. Zuhaina binti Zakaria**
Hon. Secretary

PROPOSED AMENDMENTS TO THE IEM CONSTITUTION
CADANGAN PINDAAN PERLEMBAGAAN IEM

EXISTING		PROPOSED AMENDMENT	
ARTICLE II Membership		ARTICLE II Membership	
2.5		2.5	
Distinguished Honorary Fellows, Honorary Fellows, Fellows, Distinguished Members, Honorary Members, Senior Members, Members, Companions, Graduate Members and Incorporated Members shall be entitled to the exclusive use after their names of the following abbreviated forms showing their grades of Membership:		Distinguished Honorary Fellows, Honorary Fellows, Fellows, Distinguished Members, Honorary Members, Senior Members, Members, Companions, Graduate Members, Incorporated Members, Engineering Technologist Members, Engineering Technician Members, Engineering Technologist Graduate Members, Engineering Technician Graduate Members, Affiliate Members and Associate Members shall be entitled to the exclusive use after their names of the following abbreviated forms showing their grades of Membership:	
Distinguished Honorary Fellow	D. Hon. F.I.E.M.	Distinguished Honorary Fellow	D. Hon. F.I.E.M.
Honorary Fellow	Hon. F.I.E.M.	Honorary Fellow	Hon. F.I.E.M.
Fellow	F.I.E.M.	Fellow	F.I.E.M.
Distinguished Members	D.M.I.E.M.	Distinguished Members	D.M.I.E.M.
Honorary Member	Hon. M.I.E.M.	Honorary Member	Hon. M.I.E.M.
Senior Member	S.M.I.E.M.	Senior Member	S.M.I.E.M.
Member	M.I.E.M.	Member	M.I.E.M.
Senior Graduate Member	S. Grad. I.E.M.	Senior Graduate Member	S. Grad. I.E.M.
Graduate Member	Grad. I.E.M.	Graduate Member	Grad. I.E.M.
Engineering Technologist Member	E.T.I.E.M.	Engineering Technologist Member	E.T.I.E.M.
Engineering Technologist Graduate Member	Grad. 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 Member	E.Tn.I.E.M.
Engineering Technician Graduate Member	Grad. E.Tn.I.E.M.	Engineering Technician Graduate Member	Grad. E.Tn.I.E.M.
Incorporated Member	Inc. I.E.M.	Incorporated Member	Inc. I.E.M.
		To add: Affiliate Member Aff. I.E.M. Associate Member Assoc. I.E.M.	
ARTICLE IV Sources of Income		ARTICLE IV Sources of Income	
4.2.1		4.2.1	
Engineering Technician Member	RM155.00	Engineering Technician Member	RM155.00
Engineering Technician Graduate Member, who in the year has attained the age of 30 has not attained the age of 30	RM155.00 RM100.00	Engineering Technician Graduate Member, who in the year has attained the age of 30 has not attained the age of 30	RM80.00 RM50.00
Associate Member, who in the year has attained the age of 30 has not attained the age of 30	RM155.00 RM100.00	Associate Member, who in the year has attained the age of 30 has not attained the age of 30	RM80.00 RM50.00
ARTICLE IX Amendments & Dissolution		ARTICLE IX Amendments & Dissolution	
9.2		9.2	
The proposed amendment as drafted by the Honorary Secretary shall be tabled for discussion at the General Meeting and it may be amended in any manner pertinent to the petitions by a majority vote at the said Meeting, and if amended, shall be voted upon by postal ballot in a form as amended by the said meeting. If not amended, the proposed amendment as submitted shall be voted upon by postal ballot.		The proposed amendment as drafted by the Honorary Secretary shall be tabled for discussion at the General Meeting and it may be amended in any manner pertinent to the petitions by a majority vote at the said Meeting, and if amended, shall be voted upon by postal ballot or electronic votes as provided for under The Institution's Bylaws in a form as amended by the said meeting. If not amended, the proposed amendment as submitted shall be voted upon by postal or electronic ballot.	

JAWATANKUASA KERJA
(EXECUTIVE COMMITTEE OF COUNCIL)

Yang Dipertua

Ir. Prof. Dr. Norlida binti Buniyamin

Setiausaha Kehormat

Ir. Prof. Dr. Zuhaina binti Zakaria

Timbalan Yang Dipertua

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Bendahari Kehormat

Ir. Dr. Lee Yun Fook

Naib Yang Dipertua

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

Ir. Mohd Aman bin Hj. Idris

Ir. Mohd Khir bin Muhammad

Ir. Yau Chau Fong

Ir. Chen Harn Shean

Ir. Prof. Dr. Tan Chee Fai

Ir. Abdul Razak bin Yakob

Ahli-Ahli

Ir. Bernard Lim Kee Weng

Ir. Fam Yew Hin

Ir. Gunasagaran a/l Kristnan

Ir. Lai Sze Ching

Ir. Prof. Dr. Lau Hieng Ho

Ir. Wong Chee Fui

Ir. Yam Teong Sian

Ir. Simon Yeong Chin Chow

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

Pengerusi

Ir. Prof. Dr. Norlida binti Buniyamin

Bendahari Kehormat

Ir. Dr. Lee Yun Fook

Timbalan Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ahli-Ahli

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

Ir. Mohd Aman bin Hj. Idris

Ir. Mohd Khir bin Muhammad

Ir. Yau Chau Fong

Ir. Chen Harn Shean

Ir. Prof. Dr. Tan Chee Fai

Ir. Abdul Razak bin Yakob

Setiausaha Kehormat

Ir. Prof. Dr. Zuhaina binti Zakaria

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

Tidak dilantik (No appointment)

Ex-Officio

Timbalan Yang Dipertua, IEM

Pengerusi, Jawantakuasa Tetap Kebajikan dan Hal Ehwal Perkhidmatan

Setiausaha Kehormat, IEM

Bendahari Kehormat, IEM

JURUAUDIT LUAR DAN JURUAUDIT DALAM KEHORMAT
(EXTERNAL AUDITORS AND HONORARY INTERNAL AUDITORS)

Juruaudit Luar

TNL Partners PLT

(Formerly known as CH International Chartered Accountants)

Juruaudit Dalam Kehormat

Ir. Assoc. Prof. Dr. David Chuah Joon Huang

Ir. Steven Toh Chin Kok


JAWATANKUASA TETAP
 (STANDING COMMITTEE)
 
KEWANGAN
 (Finance)
Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Naib Pengerusi

Ir. Prof. Dr. Zuhaina binti Zakaria

Setiausaha

Ir. Dr. Lee Yun Fook

Ahli-Ahli

Ir. Dr. Chong Chien Hwa

Ir. Yam Teong Sian

Ir. Dr. Teo Fang Yenn

Ir. Tiong Ngo Pu

Ir. Assoc. Prof. Dr. Wong Yew Hoong

Y.Bhg. Dato' Ir. Prof. Dr. Mohd Hamdi bin Abd Shukor

Ahli-Ahli

Ir. Gunasagaran a/l Kristnan

Ir. Wong Chee Fui

Ir. Lau Eng Kee

Y.Bhg. Dato' Ir. Ting Chek Choon

Ir. Dr. Tan Yean Chin

Ir. Yap Soon Hoe

Ir. Assoc. Prof. Dr. David Chuah Joon Huang

Ir. Dr. Siow Chun Lim

Ir. Dr. Chan Swee Huat

Ir. Dr. Tan Kuang Leong

Ir. Tu Yong Eng

Ir. Dr. Hum Yan Chai

Ir. Prof. Dr. Lau Hieng Ho

Ir. Bernard Lim Kee Weng

Mr. Muhammad Ashiq Marecan, Grad. I.E.M.


JAWATANKUASA KECIL
 (SUB COMMITTEES)
 
HAL EHWAL KAKITANGAN
 (Human Resources)
Pengerusi

Ir. Prof. Dr. Zuhaina binti Zakaria

Ahli-Ahli

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ir. Mohd Khir bin Muhammad

Ir. Sreedaran Raman

Ir. Rusnida binti Talib

INFRASTRUKTUR TEKNOLOGI MAKLUMAT
 (IT Infrastructure)
Pengerusi

Ir. Gunasagaran a/l Kristnan

Ahli-Ahli

Ir. Chai Chen Sing

KEPELBAGAIAN PENDAPATAN
 (Diversification of Income)

INFRASTRUKTUR
 (Infrastructure)
Pengerusi

Ir. Dr. Lee Yun Fook

Ahli-Ahli

Ir. Yap Lee Chor

Ir. Gunasagaran a/l Kristnan

Ir. Abdul Razak bin Yakob

Ir. Lum Youk Lee

Ir. Benny Lau Eng Kee

Ir. Chan Chi Yen

Ir. Dr. Cheong Thiam Fook

Ir. Khaw Wei Chuen

Ir. Ricky Liew Chee Leong

Ir. Fam Yew Hin

Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Naib Pengerusi

Ir. Prof. Dr. Zuhaina Zakaria

Setiausaha

Ir. Dr. Lee Yun Fook

Ahli-Ahli

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Assoc. Prof. Dr. Farah Nora Aznieta binti Abdul Aziz, Grad. I.E.M.

Ir. Dr. Kannan M. Munisamy

PUSAT SUMBER

(IEM Resource Centre)

Pengerusi

Ir. Dr. Kannan M. Munisamy

Naib Pengerusi

Ir. Allen Cheong Loong Kwong

APLIKASI MUDAH ALIH IEMGO
(IEMGo Mobile Application)
Pengerusi

Ir. Dr. Bhuvendhraa Rudrusamy

Ahli-Ahli

Ir. Abdul Razak bin Yakob

Ir. Wong Chee Fui

Ir. Ong Guan Hock

Mr. Alex Looi Tink Huey, Grad. I.E.M.

Penasihat

Ir. CMM Aboobucker

Ahli-Ahli

Ir. Gary Lim Eng Hwa

Ir. Dr. Siti Hawa binti Hamzah

Dr. Lau Chee Yong

Dr. Mohamad Shakri bin Mohamad Shariff, Grad. I.E.M.

Dr. Abdul Rahman Abdul Rahim, Grad. I.E.M.

Ts. Ramesh Sabapathy, Grad. I.E.M.

Ir. Azlan Md. Sharipin

Mr. Nor Azilan bin Jaafar, Grad. I.E.M.

Ms. Lim Wey May, Grad. I.E.M.

Dr. Ng Soon Min, Grad. I.E.M.

Mr. Chia Yu Huat, Grad. I.E.M.


JAWATANKUASA TETAP
(STANDING COMMITTEE)

KEBAJIKAN DAN PERKHIDMATAN AHLI
(Welfare and Member Services)
Pengerusi

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

Naib Pengerusi

Ir. Gunasagaran a/l Kristnan

Setiausaha

Ir. Ts. Sukhairul Nizam bin Abdul Razak

Ahli-Ahli

Ir. Jaya Chandar a/l Poloha Nadan

Ir. Dr. Aidil bin Chee Tahir

Ahli-Ahli

Y.Bhg. Dato' Ir. Haji Noor Azmi bin Jaafar

Ir. Dr. Bhuvendhraa Rudrusamy

Ir. Dr. Hum Yan Chai

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

Ir. Rusnida binti Talib

Ms. Anis Akilah binti Ameer Ali, Grad. I.E.M.

Mr. Kuugan a/l Thangarajoo, Grad. I.E.M.

Mr. Muhd Ashiq Marecan bin Hamid Marecan (*Wakil YES*)Mr. Lim Yiren (*Wakil YES*)Ms. Ong Ye Shian (*Wakil YES*)
JAWATANKUASA KECIL
(SUB COMMITTEES)

PENGURUSAN DANA KEBAJIKAN
(Benevolent Fund Management)
Pengerusi

Ir. Dr. Bhuvendhraa Rudrusamy

KEHIDUPAN SIHAT
(Healthy Living)
Pengerusi

Ir. Jaya Chandar a/l Poloha Nadan

**KEPIMPINAN KORPORAT DAN PEMBANGUNAN
PERNIAGAAN**
(IEM Corporate Leadership and Business Development)
Pengerusi

Ir. Dr. Aidil bin Chee Tahir

SKIM "JURUTERA WARGAMAS"
(“Jurutera Wargamas” Scheme)
Pengerusi

Y.Bhg. Dato' Ir. Noor Azmi bin Jaafar

TUGAS KHAS – PENIAGA BARU
(Special Task – New Merchant)
Pengerusi

Ir. Rusnida binti Talib

SKIM INSURAN IEM
(IEM Insurance Scheme)
Pengerusi

Ir. Ts. Sukhairul Nizam bin Abdul Razak


JAWATANKUASA TETAP
 (STANDING COMMITTEE)

HAL EHWAL KORPORAT
 (Corporate Affairs)
Pengerusi

Ir. Mohd Khir bin Muhammad

Naib Pengerusi

Ir. Simon Yeong Chin Chow

Setiausaha

Ir. Razmahwata Mohamad Razalli

Ahli-Ahli

Ir. Yau Chau Fong

Ir. Chen Harn Shean

Y.Bhg. Dato' Kapt. (R) Ir. Haji Anuar bin Yahya

Ir. Tiong Ngo Pu

Ir. Dr. Aidil bin Chee Tahir

Ir. Mah Way Sheng

Ahli-Ahli

Ir. Mohd Radzi bin Salleh

Ir. Kwok Yew Hoe

Ir. Dr. Tan Chee Fai

Ir. Dr. Teo Fang Yenn

Ir. Gunasagaran a/l Kristnan

Ir. Rusnida binti Talib

Mr. Muhammad Ashiq Marecan bin Hamid Marecan, Grad. I.E.M.

Mr. Kuungan Thangarajoo, Grad. I.E.M.

Ir. Gopal Narian Kutty

Ir. Ellias bin Saidin

Ir. Haji Mohamed Ali bin Yusoff

Mr. Nor Azilan bin Jaafar, Grad. I.E.M.

Pemerhati

Ir. Prof. Dr. Jeffrey Chiang Choong Luin


JAWATANKUASA KECIL
 (SUB COMMITTEES)

PERHUBUNGAN AWAM
 (Public Relations)
Pengerusi

Ir. Mohd Khir bin Muhammad

KENYATAAN MEDIA
 (Press Statement)
Pengerusi

Ir. Prof. Dr. Zuhaina binti Zakaria

MEMORANDA PERSEFAHAMAN
 (Memorandum of Understanding)
Pengerusi

Ir. Simon Yeong Chin Chow

KEHADIRAN MEDIA SOCIAL
 (Social Media Presence)
Pengerusi

Ir. Razmahwata bin Mohamad Razali

Ahli-Ahli

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ir. Yau Chau Fong

Ir. Mohd Radzi bin Salleh

Ir. Tiong Ngo Pu

Ir. Gopal Narian Kutty

Ir. Gunasagaran a/l Kristnan

Ir. Hj. Mohamed Ali bin Yusoff

Ahli-Ahli

Ir. Abdul Razak bin Yakob

Ir. Wong Chee Fui

Mr. Nor Azilan bin Jaafar, Grad. I.E.M.

Mr. Alex Looi Tink Huey, Grad. I.E.M.

MOBILITI KEJURUTERAAN
 (Engineering Mobility)
Pengerusi

Ir. Rusnida binti Talib

Pengerusi

Ir. Mohd Khir bin Muhammad

Ahli-Ahli

Ir. Yau Chau Fong

Ir. Kwok Yew Hoe

Ahli-Ahli

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

WAKIL PEMERHATI IEM UNTUK JAWATANKUASA
PENGAWALAN NASIONAL APEC
 (IEM Reviewers for APEC National Monitoring Committee)
Wakil Industri

Ir. Lee Boon Chong

Ir. Chen Harn Shean

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. Prof. Dr. Zuhaina binti Zakaria
 Ir. Prof. Dr. Norlida binti Bunyamin
 Ir. Prof. Dr. Jeffrey Chiang Choong Luin

PENGURUSAN URUSETIA AFEO

(AFEO Secretariat Management)

Pengerusi

Ir. Mohd Khir bin Muhammad

Ahli-Ahli

Ir. Yau Chau Fong
 Ir. Prof. Dr. Zuhaina binti Zakaria

WAKIL LUAR NEGERI / Overseas Representation
WAKIL IEM KE AFEO

(IEM representation on AFEO)

Wakil IEM

Ir. Prof. Dr. Norlida binti Bunyamin (*Yang Dipertua*)
 Ir. Prof. Dr. Zuhaina binti Zakaria (*Setiausaha Kehormat*)
 Ir. Prof. Dr. Jeffrey Chiang Choong Luin (*Wakil Pengganti Yang Dipertua*)

Wakil IEM Pemegang Jawatan AFEO

Ir. Mohd Khir bin Muhammad (*Setiausaha Agung AFEO*)
 Ir. Prof. Dr. Zuhaina binti Zakaria (*Bendahari Kehormat AFEO*)
 Ir. Yau Chau Fong (*Pengerusi AER*)
 Ir. Chen Harn Shean (*Pendaftar Negara Malaysia - AER*)
 Ir. Ong Ching Loon (*Penasihat Kehormat AFEO*)

Wakil IEM di jawatan YEAFEO

Mr. Muhammad Ashiq Marecan bin Hamid Marecan, Grad. I.E.M. (*Setiausaha Agung YEAFEO*)
 Ms. Ong Ye Shian, Grad. I.E.M.

Wakil IEM di jawatan WE-AFEO

Ir. Noorfaizah Hamzah (*Setiausaha Agung We-AFEO*)
 Ir. Nur Azhani binti Mohamad Rosli

JAWATANKUASA PENDAFTARAN JURUTERA ASEAN

(ASEAN Engineering Register Executive Committee)

Pengerusi

Ir. Yau Chau Fong

Ex-Officio

Ir. Mohd Khir bin Muhammad

Bendahari/Setiausaha

Ir. Tuan Hj. Mohamed Ali bin Yusoff

WAKIL PENGHUBUNG IEM UNTUK PENGAWALAN NASIONAL APEC

(IEM Contact Point for APEC National Monitoring Committee)

Wakil IEM

Y.Bhg. Dato' Ir. Lim Chow Hock
 Ir. Prof. Dr. Zuhaina binti Zakaria

WAKIL LUAR NEGERI / Overseas Representation
WAKIL IEM KE WFEO/CEC

(IEM Overseas Representative – WFEO/CEC)

Yang DiPertua sebagai Wakil IEM

Ir. Prof. Dr. Norlida binti Bunyamin

Setiausaha Kehormat Wakil IEM

Ir. Prof. Dr. Zuhaina binti Zakaria

WAKIL IEM - APCCHE

(IEM Overseas Representative - APCChE)

Ir. Prof. Dr. Dominic Foo Chwan Yee

WAKIL IEM - ITA

(IEM Overseas Representative - ITA)

Yang DiPertua

Ir. Prof. Dr. Norlida binti Bunyamin

WAKIL IEM – INWES & APNN

(IEM Overseas Representative – INWES & APNN)

Pengerusi Bahagian Jurutera Wanita IEM

WAKIL IEM – FEIIC

(IEM Overseas Representative – FEIIC)

Yang DiPertua IEM

Ir. Prof. Dr. Norlida binti Bunyamin

WAKIL IEM – FEIAP

(IEM Overseas Representation – FEIAP)

Yang DiPertua IEM

Ir. Prof. Dr. Norlida binti Bunyamin

Setiausaha Kehormat IEM

Ir. Prof. Dr. Zuhaina binti Zakaria

Pengerusi Jawatankuasa Pendidikan Kejuruteraan FEIAP

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

Setiausaha Agong FEIAP

Ir. Dr. Tan Yean Chin

Ahli-Ahli

Ir. Chen Harn Shean (*Wakil Pendaftar Malaysia*)
 Ir. Dr. Lee Yun Fook
 Ir. Dr. Siow Chun Lim
 Ir. Razmahwata bin Mohamad Razalli
 Ir. Dr. Leong Wai Yie
 Ir. Bernard Lim Kee Weng
 Ir. Assoc. Prof. Dr. David Chuah Joon Huang
 Ir. Simon Yeong Chin Chow
 Ir. Dr. Teo Fang Yenn
 Ir. Wong Chee Fui
 Ir. Yeoh Su Hong
 Ir. Dr. Leong Kah Hon
 Ir. Noorfaizah Hamzah
 Mr. Alex Looi Tink Huey, Grad. I.E.M.
 Ir. Fam Yew Hin
 Ir. Rusnida binti Talib
 Dr. Tony Ong Chong Yong, Grad. I.E.M.
 Ir. Prof. Dr. Tan Chee Fai
 Ir. Kuugan Thangarajoo
 Mr. Muhammad Ashiq Marecan bin Hamid Marecan, Grad. I.E.M.
 Ir. Abdul Razak bin Yakob
 Ir. Dr. Hj. Abdul Razak bin Ali
 Ir. Prof. Dr. Lau Hieng Ho

Wakil IEM ke AEI-EI

Ir. Yau Chau Fong
 Ir. Dr. Siow Chun Lim
 Ir. Ng Win Siau (*Wakil AEI-EI Malaysia*)

Wakil IEM ke AEI-Manufacturing

Ir. Prof. Dr. Tan Chee Fai

Wakil IEM ke J/K Tenaga AFEO

Ir. Francis Xavier Jaccob
 Mr. Alex Looi Tink Huey, Grad. I.E.M.
 Ir. Kwok Yew Hoe

JAWATANKUASA PEMANTAUAN NASIONAL AER
 (AER National Monitoring Committee)
Pengerusi

Ir. Chen Harn Shean

Ahli-Ahli

Ir. Prof. Dr. Lau Hieng Ho
 Ir. Yau Chau Fong
 Ir. Yim Hon Wa
 Ir. Prof. Dr. Tan Chee Fai
 Ir. Bernard Lim Kee Weng
 Ir. Dr. Leong Kah Hon
 Ir. Dr. Mohamad Shaiful Ashrul bin Ishak
 Ir. Hj. Shaipuddin bin Shapii
 Y.Bhg. Dato' Ir. Janang Anak Bungsu
 Ir. Chong Chee Yen
 Ir. Noorfaizah binti Hamzah
 Ir. Loh Ban Ho
 Ir. Dr. Hj. Abdul Razak bin Ali

JAWATANKUASA PENDAFTARAN BAGI
APEC/JURUTERA PROFESIONAL ANTARABANGSA
 (APEC/IEA Agreements Registration and Administration
 Committee)
Pengerusi

Y.Bhg. Dato' Ir. Lim Chow Hock

Ahli-Ahli

Y.Bhg. Datuk Ir. Mohd Adnan bin Mohd Nor (*Wakil BEM*)
 Ir. Anuar bin Mohd. Aris (*Wakil BEM*)
 Ir. Sundraraj A. Krishnasamy (*Wakil ACEM*)
 Ir. Prof. Dr. Norlida binti Buniyamin
 Ir. Ong Ching Loon
 Ir. Mohd Khir bin Muhammad
 Ir. Chen Harn Shean
 Ir. Fam Yew Hin
 Ir. Prof. Megat Johari bin Mohd Noor
 Ir. Dr. Siti Hawa binti Hamzah
 Ir. Prof. Dr. Tan Chee Fai
 Ir. Hj. Mohd Aman bin Idris
 Ir. Dr. Bhuvendhraa Rudrusamy
 Ir. Dr. Lee Yun Fook
 Ir. Arul Hisham bin Abdul Rahim
 Ir. Yau Chau Fong
 Ir. Ng Yong Kong
 Ir. Siti Hawa Hamzah
 Ir. Mohd Azha Abu Samah
 Ir. Lee Boon Chong
 Ir. Dr. Teo Fang Yenn
 Mr. Alex Looi Tink Huey, Grad. I.E.M.

KUMPULAN KERJA APEC-IEA
 (APEC-IEA Working Groups)
IPEA/APECEA Membership Drive**Pengerusi**

Ir. Dr. Teo Fang Yenn

Ahli-Ahli

Ir. Wong Chee Fui
 Ir. Tan Woon Yan
 Mr. Alex Looi Tink Huey, Grad. I.E.M.

IPEA/APECEA Activities and Projects**Pengerusi**

Ir. Prof. Dr. Tan Chee Fai

Ahli-Ahli

Ir. Mohd Azha bin Abu Sam
 Ir. Dr. Bhuvendhraa Rudrusamy

WAKIL IEM KE LEMBAGA JURUTERA MALAYSIA
 (IEM Representatives on the Board of Engineers Malaysia)
Wakil

Y.Bhg. Dato' Ir. Ahmad Murad bin Omar
 Ir. Mohd Khir bin Muhammad
 Ir. Fam Yew Hin
 Y.Bhg. Dato' Ir. Ad. Ahmad Anuar bin Othman
 Ir. Prof. Dr. Zuhaina binti Zakaria


JAWATANKUASA KHAS
(SPECIAL COMMITTEES)

JAWATANKUASA ANUGERAH IEM
(IEM Awards Committee)
Pengerusi

Ir. Prof. Dr. Norlida binti Bunyamin

Ahli-Ahli

Ir. Prof. Dr. Jeffrey Chiang Choong Luin
Y.Bhg. Dato' Ir. Ahmad Murad bin Omar
Ir. Hj. Mohd Aman bin Hj. Idris
Ir. Yau Chau Fong
Ir. Chen Harn Sean
Ir. Mohd Khir bin Muhammad
Ir. Prof. Dr. Tan Chee Fai
Ir. Abdul Razak bin Yakob
Ir. Prof. Dr. Zuhaina binti Zakaria
Ir. Dr. Lee Yun Fook

JAWATANKUASA KECIL PENILAIAN ANUGERAH IEM
(Sub Committee on Judging and Evaluation for IEM Awards)
Pengerusi

Ir. Ong Ching Loon

Ahli-Ahli

Ir. Yap Soon Hoe
Ir. Francis Xavier Jacob
Ir. Dr. Chong Chien Hwa
Ir. Kwong Kok Tze
Ir. Dr. Aidil bin Chee Tahir
Ir. Kwok Yew Hoe
Ir. Lee Teck Lii
Ir. Noorfaizah binti Hamzah
Mr. Muhammad Ashiq Marecan bin Hamid Marecan, Grad. I.E.M.

JAWATANKUASA KHAS PELAN STRATEGIK IEM
(Special Committee on IEM Strategic Plan)
Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ahli-Ahli

Y.Bhg. Dato' Paduka Ir. Hj. (Dr.) Keizrul Abdullah
Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik
Ir. Mohd Khir bin Muhammad
Ir. Lai Sze Ching
Ir. Lee Weng Onn
Ir. Gopal Narian Kutty
Ir. Gunasagaran a/l Kristnan
Ir. Noorfaizah binti Hamzah
Ir. Bernard Lim Kee Weng
Mr. Kuugan Tangarajoo, Grad. I.E.M.
Ir. Chen Harn Sean
Ir. Simon Yeong Chin Chow
Ir. David Lee Hock Hai
Ir. Dr. Tan Yean Chin
Ir. Prof. Dr. Lau Hieng Ho

JAWATANKUASA SEMAKAN PENGURUSAN IEM
(IEM Management Review Committee)
Pengerusi

Ir. Prof. Dr. Norlida binti Bunyamin

Timbalan Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ahli-Ahli

Y.Bhg. Dato' Ir. Ahmad Murad bin Omar
Ir. Mohd Aman bin Hj. Idris
Ir. Mohd Khir bin Muhammad
Ir. Yau Chau Fong
Ir. Chen Harn Sean
Ir. Prof. Dr. Tan Chee Fai
Ir. Abdul Razak bin Yakob
Ir. Prof. Dr. Zuhaina binti Zakaria
Ir. Dr. Lee Yun Fook
Ir. Bernard Lim Kee Weng
Ir. Fam Yew Hin
Ir. Gunasagaran a/l Kristnan
Ir. Lai Sze Ching
Ir. Prof. Dr. Lau Hieng Ho
Ir. Wong Chee Fui
Ir. Yam Teong Sian
Ir. Simon Yeong Chin Chow

JAWATANKUASA KHAS PINDAAN PERLEMBAGAAN DAN UNDANG-UNDANG KECIL IEM
(Special Committee on Amendments to the IEM Constitution and Bylaws)
Pengerusi

Ir. Lai Sze Ching

Ahli-Ahli

Ir. Lee Boon Chong
Ir. Chong Sun Fatt
Ir. Gopal Narian Kutty
Ir. Assoc. Prof. Dr. David Chuah Joon Huang

JAWATANKUASA KHAS COVID-19
(Special Committee on COVID-19)
Pengerusi

Ir. Ong Ching Loon

Ahli-Ahli

Ir. Prof. Dr. Norlida binti Bunyamin
Ir. Assoc. Prof. Dr. David Chuah Joon Huang
Ir. Prof. Dr. Jeffrey Chiang Choong Luin
Ir. Yau Chau Fong
Ir. Hj. Mohd Aman bin Hj. Idris
Ir. Mohd. Khir bin Muhammad
Y.Bhg. Dato' Ir. Ahmad Murad bin Omar
Ir. Chen Harn Sean
Ir. Prof. Dr. Tan Chee Fai

JAWATANKUASA KHAS PELAN STRATEGIK IEM

(Special Committee on IEM Strategic Plan)

Working Group 1 - Stability of IEM Based on the New Norm

Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ahli-Ahli

Y.Bhg. Dato' Paduka Ir. Hj. (Dr.) Keizrul Abdullah
 Ir. David Lai Kong Phooi
 Ir. Lai Sze Ching
 Ir. Lee Weng Onn
 Ir. Yam Teong Sian
 Ir. Prof. Dr. Lau Hieng Ho

JAWATANKUASA KHAS PELAN STRATEGIK IEM

(Special Committee on IEM Strategic Plan)

Working Group 3 – Membership Retention

Pengerusi

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

Ahli-Ahli

Y.Bhg. Dato' Paduka Ir. Keizrul bin Abdullah
 Ir. Chen Harn Shean
 Ir. Prof. Dr. Lau Hieng Ho
 Ir. Rusnida binti Talib
 Mr. Muhammad Ashiq Marecan bin Hamid Marecan, Grad. I.E.M.

JAWATANKUASA KHAS PELAN STRATEGIK IEM

(Special Committee on IEM Strategic Plan)

Working Group 4 – Networking and Globalisation

Pengerusi

Ir. Mohd Khir bin Muhammad

Ahli-Ahli

Ir. Dr. Tan Yean Chin
 Ir. Bernard Lim Kee Weng
 Y.Bhg. Dato' Ir. David Lee Hoke Hai
 Ir. Yau Chau Fong
 Ir. Rusnida binti Talib
 Ir. Simon Yeong Chin Chow
 Mr. Muhammad Ashiq Marecan bin Hamid Marecan, Grad. I.E.M.

JAWATANKUASA PENYELARAS KERTAS POSISI IEM

(Position Paper Coordinating Committee - PPCC)

Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ahli-Ahli

Y.Bhg. Dato' Ir. Lim Chow Hock
 Y.Bhg. Dato' Ir. Nor Hisham Ghazali
 Ir. Steven Toh Chin Kok
 Ir. Dr. Wong Wai Sam
 Ir. Prof. Dr. Tan Chee Fai
 Ir. Francis Ngiam Kee Hwee
 Ir. Dr. Ashita Krishnan Sivasankaran
 Ir. Kwok Yew Hoe
 Ir. Dr. Bhuvendhraa Rudrusamy

JAWATANKUASA KHAS PELAN STRATEGIK IEM

(Special Committee on IEM Strategic Plan)

Working Group 2 - Stable and Sustainable Income

Pengerusi

Ir. Dr. Lee Yun Fook

Ahli-Ahli

Ir. Yau Chau Fong
 Ir. Chen Harn Shean
 Ir. Fam Yew Hin
 Ir. Prof. Dr. Tan Chee Fai
 Ir. Abdul Razak bin Yakob
 Dato' Ir. Lim Chow Hock

JAWATANKUASA KHAS PELAN STRATEGIK IEM

(Special Committee on IEM Strategic Plan)

Working Group 5 – Transforming IEM Training Centre into a Centre of Excellence in Training and Competency Development

Pengerusi

Ir. Gopal Narian Kutty

Ahli-Ahli

Ir. Noor Hisham bin Yahaya
 Ir. Bernard Lim Kee Weng
 Ir. Chong Chew Fan
 Ir. Rusnida binti Talib
 Mr. Darshan Balasubramaniam, Grad. I.E.M.

PASUKAN PETUGAS PENYEDIAAN GARISPANDUAN KEJURUTERAAN UNTUK PENCEGAHAN DAN KAWALAN DENGGI

(Task Force For Preparation Of Engineering Guidelines On The Prevention And Control Of Dengue)

Pengerusi

Y.Bhg. Dato' Ir. Lim Chow Hock

Naib Pengerusi

Ir. Cheah Kam Loong, John

Setiausaha

Ir. Assoc. Prof. Dr. Hayati binti Abdullah

Ahli-Ahli

Ir. Yau Ann Nian (*Wakil P. Pinang*)
 Ir. Dr. Chang Chun Kiat (*Wakil P. Pinang*)
 Ir. Simon Yeong Chin Chow (*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*)
 Ir. Vincent Khaw Wei Chuen (*Wakil Kimia*)
 Dr. Abd. Rahman bin Abdul Rahim (*Wakil Pengurusan Projek*)
 Assoc. Prof. 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. Leow Cheah Wei
 Ir. Prof. Dr. Cheong Kuan Yew
 Ir. Lalchand Gulabrai
 Ir. Dr. Amir Basha Mohd Ismail
 Mr. Alex Looi Tink Huey, Grad. I.E.M.

PERUBAHAN IKLIM (Climate Change)

Pengerusi

Ir. Prof. Dr. Zuhaina binti Zakaria

Ahli-Ahli

Y.Bhg. Dato' Ir. Lim Chow Hock
 Ir. Prof. Dr. Tan Chee Fai
 Ir. Assoc. Prof. Dr. David Chuah Joon Huang
 Ir. Thirunavukkarasu Namasivayam (*ENETD*)
 Ms. Sumeshini Subramaniam (*ENETD*)
 Ir. Kwok Yew Hoe (*EETD*)

HIDROGEN SEBAGAI SUMBER TENAGA (Hydrogen as a New Energy Source)

Pengerusi

Ir. Kwok Yew Hoe

Ahli-Ahli

Ir. Dr. Siow Chun Lim
 Ir. Chong Chew Fan
 Ir. Jarvis Ling Sing Keng
 Ir. Lalchand a/l Gulabrai
 Ir. Loo Chee Kin
 Dr. Hazlina binti Husin, Grad. I.E.M.
 Dr. Lim Kean Long, Grad. I.E.M.
 Dr. Wong Wai Yin, Grad. I.E.M.
 Mr. Jason Yeo Kok Seng, Grad. I.E.M.
 Mr. Alex Looi Tink Huey, Grad. I.E.M.
 Ms. Pengiran Noraini @ Dayang Ku Noraini binti Pg. Mohd.
 Hussein Al-Hashim, Grad. I.E.M.

MEREVOLUSIKAN PEMBINAAN 4.0 UNTUK INDUSTRI PEMBINAAN DI MALAYSIA (Revolutionizing Construction 4.0 For The Construction Industry In Malaysia)

Pengerusi

Ir. Prof. Dr. Jeffrey Chiang Choong Luin

Ahli-Ahli

Ir. Dr. Wang Hong Kok (*UEDSIG*)
 Ir. Phillip Wong (*UEDSIG*)
 Ir. Dr. Alvin Yap Chee Wei (*METD*)
 Ir. Dr. Harris bin Abd Rahman Sabri (*PMTD*)
 Ir. Dr. Ahmad Firdauz bin Abdul Mutalib (*JKR*)
 Ir. Liew Shaw Song (*ACEM*)
 Assoc. Prof. Ts. Dr. Lee Wah Pheng (*TARUC*)
 Mr. Wei Ke Wu (*China Construction Development (S) China*)
 Mr. S. Ramesh a/l V. Subramaniam (*IJM Corporation Bhd*)
 Mr. Bruce Kong (*Bina Initiatives Sdn Bhd*)
 Ir. Dr. Maggie Chel Gee Ooi (*UKM*)
 Dr. Lim Yee Mei (*GMCM Sdn Bhd*)
 Ts. Dr. Gerald Sundaraj (*CIDB*)

Y.Bhg. Dato' Ir. Wan Nazari Wan Jusoh (*Wakil Terengganu*)
 Y.Bhg. Dato' Ir. Mohd. Noh Haji Ibrahim (*Wakil Southern*)
 Dr. Ho Kah Chun
 Ir. C. Kamalesen a/l Chandrasekaran (*Wakil Sumber Air*)
 Ir. Lim Chee Kiang (*Wakil Sumber Air*)
 Ir. Tajul Ariffin bin Mohamed Nori (*Wakil Mekanikal*)

GARISPANDUAN REKABENTUK BANGUNAN SEKOLAH UNTUK PENCEGAHAN WABAK (Guideline on Design of School Buildings for Epidemic Prevention)

Pengerusi

Ir. Dr. Bhuvendhraa Rudrusamy

Penasihat

Y.Bhg. Academician Dato' Ir. Lee Yee Cheong

Ahli-Ahli

Ir. Ng Yong Kong
 Ir. Al-Khairi Mohd. bin Mohd. Daud
 Mr. Alex Looi Tink Huey, Grad. I.E.M.
 Ts. Dr. King Yeong Jin, Grad. I.E.M.
 Ts. Ng Wen Bin, Grad. I.E.M.
 Ts. Shahreen Ghazali (*CIDB*)
 Ts. Fuhairah Ahmad Fuad (*CIDB*)
 Ir. Ts. Hazlina binti Yon (*DOSH*)
 En. Ramli bin Hassan (*DOSH*)
 Ir. Mokhtar bin Sabtu (*DOSH*)
 Dr. Nurashikin binti Ibrahim (*MOH*)
 Dr. Nor Saidatul Rajeah binti Zamzam Amin (*MOE*)
 Ts. Dr. Wan Noor Azhar (*MOE*)
 Sr. Norlela binti Mat Nasir (*JKR*)
 Ar. Nazaruddin bin Muhammad (*JKR*)
 Ir. Wan Siti Faeza binti Wan Ismail (*JKR*)
 Sr. Awatif binti Abdul Ghaffar (*Ministry of Economy*)
 Sr. Syahir Azfar bin Mohd Noor (*Ministry of Economy*)
 Pn. Mazlia binti Muhammad (*Ministry of Economy*)

PERANAN JURUTERA DALAM KESELAMATAN PEMBINAAN (Engineer's Role in Construction Safety)

Pengerusi

Ir. Francis Ngiam Kee Hwee

Ahli-Ahli

Ir. Fan Hong Poh (*ENETD*)
 Mr. Babooraman a/l Shanmuganathan, Grad. I.E.M. (*MaTD*)
 Assoc. Prof. Dr. Abd. Rahman bin Abdul Rahim, Grad. I.E.M.
 (*PMTD*)
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 Ir. Dr. Wong Wai Sam (*WRD*)
 Dr. Lee Sim Yee, Grad. I.E.M. (*WRD*)
 Ir. Sundraraj a/l Krishnasamy (*BEM*)
 Ir. Anuar Mohd Aris (*BEM*)
 Mr. Michael Yap Kok Wai (*MBAM's Safety & Health
 Committee*)
 Y.Bhg. Dato' Ir. Dr. Hj. Ahmad Anuar bin Othman (*JPS*)
 Ir. Ts. Dr. Hj. Muhammad Khairudin Khalil (*JPS*)
 Sr. Rogayah Yunus (*BQS*)
 Ts. Haji Mohd Esa Baruji (*NIOSH*)
 Mr. Azhar bin Ahmad (*NIOSH*)

EKOSISTEM INDUSTRI ELEKTROINIK DI MALAYSIA

(Electronic Industry Ecosystem in Malaysia)

Pengerusi

Dr. Leow Cheah Wei, Grad. I.E.M.

Ahli-Ahli

Ir. Dr. Huzein Fahmi bin Hawari (*eETD*)
 Mr. Sivaraman a/l Rukumangatha Rajah, Grad. I.E.M. (*eETD*)
 Ir. Dr. Lee Choo Yong (*eETD*)
 Ir. Dr. Mui Kai Yin (*eETD*)
 Mrs. Azwati Azmin, Grad. I.E.M. (*eETD*)
 Ir. Dr. Tan Kim Seah (*eETD*)
 Ms. Soo Swee Yee, S. Grad. I.E.M. (Jaclynn) (*eETD*)
 Assoc. Prof. Dr. Yeap Gik Hong, Grad. I.E.M. (*eETD*)
 Ir. Bernard Lim Kee Weng (*Appscardz Group*)
 Prof. Dr. Tan Chee Leong (*Nanjing University of Posts and Telecommunications*)
 Dr. Chin Hon Keong (*T3 Environment Pte Ltd*)
 Dr. Ivan Ling (*University Southampton Malaysia*)

PELUANG DAN RISIKO PRODUK NANOTEKNOLOGI DI MALAYSIA

(Opportunities and Risks of Nanotechnology Product in Malaysia)

Pengerusi

Ir. Prof. Dr. Cheong Kuan Yew

Ahli-Ahli

Ir. Assoc. Prof. Ts. Dr. Lai Chin Wei (*UM*)
 Ir. Prof. Dr. Rajkumar a/l Durairaj (*UTAR*)
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 Ir. Prof. Dr. Siti Anom Ahmad (*UPM*)
 Dr. Mariani Abdul Hamid (*UTM*)
 Ir. Prof. Dr. Yus Aniza Yusof (*UPM*)
 Ir. Bernard Lim Kee Weng (*Appscard Group*)
 Ir. Daniel Suraesh Balakrisan (*YHWH Shammah Creations*)

BEKALAN AIR YANG BERDAYA TAHAN

(Water Supplies Resilient)

Pengerusi

Ir. Steven Toh Chin Kok

Ahli-Ahli

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 Y.Bhg. Dato' Paduka Ir. (Dr.) Haji Keizrul Abdullah (*DRRAB*)
 Y.Bhg. Dato' Ir. Hj. Hanapi bin Mohamad Noor (*WRD*)
 Tn. Hj. Sulaiman bin Kamisan (*Bhg. Bekalan Air, KASA*)
 Ir. Muhamad Sobri bin Zakaria (*SPAN*)
 En. Noorhashim bin Baron (*SPAN*)
 Ir. Hj. Mohd Marzuki bin Baharuddin (*Lembaga Air Perak*)
 Pn. Hatiyah binti Jenawi (*Jabatan Bekalan Air Labuan*)
 Mr. Amdus bin Madus (*Jabatan Bekalan Air Labuan*)
 Pn. Lizawati Turi (*BAKSA Melaka*)
 Dr. Nik Nurhazirah binti Nik Omar (*Lembaga Sumber Air Terengganu*)

Mr. Rashid Ismail (*PERKESO*)

Mr. Nazruddin Mat Ali (*DOSH*)

Ir. Dr. Mohd Fairuz Ab. Rahman (*DOSH*)

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Ir. Zuriani Hamzah (*JKR*)

Pn. Zainora Zainal (*CIDB*)

Ir. Irin Ismail (*SESIG*)

Ir. Tajul Ariffin Mohamed Nori (*SESIG*)

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Ir. Ts. Mohd Hafzi Md. Esa (*PERKESO*)

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Ts. Louis Tay Chee Siong (*TAM*)

Ts. Chu Wei Yew (*TAM*)

Ir. Ts. Wong Chee Fui (*UTAR*)

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Mr. Muhammad Arif bin Hamzah (*MSOSH*)

Ir. Ts. Sukhairul Nizam bin Abdul Razak

BANJIR KILAT DI MALAYSIA

(Flash Flood in Malaysia)

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 Ir. C. Kamalesen a/l Chandrasekaran
 Ir. Low Sheue Lih, Shirley
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 Ir. Noor Aishah binti Zaharin
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 Ir. Sreedaran Raman
 Dr. Azlinda Saadon, S. Grad. I.E.M.
 Ms. Wong Koh Yin, Grad. I.E.M.
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 Y.Bhg. Dato' Ir. Haji Hanapi Mohamad Noor
 Dr. Lee Sim Yee, Grad. I.E.M.
 Ir. Ellias Saidin
 Ir. John Lim Chee Kiang
 Ir. Dr. Tony Chan

KENAIKAN ARAS LAUT TERHADAP KOMUNITI DAN PEMBANGUNAN PERSISIRAN PANTAI

(Sea Level Rise on Coastal Communities and Development)

Pengerusi

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

Ahli-Ahli

Ir. Jafus bin Abdul Jalil
 Ir. Iwan Tan bin Sofian Tan
 Prof. Ahmad Khairi bin Abdul Wahab
 Ir. Mohd. Radzi bin Abd. Hamid
 Ir. Nor Aslinda binti Awang
 Ir. Norzana binti Mohd Anuar

**PROMOSI PENGANGKUTAN AKTIF DALAM
PENCAPAIAN BANDAR RENDAH KARBON**
(Promoting Active Transportation in Achieving Low Carbon
City)

Pengerusi

Ir. Dr. K. S. Asitha Krishnan Sivasankaran

Ahli-Ahli

Ir. Dr. Khoo Hooi Ling

**1. PEMBANGUNAN KAPASITI MANUSIA UNTUK POLISI
KEBANGSAAN INDUSTRI 4.0**
**2. PEMBANGUNAN GARISPANDUAN UNTUK
PEMBUATAN BESTARI**

(1. Human Capacity Building for National Policy on Industry
4.0)

(2. Development on Smart Manufacturing Guidelines)

Pengerusi

Ir. Prof. Dr. Tan Chee Fai

Ahli-Ahli

Ir. Lalchand Gulabrai

Ir. Yim Hon Wa

Ts. Dr. Tony Ong Chong Yong


BAHAGIAN TEKNIK DAN KUMPULAN
(TECHNICAL DIVISIONS AND GROUPS)

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(Geotechnical Engineering Technical Division)
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Timbalan Pengerusi

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Setiausaha / Bendahari

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Penasihat

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BAHAGIAN TEKNIK KEJURUTERAAN KIMIA
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Timbalan Pengerusi

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Setiausaha / Bendahari

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Penasihat

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 Ir. Dr. Lee Tin Sin
 Dr. Jully Tan, Grad. I.E.M.
 Dr. Hazlina binti Husin, Grad. I.E.M. (Co-opted)
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 Ir. Dr. Leong Wei Dong (Observer)
 Dr. Zurfan Adi Putra (Observer)
 Ir. Mohammad Rosli Abu Seman (Observer)

BAHAGIAN TEKNIK KEJURUTERAAN PERTANIAN DAN MAKANAN

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Penasihat

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 Dr. Hii Ching Lik, Grad. I.E.M.
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 Mr. Mohd Shafiq bin Idris, Grad. I.E.M.
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BAHAGIAN TEKNIK KEJURUTERAAN SUMBER AIR
 (Water Resources Technical Division)
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BAHAGIAN TEKNIK KEJURUTERAAN ELEKTRONIK
 (Electronic Engineering Technical Division)
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Ir. Ts. Dr. Tan Kim Seah

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 Ms. Soo Swee Yee, S. Grad. I.E.M.
 Mr. Sivaraman a/l Rukumangatha Rajah, Grad. I.E.M.
 Ir. Ts. Wong Kok Nian
 Ts. Dr. Tan Teng Hwang
 Ir. Dr. Khor Jeen Ghee *(Co-opted)*
 Dr. Thong Sze Yee, S. Grad. I.E.M. *(Co-opted)*
 Dr. Yeap Gik Hong, Grad. I.E.M. *(Co-opted)*
 Ts. Dr. Ivan Ling Ting Yang, Grad. I.E.M. *(Co-opted)*
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 Mr. Peter Tiong Teck Chai, Grad. I.E.M. *(Co-opted)*
 Ir. Bernard Lim Kee Weng *(Co-opted)*
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BAHAGIAN TEKNIK KEJURUTERAAN MEKANIKAL
 (Mechanical Engineering Technical Division)
Pengerusi

Ir. Dr. Aidil Chee Tahir

Timbalan Pengerusi

Ir. Dr. Alvin Yap Chee Wei

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Ir. Ricky Liew Chee Leong

Penasihat

Ir. Syed Neguib bin Syed Mohamed

Ahli-Ahli

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 Mr. Nor Azilan Jaafar, Grad. I.E.M.
 Dr. Sara Lee Kit Yee, Grad. I.E.M.
 Ir. Yeoh Jit Shiong
 Dr. Ravinthran Mariappan
 Ir. Tony Cheng Yew Leong
 Ir. Ding Ju Liang *(Co-opted)*
 Ir. Dr. Lim Chin Seong *(Co-opted)*
 Mr. Mohammad Za'im Azyze bin Mustapha Azyze, Grad. I.E.M. *(Co-opted)*
 Ir. Hasril bin Hassini *(Co-opted)*
 Ir. Loo Chee Kin *(Co-opted)*
 Sdr. Ramesh Sabapathy, Grad. I.E.M. *(Observer)*

BAHAGIAN TEKNIK KEJURUTERAAN AWAM DAN STRUKTUR

(Civil and Structural Engineering Technical Division)

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Timbalan Pengerusi

Ir. Lo Seng Ling

Setiausaha / Bendahari

Ir. Ng Beng Hooi

Penasihat

Ir. Low Kai Wah

Ahli-Ahli

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 Dr. Daniel Looi Ting Wee
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BAHAGIAN TEKNIK KEJURUTERAAN KHIDMAT BANGUNAN

(Building Services Technical Division)

Pengerusi

Ir. Cha Hoong Kum

Timbalan Pengerusi

Ir. Al-Khairi Mohd Daud

Setiausaha / Bendahari

Ir. Sofia Johari

Penasihat

Ir. Yap Chee Hong

Ahli-Ahli

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 Ir. Thevarajan G. Shanmugan
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BAHAGIAN TEKNIK KEJURUTERAAN LEBUHRAYA DAN PENGANGKUTAN

(Highway and Transportation Engineering Technical Division)

Pengerusi

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Timbalan Pengerusi

Ir. Foo Kam Fai

Setiausaha / Bendahari

Ir. Syed Khairi bin Syed Abbas

Penasihat

Ir. Prof. Dr. Khoo Hooi Ling

Ahli-Ahli

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 Ir. Ong Sheng How
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 Ir. Gunasagaran a/l Kristnan (*Co-opted*)
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(Public Sector Engineers Special Interest Group)

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BAHAGIAN TEKNIK KEJURUTERAAN MINYAK, GAS DAN GALIAN

(Oil, Gas and Mining Technical Division)

Pengerusi

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Timbalan Pengerusi

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Setiausaha / Bendahari

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Penasihat

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KEJURUTERAAN**
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Timbalan Pengerusi

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 Ts. Nur Hasalli binti Ibrahim (Observer)
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 (Project Management Technical Division)
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Setiausaha / Bendahari

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Penasihat

Ir. Vincent Wong Khien Ngie

Ahli-Ahli

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 I.E.M. *(Co-opted)*
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**BAHAGIAN TEKNIK KEJURUTERAAN TEROWONG
DAN RUANG BAWAH TANAH**
 (Tunnelling and Underground Space Technical Division)
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Timbalan Pengerusi

Ir. Frankie Cheah Peng Leong

Setiausaha / Bendahari

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Penasihat

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Ahli-Ahli

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 En. Muhammad Taufik Mohd Syed, Grad. I.E.M. *(Co-opted)*
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MAKLUMAT DAN KOMUNIKASI**
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Penasihat

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(Marine Engineering and Naval Architecture Technical Division)
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Ahli-Ahli

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Ir. Lim Leong Bok

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Setiausaha/Bendahari

Ir. Thirunavukkarasu Namasivayam

Penasihat

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Ahli-Ahli

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Ir. Tan Seng Khee

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Ir. Dr. Lai Mun Kou

Ir. Hooi Kam Seng

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Setiausaha / Bendahari

Ir. Kamalasesan Chandrasekaran

Penasihat

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Ahli-Ahli

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Ir. Dr. Ng Kok Chiang

Mr. Dinesh Manoharan, Grad. I.E.M.

Mr. Muhammad Ashiq Marecan bin Hamid Marecan, Grad. I.E.M.

Ir. Kesavan Jaganathan (*Co-opted*)Ir. Ravindra Masilamoney (*Co-opted*)Ir. Subramaniam a/l K.S. Gopala Iyer (*Co-opted*)Ir. Chin Jik Leong (*Co-opted*)Mr. Low Pek Jun, Grad. I.E.M. (*Observer*)
KUMPULAN KECENDERUNGAN KHAS WARGAMAS
(Seniors Special Interest Group)
Pengerusi

Ir. Chow Sei Ying

Timbalan Pengerusi

Ir. Ling Sieh Kieng

Setiausaha

Ir. Yvonne Fernandez

Penasihat

Ir. Lalchand a/l Gulaibrai

Ahli-Ahli

Ir. Khor Hock Keat

Ir. Ts. Sukhairul Nizam bin Abdul Razak

Mr. Dinesh Manoharan, Grad. I.E.M.

Ir. Chong Kwet Hin

Mr. Muhammad Ashiq Marecan bin Hamid Marecan, Grad. I.E.M.

Ir. Sri Kanthan a/l Veeramuthu

**KUMPULAN KECENDERUNGAN KHAS
 PEMBANGUNAN KEJURUTERAAN BANDAR**
 (Urban Engineering Development Special Interest Group)
Pengerusi

Ir. Azhar bin Azmi

Timbalan Pengerusi

Ir. Benny Lau Eng Kee

Setiausaha

Ir. Mike Lau Yee Leong

Penasihat

Ir. Tiong Choong Han

Ahli-Ahli

Ir. Ng Sean Lok
 Ir. Dr. Wang Hong Kok
 Ts. Dr. Ong Chong Yong, Grad. I.E.M.
 Mr. Kenny Chia, Grad. I.E.M.
 Ir. Tang Chi Kon
 Dr. Maggie Ooi Chel Gee, Grad. I.E.M.
 Dr. Lloyd Ling, Grad. I.E.M. *(Co-opted)*
 Mr. Jason Chan Kar Leong, Grad. I.E.M. *(Co-opted)*
 Mr. Lim Kent Khai, Grad. I.E.M. *(Co-opted)*
 Ir. Prof. Dr. Lam Foo Chee *(Co-opted)*

**KUMPULAN KECENDERUNGAN KHAS KESELAMATAN
 DALAM KEJURUTERAAN**
 (Safety in Engineering Special Interest Group)
Pengerusi

Ir. Tajul Ariffin Mohamed Nori

Timbalan Pengerusi

Ir. Francis Ngiam Kee Hwee

Setiausaha

Ir. Dr. Mohd Fairuz Ab. Rahman

Penasihat

Ir. Yau Chau Fong

Penasihat Jemputan

Ir. Hj. Mohd Hatta bin Zakaria

Ahli-Ahli

Ir. Dr. Zaki Yamani bin Zakaria
 Ir. Shum Keng Yan
 Ir. Loo Chee Kin
 Dr. Ong Chong Yong
 Ir. Gary Lim Eng Hwa
 Ir. Jegalakshimi a/p Jewaratnam
 Ir. Irin Ismail *(Co-opted)*
 Ir. Dr. Ezzarhan Abdullah *(Co-opted)*
 Ir. Luk Chau Beng *(Co-opted)*
 Ir. Yeoh Jit Shiong *(Co-opted)*
 Ir. Hor Kok Luen *(Co-opted)*
 Ir. Noor Hisham bin Yahaya *(Observer)*
 Ir. Rasyida binti Omar *(Observer)*
 Ms. Ainarull Assikin binti Abdul Hadi, Grad. I.E.M. *(Observer)*

BAHAGIAN TEKNIK KEJURUTERAAN BAHAN
 (Material Engineering Technical Division)
Pengerusi

Ir. Prof. Dr. Cheong Kuan Yew

Timbalan Pengerusi

Ir. Assoc. Prof. Dr. Wong Yew Hoong

Setiausaha

Ir. Dr. Tan Kim Seah

Penasihat

Ir. Dr. Tan Kim Hor

Ahli-Ahli

Ir. Assoc. Prof. Dr. Ang Bee Chin
 Ir. Assoc. Prof. Dr. Tan Chou Yong
 Ir. Dr. Mui Kai Yin
 Ir. Bernard Lim Kee Weng
 Ir. Prof. Dr. Rajkumar a/l Durairaj
 Ir. Daniel Suraesh Balakrisan
 Ir. Assoc. Prof. Dr. Yew Ming Chian *(Co-opted)*
 Ir. Assoc. Prof. Dr. Mohd Arif Anuar Mohd Salleh *(Co-opted)*
 Dr. Tan Inn Shi, Grad. I.E.M. *(Co-opted)*
 Mr. Babooraman a/l Shanmuganathan, Grad. I.E.M. *(Co-opted)*

BAHAGIAN JURUTERA WANITA
 (Women Engineers Section)
Pengerusi

Ir. Noorfaizah binti Hamzah

Timbalan Pengerusi I

Ir. Prof. Dr. Zuhaina binti Zakaria

Timbalan Pengerusi II

Ir. Assoc. Prof. Dr. Syuhaida binti Ismail

Setiausaha

Ir. Nur Azhani binti Mohamad Rosli

Bendahari

Y.Bhg. Datin Sri Ir. Hjh. Nor Asiah binti Othman

Bekas Pengerusi

Ir. Rusnida binti Talib

Ahli-Ahli

Ir. Dr. Jeyanthi Ramasamy
 Ir. Noraidah binti Yahya
 Ir. Hanizah binti Argadan
 Ms. Ainarull Assikin binti Abdul Hadi, Grad. I.E.M.
 Ms. Nur Syafika Artika Rahim, Grad. I.E.M.
 Ms. Sakinah binti Ab. Halim, Grad. I.E.M.

Ahli Korporat Dilantik

Ir. Raftah binti Mahfar
 Ir. Mah Siew Kien
 Ir. Suhana binti Abdul Majid
 Ir. Sharifah Azlina binti Raja Kamal Pasmah
 Ir. Dr. Zahiraniza Mustafa

BAHAGIAN SISWAZAH DAN SISWA

(Young Engineers Section / Graduate & Student Section)

Pengerusi

Mr. Muhd Ashiq Marecan bin Hamid Marecan, Grad. I.E.M.

Naib Pengerusi (I)

Mr. Lim Yiren, Grad. I.E.M.

Naib Pengerusi (II)

Mr. Darshan Balasubramaniam, Grad. I.E.M.

Setiausaha / Bendahari

Ms. Ong Ye Shian, Grad. I.E.M.

Bekas Pengerusi Terakhir

Mr. Kuugan Thangarajoo, Grad. I.E.M.

Penasihat

Ir. Yam Teong Sian

Ahli-Ahli

Mr. Ooi Wei Chien, Grad. I.E.M.

Mr. Chuah Pei Lim, Grad. I.E.M.

Sdri. Nur Syafiqah binti Maslan

Sdr. Muhammad Amirul Haziq bin Hasry

Sdri. Illy Alia binti Mohd Azizan

Mr. Felix Voon Sze Lee, Grad. I.E.M.

Ahli-Ahli Jemputan

Mr. Muhd Afiq Irfan Zaharuddin, Grad. I.E.M.

Ms. Ainarull Assikin binti Abdul Hadi, Grad. I.E.M.

Mr. Vicknesh a/l Shanmugam, Grad. I.E.M.

Sdri. Racheal Chek Xiou Rue

Ms. Nyan Shu Qi, Grad. I.E.M.

Sdr. Desmond Wong Choon Lye

Sdr. Desmond Kan Yip Phang

Pemerhati

Ms. Michelle Lau Chui Chui, Grad. I.E.M.

Ms. Choong Pooi Ying, Grad. I.E.M.

Ir. Tan Loo Yen

Ms. Irene Lock Sow Mei

CAWANGAN
(REGIONAL BRANCHES)

CAWANGAN PENANG
(Penang Branch)

Pengerusi

Ir. Bernard Lim Kee Weng

Naib Pengerusi (I)

Ir. Dr. Chang Chun Kiat

Naib Pengerusi (II)

Ir. Chan Wah Cheong

Setiausaha Kehormat

Ir. Khor Jeen Ghee

Bendahari Kehormat

Ir. Darren Khoo Jun Chieh

Ahli-Ahli

Ir. Teh Siew Yin

Ir. Tan Yan Moy

Ir. Juliet Choo Lay Guat

Ir. Tan Bak Ping

Ir. Andy Lian Shin Wai

Ir. Tean Sze Nee

Ir. Ong Sheng How

Ir. Khaw Yao Shun

Bekas Pengerusi Terakhir

Ir. Yau Ann Nian

CAWANGAN SABAH
(Sabah Branch)

Pengerusi

Ir. Willy Chin Tet Fu

Naib Pengerusi (I)

Ir. Tan Kok Jyh

Naib Pengerusi (II)

Ir. Mohd. Yaakob bin Jaafar

Setiausaha Kehormat

Ir. Paul Yap Kok Wai

Bendahari Kehormat

Ir. Dr. Michael Tay Tshung Wang

Ahli-Ahli

Y.Bhg. Datuk Ir. Ts. Dr. Amarjit Singh

Ir. Yong Sui Su

Ir. Wong Chen Jack

Ir. Sunderaeswaran Nayar

Ir. Jess Vun Wey Tyng

Ir. Andrew Samuel Ravindran a/l Amaladoss

Ir. Arius Yu Siaw Cheun

Ir. Wah Kheng Haw

Bekas Pengerusi Terakhir

Ir. Jeffrey Ng Vun Ping

CAWANGAN SELATAN
(Southern Branch)

Pengerusi

Ir. Thayala Rajah a/l C. Selvaduray

Naib Pengerusi (I)

Ir. David Puen Ming Shen

Naib Pengerusi (II)

Ir. Prof. Dr. Sharul Kamal bin Abdul Rahim

Setiausaha Kehormat

Ir. Kamisan bin Turiman

Bendahari Kehormat

Ir. Nguee Chin Seng

Ahli-Ahli

Ir. Bong Beng Siong

Ir. Azlan bin Md. Sharipin

Ir. Binee Chng Yu Leng

Ir. Thirumurugan a/l Manikam

Bekas Pengerusi Terakhir

Ir. Wong Yee Foong

CAWANGAN NEGERI SEMBILAN
(Negeri Sembilan Branch)

Pengerusi

Ir. Shahrin Amri bin Jahari

Naib Pengerusi (I)

Ir. Azizi bin Ahamad

Naib Pengerusi (II)

Ir. Khoo Nee Keong

Setiausaha Kehormat

Ir. Hazlin bin Harun

Bendahari Kehormat

Ir. Tan Chee Nian

Ahli-Ahli

Ir. Teh Wee Teck

Ir. Mohamad Firdaus bin Zainal

Ir. Prem Rakesh Subramaniam

Ir. Chee Shai Choon

Bekas Pengerusi Terakhir

Ir. Chong Chee Yen

CAWANGAN MELAKA
(Malacca Branch)
Pengerusi

Ir. Ong Yee Pin

Naib Pengerusi (I)

Ir. Lam Ah Hang

Naib Pengerusi (II)

Ir. Mohd Fairuz bin Mohd Rashid

Setiausaha Kehormat

Ir. Sures Kumar a/l Ganesan

Bendahari Kehormat

Ir. Lam Choon Kay

Ahli-Ahli

Ir. Ronnie Neo Hai Fun

Ir. Hj. Mohd Ariff bin A Karim

Ir. Sh Ja'afar bin Sh Ismail

Ir. Lim Su Hian

Bekas Pengerusi

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

Penasihat

Ir. Ooi Kah Huat

CAWANGAN PERAK
(Perak Branch)
Pengerusi

Y.Bhg. Dato' Sri Ir. Liew Mun Hon

Naib Pengerusi (I)

Ir. Assoc. Prof. Dr. Nursyarizal Mohd Nor

Naib Pengerusi (II)

Ir. Tiah Oon Han

Setiausaha Kehormat

Ir. Leong Kah Hon

Bendahari Kehormat

Ir. Mohd Nasharuddin bin Hashim

Ahli-Ahli

Ir. Dr. Chan Seong Phun

Ir. Bryan Ng Horng Heng

Ir. Suhaini binti Ahmad

Ir. Darren Chin Woon Kheong

Ir. Cheong Wei Hao

Ir. Nick Liew Kar Hoe

Ir. Koh Ju Ann

Bekas Pengerusi

Ir. Loh Ban Ho

CAWANGAN KEDAH-PERLIS
(Kedah-Perlis Branch)
Pengerusi

Ir. Roshasmawi bin Abdul Wahab

Naib Pengerusi (I)

Ir. Jamaluddin bin Abdullah

Naib Pengerusi (II)

Ir. Sharudin bin Halim

Setiausaha Kehormat

Ir. Abdur Rahman Azzam bin Che Sobry

Bendahari Kehormat

Ir. Rosafizawati binti Shuib

Ahli-Ahli

Ir. Hj. Ahmad Zukri bin Mat Noh

Ir. Shahrul Bazli bin Saharudin

Ir. Khairunisa binti Khairuddin

Ir. Hj. Abdul Rani bin Ghazali

Ir. Siti Nur Thazliah binti Mohd Thazali

Bekas Pengerusi Terakhir

Ir. Dr. Mohamad Shaiful Ashrul bin Ishak

CAWANGAN PAHANG
(Pahang Branch)
Pengerusi

Ir. Ab. Rahman bin Hashim

Naib Pengerusi (I)

Ir. Harzah Masni binti Ramli

Setiausaha Kehormat

Ir. Dr. Norbaiti bin Jarabe

Bendahari Kehormat

Ir. Azhani binti Zukri

Ahli-Ahli

Ir. Mohd Azrul Nizam bin Mohd Zahir

Ir. Zakaria bin Muhammad

Ir. Nik Mohd Zuki bin Nik Mohamed

Ir. Chin Siew Choo

Bekas Pengerusi Terakhir

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

CAWANGAN MIRI
(Miri Branch)
Pengerusi

Ir. Chong Boon Hui

Naib Pengerusi (I)

Ir. Meheron Selowara Joo

Naib Pengerusi (II)

Ir. Tian Fung Wang

Setiausaha Kehormat

Ir. William Chien Hui Liang

Bendahari Kehormat

Ir. Nelson Ng Soon Hee

Ahli-Ahli

Ir. Yee Wen Jye
Ir. Wong Kwong Soon
Ir. Chan Yen San
Ir. Yii Shie Chuong

Bekas Pengerusi Terakhir

Ir. Sean Wong Siong Ung

CAWANGAN SARAWAK
(Sarawak Branch)
Pengerusi

Y.Bhg. Dato' Ir. Janang Ak Bungsu

Naib Pengerusi (I)

Ir. Sim Hui Kheng, Stephanie

Naib Pengerusi (II)

Ir. Jonathan Law Sie Ding

Setiausaha Kehormat

Ir. Dr. Angelia Liew San Chuin

Bendahari Kehormat

Ir. Bernard Chong Yin Shik

Ahli-Ahli

Ir. Lim Kim Ong
Ir. Hii Hwang
Ir. Edna Matthew Ruji
Ir. Kuan Jew Xun
Ir. Anthony Huang Kiong Huat
Ir. Andrew Ragai Anak Henry Rigit

Bekas Pengerusi Terakhir

Ir. Haidel Heli

CAWANGAN KELANTAN
(Kelantan Branch)
Pengerusi

Ir. Nik Ab. Hadi bin Hassan

Naib Pengerusi (I)

Ir. Nik Burhanuddin bin Nik Yusoff

Naib Pengerusi (II)

Ir. Abrizan bin Abdul Kadir

Setiausaha Kehormat

Ir. Che Sufian bin Che Hussin

Bendahari Kehormat

Ir. Rosli bin Mohamed

Ahli-Ahli

Ir. Mohd Zaidi bin Che Mod
Ir. Nurmawaddah binti Mohd Idris
Ir. Wan Muhammad Faisyal bin Mohd Noor
Ir. Mohd Danial bin Zammeri
Ir. Zaidi bin Ibrahim
Ir. Suhayani binti Dollah

Bekas Pengerusi Terakhir

Ir. Shaipuddin bin Shapii

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. Azliza @ Mohd Anuar bin Abd Ghani

Bendahari Kehormat

Ir. Zamzuri bin Aziz

Ahli-Ahli

Ir. Wan Muhammad Adib bin Wan Zuraidi
Ir. Dr. Zulzilawati binti Jusoh
Ir. Mazlan bin Che Ku Ahmad
Ir. Mohd Jailani bin Harun
Ir. Wan Ibrahim bin Wan Said
Ir. Nina Imelda binti Mohamad Sulanah
Ir. Ramzi bin Harun
Ir. Abd. Karim bin Abd Rahman
Ir. Wan Muhammad Irsyaduddin bin Wan Zohal
Ir. Emiliawati binti Mat Lazim
Ir. Zahid Suffian bin Zainal Abidin

Bekas Pengerusi Terakhir

Ir. Hj. Abdullah Zawawi bin Mohd Noor


AHLI-AHLI JAWATANKUASA PENGELOLA
 (ORGANISING COMMITTEES)

JAWATANKUASA PENGELOLA
**Jawatankuasa Pengelola Pertandingan “Chem-E-Car
Kebangsaan Ke-16” 2021/2022**

 (Organising Committee for 16th Malaysian Chem-E-Car
Competition 2021/2022)

Pengerusi

Mr. Mohd Fauzi Zaniil

Ahli-Ahli

 Dr. Azry bin Borhan
 Mr. Badrulhaswan bin Besar
 En. Abdul Hakim Hj. Abu Bakar
 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. Soundarajan Krishnan
 Dr. Muhammad Rashid Shamsuddin
 Dr. Gobi Kanadasan
 Ms. Nurhazwani Ismail
 Dr. Muhammad Syafiq Hazwan bin Ruslan
 Dr. Zulhelmi bin Amir

JAWATANKUASA PENGELOLA
**Jawatankuasa Pengelola Pertandingan Rekabentuk
IEM 2021/2022**

(Organising Committee on Design Competition 2021/2022)

Pengerusi

Dr. Ang Wei Lun

Naib Pengerusi

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

Ahli-Ahli

 Ir. Dr. Chong Chien Hwa
 Ir. Lee Teck Lii
 Ir. Dr. Teow Yeit Haan
 Ir. Assoc. Prof. Dr. Lee Tin Sin
 Ir. Prof. Dr. Dominic Foo Chwan Yee
 Ir. Thayananthan Balakrishnan
 Dr. Ho Kah Chun
 Ir. Mohammad Fadhli bin Mat Shah
 Ir. Prof. Dr. Thomas Choong Shean Yaw
 Dr. Hazlina binti Husin
 Ir. Prof. Dr. Tee Tiam Ting
 Mr. Mohd Fauzi Zaniil
 Mr. Mohamad Anwar Ahmad
 Mr. Ong Wei Rex

ITEM OUTSIDE BODIES REPRESENTATION (OBR)
MASTER LISTS 2022 (1 JANUARY 2022 - 31 DECEMBER 2022)
FOR IEM ANNUAL REPORT 2022

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
(1) ANQAS Certification Sdn. Bhd.							
Dialogue / Meetings:	Impartiality Review Panel (IRP) - 2022-01	05/10/2022 9.30 am	Bilik Dahlia II, Bangi Resort Hotel, Bandar Baru Bangi.	Ir. Lai Sze Ching	1/1	PPC	
(2) Balai iktibas Malaysia (BIM) / Malaysian Professional Centre							
Dialogue / Meetings:	The Board of Management Meeting (2) 2021/2022 (BOM)	26/01/2022 6.00 pm	Zoom Online Meeting	Ir. Gunasagaran a/l Kristnan Ir. Dr. Bhuvendhraa Rudrusamy	1/1 1/1	CA CA	
	The Annual 49 th General Meeting, AGM: (49) 2021/2022	27/07/2022 2.30 pm	New World Hotel, Paradigm Mall, Petaling Jaya	Ir. Gunasagaran a/l Kristnan Ir. Dr. Bhuvendhraa Rudrusamy	1/1 1/1	CA CA	
(3) Board of Engineers Malaysia (BEM)							
Dialogue / Meetings:	Jemputan Mesyuarat Pindaan Akta Jalan, Parit Dan Bangunan (ACT 133)	07/02/2022 3.00 pm	Zoom Online Meeting	Ir. Dr. Tan Yean Chin Ir. Yasotha Ramachandran Chetty	1/1 1/1	PPC PPC	
(4) Building Management Association of Malaysia (BMAM)							
Dialogue / Meetings:	Thirty Third Executive Committee Meeting and Thirteenth Annual General Meeting	26/03/2022 3.00 pm - 6.00 pm	Business Centre, One World Hotel, Bandar Utama, 47800 Petaling Jaya, Selangor.	Ir. Lee Weng Onn	1/1	CA	
(5) CIDB Malaysia							
Dialogue / Meetings:	Mesyuarat Bengkel Semakan Semula CIDB Standard Form of Contract [2000 Edition]	21/01/2022 9.30 am - 11.30 am	Bilik Mesyuarat Resak, Tingkat 32, CIDB Malaysia, Menara Dato Onn, WTC KL	Ir. Hooi Wing Chuen	1/1	CSETD	
	Mesyuarat Jawatankuasa Semakan Semula CIDB Standard Form of Contract [2000 Edition] Bil.3/ 2021-2022	22/04/2022 9.00 am - 11.00 am	CIDB Webex	Ir. Hooi Wing Chuen	1/1	CSETD	
	Mesyuarat Jawatankuasa Semakan Semula CIDB Standard Form of Contract [2000 Edition] Bil.4/ 2021-2022	21/06/2022 9.00 am - 11.00 am	TBA	Ir. Hooi Wing Chuen	1/1	CSETD	
	Mesyuarat Jawatankuasa Semakan Semula CIDB Standard Form of Contract [2000 Edition] Bil.5/ 2021-2022	27/09/2022 9.00 am - 12.00 pm	Bilik Kempas, Tingkat 32, CIDB Malaysia, KL	Ir. Hooi Wing Chuen	1/1	CSETD	
	Mesyuarat Jawatankuasa Teknikal Pembangunan Industri Pembinaan (JIPN-T) Bil.1/2022	17/03/2022 9.00 am - 11.00 am	Webex Online	Ir. Jimmy Wan Yoon Hin Ir. Yasotha Ramachandran Chetty Ir. Ng Beng Hooi	0/1 0/1 1/1	CSETD CSETD CSETD	
	Mesyuarat Pelan Strategik Pembinaan 4.0 (2023-2025) CIDB - Fasa 2	09/06/2022 9.30 am - 11.00 am	Microsoft Teams	Ir. Hooi Wing Chuen	0/1	CSETD	
	Mesyuarat Untuk Membincangkan Cadangan Mengawal Selia Fly Ash di Bawah Jadual Keempat Akta 520 CIDB	09/06/2022 10.00 am - 12.30 pm	Bilik Mesyuarat Diamond, Tingkat 23, Menara Sunway Putra	Ms. Wong Ai Ming	1/1	CSETD	
	Jemputan Mesyuarat Bil.1/2022 Berkenaan: 1. CIS 22 Safe Use of Scaffolding In Construction 2. CIS 23 Safe Use Of Falsework In Construction	20/07/2022 9.30 am - 12.30 pm	Bilik Mesyuarat Resak, Tingkat 32, CIDB Malaysia, Menara Dato Onn, WTC KL	Ir. Teh Tzyy Wooi	1/1	CSETD	
	Jemputan Mesyuarat Bil.3/2022 Berkenaan: 1. CIS 22 Safe Use of Scaffolding In Construction 2. CIS 23 Safe Use Of Falsework In Construction	09/11/2022 9.30 am - 5.00 pm	Ibu Pejabat CIDB, Tingkat 32, Bilik Kempas, WTC, Kuala Lumpur	Ir. Lee Kee Bau	0/1	CSETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Sesi Libat Urus Bersama Industri Mengenai Peraturan Kerja Selamat Di Tapak Bina Di Bawah Akta 520 CIDB	23/03/2022 12.30 pm - 5.30 pm	Seri Pacific Hotel Kuala Lumpur	Ir. Assoc. Prof. Dr. Syuhaida binti Ismail	1/1	PMTD	
	Jemputan Bengkel 1 Bagi Pembangunan Pelan Strategik Pembinaan 4.0 (2023-2025) CIDB - Fasa 2	14/06-15/06/2022 9.00 am - 5.00 pm	TBA		0/1	CSETD	
	Bengkel Semakan Semula CIDB Standard Form of Contract (2000 Edition)	02/08/2022 9.00 am - 4.00 pm	Level 3, Bilik Pullman 6, Pullman Kuala Lumpur City Centre Hotel	Ir. Hooi Wing Chuen	1/1	CSETD	
	Bengkel Semakan dan Penyediaan Senarai Semakan Untuk Scaffolding (CIS 22) & Falsework (CIS 23)	28/08-30/08/2022 8.30 am - 5.30 pm	SCAPES Hotel, Genting Highlands	Ir. Lee Kee Bau	1/1	CSETD	
	Jemputan Menghadiri Sesi Bengkel Semakan Semula CIDB Standard Form of Contract (2000 Edition) Bil. 3 2021/2022	19/08/2022 9.00 am - 1.00 pm	Bilik Kempas, Tingkat 32, CIDB Malaysia, WTC KL.	Ir. Hooi Wing Chuen	1/1	CSETD	
(6) Confederation of Scientific and Technological Associations in Malaysia (COSTAM)							
Dialogue / Meetings:	COSTAM Council Meeting	19/08/2022 5.00 pm	Google Meet	Ir. Dr. Aidil bin Chee Tahir	0/1	CA	
	39 th Annual General meeting of The Confederation of Scientific and Technological Associations of Malaysia (COSTAM)	24/09/2022 10.30 am	Alfred Noble, Level 3, Pusat Sains Negara (PSN)	Ir. Dr. Aidil bin Chee Tahir	0/1	CA	
(7) Construction Research Institute of Malaysia (CREAM)							
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Bengkel Bagi Kajian Pembangunan Manual For IBS Content Scoring System (IBS Score) V2.0	20/09/2022 8.30 am - 5.00 pm	Bilik Sapphire 3, Sunway Putra Hotel, Kuala Lumpur	Ir. Gunasagaran a/ Kristnan	1/1	PPC	
	Bengkel Verifikasi Bagi Kajian Manual For IBS Content Scoring System (IBS Score) V2.0	01/12/2022 9.00 am - 5.00 pm	Bilik Seminar MyBIM Center, Tingkat 11, Sunway Putra Tower, 50350 Kuala Lumpur.	Ir. Gunasagaran a/ Kristnan	1/1	PPC	
(8) Dewan Bandaraya Kuala Lumpur (DBKL)							
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Sesi Pandangan Awam Garis Panduan Jabatan Kawalan Bangunan - Panduan Pengemukaan Laporan Dilapidasi (Dilapidation Report) di Wilayah Persekutuan Kuala Lumpur	09/06/2022 9.00 am - 11.30 am	Bilik Gerakan Tingkat 3, Menara DBKL 1, Jalan Raja Laut, 50350 KL	Ir. Yasotha Ramachandran Chetty	0/1	CSETD	
	Majlis Pelancaran Pelan Induk Trafik Kuala Lumpur 2040 (PITKL 2040), Jabatan Perancangan Infrastruktur, Dewan Bandaraya Kuala Lumpur	27/10/2022 10.00 am	Anjung Singgah Sana, Menara DBKL 1, Jalan Raja Laut, 50340 Kuala Lumpur.	Ir. Ong Sheng How	1/1	HTETD	
(9) Department of Standards Malaysia (DSM)							
Dialogue / Meetings:	Meeting of Technical Committee on Circular Economy (NSC Z/TC 12) Bil.1/2022	11/01/2022 10.00 am - 12.00 pm	Zoom meeting	Ir. Choo Chee Ming	1/1	ENETD	
	Meeting of Technical Committee on Circular Economy (NSC Z/TC 12) Bil.2/2022	23/08/2022 10.00 am - 12.00 pm	Function Room 1&2, MIGHT Partnership Hub, Jalan Impact, 63000 Cyberjaya, Selangor.	Ir. Dr. Teo Fang Yenn	1/1	ENETD	
	Meeting of Technical Committee on Wet Fire Protection System (NSC M/TC 3) Bil. 1/2022	24/03/2022 9.30 am - 12.30 pm	Google Meet	Ir. Thin Choon Chai	1/1	FAB	
	Meeting of Technical Committee on Wet Fire Protection System (NSC M/TC 3) Bil. 2/2022	29/06/2022 9.30 am - 1.00 pm	Bilik Mesyuarat IAF, Aras 5, Jabatan Standard Malaysia (JSM), Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Thin Choon Chai	1/1	FAB	
	Meeting of Technical Committee on Steel Bars, Wire Rods and Wire Products (NSC P/TC 6) Bil. 1/2022	14/06/2022 9.30 am	Zoom meeting	Ir. Chong Chee Meng	1/1	CSETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Meeting of Technical Committee on Steel Bars, Wire Rods and Wire Products (NSC P/TC 6) Bil. 2/2022	16/08/2022 10.00 am - 4.00 pm	Kuala Lumpur	Dr. Anizahyati	1/1	CSETD	
	Meeting of Technical Committee on Bricks and Blocks (TC/D/13) Bil. 1/2022	13/04/2022 10.00 am - 12.30 pm	Google Meet	Dr. Sudharshan Naidu	1/1	CSETD	
	Meeting of Technical Committee on Bricks and Blocks (TC/D/13) Bil. 2/2022	15/06/2022 10.00 am - 12.30 pm	Google Meet	Dr. Sudharshan Naidu	1/1	CSETD	
	Meeting of Technical Committee on Bricks and Blocks (TC/D/13) Bil. 3/2022	12/10/2022 2.30 pm - 4.00 pm	Bayu 1 & Bayu 2, Movenpick Hotel & Convention Centre KLIA	Dr. Sudharshan Naidu	1/1	CSETD	
	Meeting of Technical Committee on Fire Properties of Building Materials (NSC M/TC 6) Bil. 1/2022	14/04/2022 9.30 am - 1.00 pm	Google Meet	Ir. Loo Chee Kin	1/1	FAB	
	Meeting of Technical Committee on Fire Properties of Building Materials (NSC M/TC 6) Bil. 2/2022	31/10/2022 9.30 am - 1.00 pm	Bilik Mesyuarat IAF, Aras 5, Jabatan Standard Malaysia (JSM), Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Loo Chee Kin	1/1	FAB	
	Meeting of Technical Committee on Steel for Structural Purpose (NSC P/TC 3) Bil. 1/2022	31/05/2022 9.30 am - 1.00 pm	Zoom meeting	Ir. David Ng Shiu Yuen	1/1	CSETD	
	Meeting of Technical Committee on Lighting, Lamps and Accessories (TC/S/3) Bil. 1/2022	08/06/2022 9.30 am	Bilik IAF, Aras 5, Jabatan Standard Malaysia Cyberjaya & Google Meet	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Lighting, Lamps and Accessories (TC/S/3) Bil. 2/2022	10/08/2022 9.30 am	Bilik ISO, Aras 6, Jabatan Standard Malaysia, Cyberjaya.	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Lighting, Lamps and Accessories (TC/S/3) Bil. 3/2022	09/11/2022 9.30 am - 1.00 pm	Bilik ISO, Aras 6, Jabatan Standard Malaysia, Cyberjaya.	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Lightning Protection (TC/E/13) Bil. 1/2022	30/06/2022 9.30 am	Jabatan Standard Malaysia, Cyberjaya	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Lightning Protection (TC/E/13) Bil. 2/2022	22/09/2022 9.30 am - 1.00 pm	Jabatan Standard Malaysia, Cyberjaya	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Lightning Protection (TC/E/13) Bil. 3/2022	17/11/2022 9.30 am	Bilik IAF, Aras 5, Jabatan Standard Malaysia Cyberjaya	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Technical Committee on Passive Fire Safety Design (NSC M/TC 2) No. 1/2022	08/07/2022 9.30 am - 12.00 pm	Bilik Mesyuarat WTO, Aras 4, Jabatan Standard Malaysia (JSM), Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Thin Choon Chai	1/1	FAB	
	Meeting of Technical Committee on Risk Management (NSC 25/TC8) Bil. 1/2022	21/07/2022 10.00 am - 12.00 pm	Google Meet	Ir. Dr. Nor Azhar	1/1	PMTD	
	Meeting of Technical Committee on Clean Agent Fire Extinguisher Systems (NSC M/TC 5) No. 1/2022	12/08/2022 9.30 am - 12.15 pm	Bilik Mesyuarat ISO, Aras 6, Jabatan Standard Malaysia (JSM), Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Hee Choi Ir. Cha Hoong Kum	1/1 1/1	FAB FAB	
	Meeting of Technical Committee on Safety of Household and Similar Electrical Appliances NSC 19/TC 5 (TC/S/5) Bil. 2/2022	24/08/2022 9.30 am	Bilik ISO, Aras 6, Jabatan Standard Malaysia, Cyberjaya.	Ir. Lim Kim Ten Ir. Lee Cheng Pay	0/1 0/1	EETD EETD	
	Meeting of Technical Committee on Dry Fire Protection System (NSC M/TC 1) Bil. 1/2022	15/09/2022 9.30 am - 12.30 pm	Bilik Mesyuarat WTO, Aras 4, Jabatan Standard Malaysia (JSM), Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Thin Choon Chai	1/1	FAB	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Meeting of Technical Committee on Smart Manufacturing (NSC 19/TC 15) Bil. 1/2022	20/09/2022 9.30 am	Bilik ISO, Aras 6, Jabatan Standard Malaysia, Cyberjaya.	Ir. Prof. Dr. Tan Chee Fai	1/1	EETD	
	Meeting of Technical Committee on Smart Manufacturing (NSC 19/TC 15) Bil. 3/2022 & Bengkel Implementing Industry 4.0 with IEC/ISO Standards: A Quick Review Session	24/11 & 9/12/2022 9.00 am - 4.30 pm	Board Room, Level 2, MIGHT, Cyberjaya, Selangor	Ir. Prof. Dr. Tan Chee Fai	0/1	EETD	
	Technical Visit & Meeting of Technical Committee on Pipeline Transportation (NSC 08/TC 7) Bil. 2/2022	20/10/2022 9.00 am - 4.30 pm	Wasco Coatings Malaysia Sdn Bhd (Pipe Coating Plant, Kuantan Pahang	Ir. Sylvia Presenna a/p Samuel Inbaraj	0/1	CETD	
	Meeting of Technical Committee on Plastics and Plastics Products (NSC 10) Bil. 1/2022	29/11/2022 10.00 am - 12.30 pm	Bilik Mesyuarat, Jabatan Standard Malaysia	Ir. Dr. Lee Tin Sin	1/1	CETD	
	Meeting of Technical Committee on Smoke Management (NSC 13/TC 4) Bil. 1/2022	04/11/2022 9.30 am - 12.00 pm	Google Meet	Ir. Daniel Lim Kim Chuan	1/1	FAB	
				Ir. Tan Chew	1/1	FAB	
	Meeting of Technical Committee on Plastics Pipes and Fittings (NSC 10/TC 2) Bil. 1/2022	23/11/2022 9.30 am - 12.00 pm	Bilik Mesyuarat ISO, Aras 6, Jabatan Standard Malaysia (JSM), Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Ung Ah Hock	0/1	BSTD	
	Meeting of Technical Committee Code of Practice for Medical Devices and Healthcare Facilities (TC/18/10)	08/12/2022 9.30 am - 1.00 pm	Zoom meeting	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Working Group on Design of Fastenings for Use in Concrete (WG/D/21-7) Bil. 1/2022	17/01/2022 11.00 am - 1.00 pm	Zoom meeting	Ir. Ng Beng Hooi	1/1	CSETD	
	Meeting of Working Group on Metal Equipment For Falsework And Propping (WG/D/4-5) Bil.1/2022	25/01/2022 9.30 am - 12.30 pm	Zoom meeting	Ir. Tu Yong Eng	1/1	CSETD	
	Meeting of Working Group on Metal Equipment For Falsework And Propping (WG/D/4-5) Bil.2/2022	30/06/2022 10.00 am - 12.30 pm	Google Meet	Ir. Tu Yong Eng	1/1	CSETD	
	Meeting of Working Group on UHPFRC Structures (WG/D/21-8) Bil. 1/2022	26/01/2022 2.30 pm - 4.30 pm	Zoom meeting	Ir. Dr. Kwong Kok Zee	1/1	CSETD	
	Meeting of Working Group on UHPFRC Structures (WG/D/21-8) Bil. 2/2022	25/04/2022 2.30 pm - 4.30 pm	Zoom meeting	Ir. Dr. Kwong Kok Zee	1/1	CSETD	
	Meeting of Working Group on UHPFRC Structures (WG/D/21-8) Bil. 3/2022	21/06/2022 2.30 pm - 4.30 pm	Google Meet	Ir. Dr. Kwong Kok Zee	1/1	CSETD	
	Meeting of Working Group on Smoke and Heat Control Systems (WG/M/4-3) Bil. 1/2022	28/01/2022 9.30 am - 12.00 pm	Zoom meeting	Ir. Yim Hon Wa	1/1	FAB	
	Meeting of Working Group on Smoke and Heat Control Systems (WG/M/4-3) Bil. 2/2022	13/12/2022 9.30 am - 12.00 pm	Google Meet	Ir. Yim Hon Wa	0/1	FAB	
	Meeting of Working Group on Smoke and Heat Control Systems (WG/M/4-3) Bil. 2/2022	26/05/2022 9.30 am - 1.00 pm	Bilik Mesyuarat ISO, Aras 6, Jabatan Standard Malaysia (JSM), Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Yim Hon Wa	0/1	FAB	
	Meeting of Working Group on Cables (WG/E/15-1) Bil. 1/2022	17/02/2022 9.30 am	Zoom meeting	Mr. Chan Chi Yen	1/1	EETD	
	Meeting of Working Group on Cables (WG/E/15-1) Bil. 2/2022	26/05/2022 9.30 am	Google Meet	Mr. Chan Chi Yen	1/1	EETD	
	Meeting of Working Group on Cables (WG/E/15-1) Bil. 3/2022	20/07/2022 10.00 am	Bilik ISO, Aras 6, Jabatan Standard Malaysia, Cyberjaya.	Mr. Chan Chi Yen	1/1	EETD	
	Meeting of Working Group on Cables (WG/E/15-1) Bil. 4/2022	21/09/2022 9.30 am	Bilik ISO, Aras 6, Jabatan Standard Malaysia, Cyberjaya.	Mr. Chan Chi Yen	1/1	EETD	
	Meeting of Working Group on Protection Relay Devices (WG/E/7-5) Bil. 1/2022	23/03/2022 9.30 am - 1.00 pm	Google Meet	Ir. Lim Kim Ten	1/1	EETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Meeting of Working Group on Protection Relay Devices (WG/E/7-5) Bil. 3/2022	21/06/2022 9.30 am	Bilik ISO, Aras 6, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Working Group on Protection Relay Devices (WG/E/7-5) Bil. 4/2022	23/08/2022 9.30 am	Bilik ISO, Aras 6, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Chong Chew Fan	1/1	EETD	
	Meeting of Working Group on Protection Relay Devices (WG/E/7-5) Bil. 5/2022	18/10/2022 9.30 am	Bilik ISO, Aras 6, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Chong Chew Fan	1/1	EETD	
	Meeting of Working Group on Fire Rated Lift Landing Doors (NSC M/TC 6/WG 1) Bil. 1/2022	01/04/2022 9.30 am	Google Meet	Ir. Loo Chee Kin	1/1	FAB	
	Meeting of Working Group on Fire Rated Lift Landing Doors (NSC M/TC 6/WG 1) Bil. 2/2022	20/05/2022 9.30 am - 12.30 pm	Pusat Penyelidikan Kebommbaan (PUSPEK) Lengkuk Teknologi Kawasan Perindustrian Bandar Enstek, 71760 Nilai, Negeri Sembilan	Ir. Loo Chee Kin	0/1	FAB	
	Meeting of Working Group on Renewable Energies (TC/E/8) Bil. 1/2022	11/05/2022 10.30 am - 1.00 pm	Google Meet	Ir. Alex Looi Tink Huey	1/1	EETD	
	Meeting of Working Group on Renewable Energies (TC/E/8) Bil. 2/2022	03/08/2022 3.00 pm - 5.00 pm	Jabatan Standard Malaysia, Bilik Mesyuarat ISO, Tingkat 6, Menara 2, Menara Cyber Axis	Ir. Alex Looi Tink Huey Ir. Kwok Yew Hoe	1/1 0/1	EETD EETD	
	Meeting of Working Group on Functional Safety of Electrical/Electronics/Programmable Electronics Safety-Related Systems (WG/S/0-4) Bil. 1/2022	13/05/2022 10.00 am	Google Meet	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Working Group on Functional Safety of Electrical/Electronics/Programmable Electronics Safety-Related Systems (WG/S/0-4) Bil. 2/2022	09/08/2022 9.30 am	Google Meet	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Working Group on High Voltage Switchgear, Controlgear and Assemblies (WG/E/7-1) Bil. 1/2022	02/06/2022 9.30 am - 1.00 pm	Google Meet	Ir. Ng Win Siau	1/1	EETD	
	Meeting of Working Group on High Voltage Switchgear, Controlgear and Assemblies (WG/E/7-1) Bil.2/2022	04/08/2022 9.30 am	Bilik ISO, Aras 6, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Ng Win Siau	1/1	EETD	
	Meeting of Working Group on Guideline for Pipeline Life Extension Study (WG/H/7-7) Bil. 1/2022	02/06/2022 9.30 am - 1.00 pm	Zoom meeting	Ir. Lee Chang Quan	1/1	OGMTD	
	Meeting of Working Group on Guideline for Pipeline Life Extension Study (NSC 08/TC 7/ WG 7) Bil. 2/2022	13/10-14/10/2022 9.30 am - 5.30 pm	Bilik Mesyuarat Aras 8, Hotel Ibis Kuala Lumpur City Centre	Ir. Lee Chang Quan	1/1	OGMTD	
	Meeting of Working Group on Code of Practice for Glass (WG/D/9-6) Bil. 1/2022	07/06/2022 10.00 am - 12.30 pm	Bilik Mesyuarat Utama, Tingkat 3, Menara DBKL 3	Ir. Tu Yong Eng	0/1	CSETD	
	Meeting of Working Group on Portable Fire Extinguisher (NSC M/TC 5/WG 1) Bil. 1/2022	20/06/2022 9.30 am - 1.00 pm	Bilik Mesyuarat IAF, Aras 5, Jabatan Standard Malaysia (JSM), Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Cha Hoong Kum	1/1	FAB	
	Meeting of Working Group on Portable Fire Extinguisher (NSC M/TC 5/WG 1) Bil. 2/2022	13/10/2022 9.30 am - 1.00 pm	Bilik ISO, Aras 6, Jabatan Standard Malaysia, Cyberjaya.	Ir. Cha Hoong Kum	1/1	FAB	
Meeting of Working group on Solar Photovoltaic System (NSC E/TC 8/WG 1) Bil. 1/2022	20/06/2022 9.30 am	Bilik London, Aras 7, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Roger Wong Chin Weng	0/1	EETD		

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Meeting of Working group on Solar Photovoltaic System (NSC E/TC 8/WG 1) Bil. 2/2022	17/08/2022 9.30 am	Jabatan Standards Malaysia, Bilik ISO Aras 6	Ir. Roger Wong Chin Weng	0/1	EETD	
	Meeting of Working group on Solar Photovoltaic System (NSC E/TC 8/WG 1) Bil. 3/2022	15/11/2022 9.30 am	Bilik ISO, Aras 6, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Roger Wong Chin Weng	0/1	EETD	
	Meeting of Working Group on Road Lighting (WG/S/3-3) Bil. 2/2022	28/06/2022 9.30 am - 1.00 pm	Menara Cyber Axis (Cyber Axis Tower), Jalan Impact, 63000 Cyberjaya	Ir. Chong Chew Fan	1/1	EETD	
	Meeting of Working Group on Road Lighting (WG/S/3-3) Bil. 3/2022	03/08/2022 9.30 am	Bilik ISO, Aras 6, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Chong Chew Fan	1/1	EETD	
	Meeting of Working Group on Road Lighting (NSC 19/TC 3/WG 3) Bil. 4/2022	26/09/2022 9.30 am	Bilik ISO, Aras 6, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Chong Chew Fan	1/1	EETD	
	Meeting of Working Group on Road Lighting (NSC 19/TC 3/WG 3) Bil. 4/2022	04/11/2022 9.00 am - 1.00 pm	Google Meet	Ir. Chong Chew Fan	1/1	EETD	
	Meeting of Working Group on Circuit Breaker & Similar Equipment for Household Use (NSC E/TC 5/WG 1) Bil. 1/2022	19/07/2022 9.30 am	Bilik ISO, Aras 6, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Lee Cheng Pay	0/1	EETD	
	Meeting of Working Group on Circuit Breaker & Similar Equipment for Household Use (NSC E/TC 5/WG 1) Bil. 2/2022	27/09/2022 9.30 am	Bilik ISO, Aras 6, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Lee Cheng Pay	1/1	EETD	
	Meeting of Working Group on Explosion Suppression Systems (NSC M/TC 2/WG 1) No. 1/2022	14/07/2022 9.30 am - 1.00 pm	Bilik ISO, Aras 6, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Loo Chee Kin	0/1	FAB	
	Meeting of Working Group on Explosion Suppression Systems (NSC M/TC 2/WG 1) No. 2/2022	07/12/2022 9.30 am - 1.00 pm	Google Meet	Ir. Loo Chee Kin	1/1	FAB	
	Meeting of Working Group on Explosion Suppression Systems (NSC M/TC 2/WG 1) No. 2/2022	10/08/2022 9.30 am - 1.00 pm	Bilik Mesyuarat London, Aras 7, Menara 2, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor	Ir. Loo Chee Kin Ir. Gary Lim Eng Hwa	0/1 1/1	FAB FAB	
	Meeting of Working Group on Electrical Appliances for Air Conditioning and Refrigerating Appliances (NSC 19/TC 5/WG 4) Bil. 1/2022	20/10/2022 10.00 am	Bilik ISO, Aras 6, Menara Cyber Axis, Jalan Impact, 63000 Cyberjaya, Selangor.	Ir. Lee Cheng Pay	0/1	EETD	
	Mesyuarat Pre - Delegasi ISO/TC 210/WG 7 - Good Engineering Maintenance Management bagi draf ISO/WD 5137	25/01/2022 9.30 am	Zoom meeting	Ir. Lim Kim Ten	1/1	EETD	
	Mesyuarat Pre-Delegasi (Online) bagi Mesyuarat Antarabangsa ISO/TC 210/WG 7 - Good Engineering Maintenance Management ke - 19	15/06/2022 2.30 pm	Zoom meeting	Ir. Lim Kim Ten	1/1	EETD	
	Meeting of Jawatankuasa Kebangsaan Standard NSC D - Building, Construction and Civil Engineering Bil. 1/2022	23/03/2022 10.00 am - 12.00 pm	Bilik Diamond, Sektor Pembangunan Teknologi, Tingkat 23, Sunway Putra Tower, No. 100, Jalan Putra, 50350 Kuala Lumpur, Federal Territory of Kuala Lumpur	Ir. Tu Yong Eng	1/1	CSETD	
	Meeting of Jawatankuasa Kebangsaan Standard NSC D - Building, Construction and Civil Engineering Bil. 2/2022	12/08/2022 9.30 am - 12.30 pm	Bilik Diamond, Sektor Pembangunan Teknologi, Tingkat 23, Sunway Putra Tower, No. 100, Jalan Putra, 50350 Kuala Lumpur, Federal Territory of Kuala Lumpur	Ir. Tu Yong Eng	1/1	CSETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Meeting of Jawatankuasa Kebangsaan Standard NSC D - Building, Construction and Civil Engineering Bil. 3/2022	15/12/2022 9.30 am - 1.00 pm	Sunway Putra Hotel, Jalan Putra, Kuala Lumpur	Ir. Tu Yong Eng	1/1	CSETD	
	Meeting of Jawatankuasa Kebangsaan Standard Berkenaan Information Technology, Communication and Multimedia (NSC G) Bil. 1/2022	22/04/2022 10.00 am - 1.00 pm	Google Meet	Ir. Yasser Asrul bin Ahmad	1/1	ICTSIG	
	Meeting of National Standards Committee on Petroleum and Gas (NSC H) Bil. 1/2022	25/05/2022 9.00 am - 1.00 pm	Zoom meeting	Ir. Ahmad Rafidi	0/1	OGMTD	
	Taklimat Ringkas bagi persediaan Mesyuarat Jawatankuasa Antarabangsa ISO	27/04/2022 10.00 am	Google Meet	Ir. Thin Choon Chai	1/1	FAB	
	Meeting of ISO/TC 83 Sports and Other Recreational Facilities and Equipment	23/06/2022 4.00 pm	Hybrid	Mr. Nor Azilan Jaafar	1/1	METD	
	Meeting of International Electrotechnical Commission System of Conformity Assessment Schemes for Electrotechnical Equipment and Components Certification Management Committee (IECEE CMC)	22/06-23/06/2022 9.00 am - 5.00 pm (Canada Time)	Hybrid	Ir. Lee Cheng Pay	0/1	EETD	
	Pre-Delegation Meeting for the Technical Committee Meeting of The International Organization for Standardization Regarding Fasteners (ISO/TC 2)	17/10/2022 2.30 pm - 4.30 pm	Zoom meeting	Ir. Dr. Abdul Azim bin Abdul Rahman	1/1	METD	
				Dr. Lim Chin Seong	0/1	METD	
				Mr. Nor Azilan bin Jaafar	0/1	METD	
				Dr. Lim Chin Seong	1/1	METD	
	Plenary Meeting of ISO/TC 2 "Fasteners"	28/10/2022 as schedule	Web Meeting Milan, Italy	Mr. Nor Azilan bin Jaafar	1/1	METD	
				Mr. Liew Chee Leong, Ricky	0/1	METD	
				Ir. Dr. Abdul Azim bin Abdul Rahman	1/1	METD	
				Ir. Alan Chan Teck Wai	1/1	FAB	
	Meeting of National Standard Committee on Fire Safety (NSC M) Bil. 1/2022	28/09/2022 2.30 pm - 5.00 pm	Bilik Tanjung, Aras G, Ibu Pejabat, Jabatan Bomba dan Penyelamat Malaysia (JBPM), Presint 7, 62250 Putrajaya.	Ir. Loo Chee Kin	1/1	FAB	
Ir. Kwok Yew Hoe				0/1	EETD		
Meeting of National Standard Committee on Electrical and Electronics Equipment and Accessories (NSC 19) Bil. 1/2022	06/10/2022 9.30 am	Bilik ISO, Aras 6, Jabatan Standard Malaysia, Cyberjaya.	Mr. Alex Looi Tink Huey	0/1	EETD		
			Ir. Thin Choon Chai	1/1	FAB		
Taklimat Ringkas bagi Persediaan Mesyuarat Jawatankuasa Antarabangsa ISO/TC 21/SC 5 Fixed Firefighting Systems Using Water	18/10/2022 10.00 am - 11.30 am	Google Meet	Ir. Thin Choon Chai	1/1	FAB		
Meeting of Standard Committee on Metallic Materials and Semi Finished Products (NSC P) Bil. 1/2022	03/11/2022 10.00 am - 1.00 pm	Zoom meeting	Ir. Tu Yong Eng	1/1	CSETD		
Meeting of Standard Committee on Occupational Safety and Health (NSC 23) Bil. 1/2022	07/12/2022 10.00 am	Standard Malaysia, Cyberjaya	Ir. Irin binti Ismail	1/1	SESIG		
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan ke Bengkel Pembangunan Malaysian Standard (MS) Hospital bed Lifts - Specification	11/08-12/08/2022 8.00 am - 5.00 pm	Doubletree by Hilton, Kuala Lumpur	Ir. Wong Win Heng	0/1	BSTD	
				Ir. Lim Kim Ten	0/1	EETD	
	Jemputan Bengkel Pembangunan Deraf Malaysians Standard (MS) Berkenaan Explosion Suppression Systems	16/08-17/08/2022 8.30 am - 5.30 pm	Hotel Tenera, Bangi, 43650 Bandar Baru Bangi, Selangor	Ir. Loo Chee Kin	1/1	FAB	
				Ir. Gary Lim Eng Hwa	1/1	FAB	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Bengkel Pembangunan Deraf Malaysian Standard (MS) Berkenaan Semakan Semula MS 1181:1990 Recharging Fire Extinguishers Part 1 & Part 2	22/09-23/09/2022 8.30 am - 5.30 pm	Bilik Seminar 1, Pusat Penyelidikan Kebommbaan (Puspek), Lengkuk Teknologi Kawasan Perindustrian Bandar Enstek, 71760 Nilai, Negeri Sembilan	Ir. Gary Lim Eng Hwa Ir. Cha Hoong Kum Ir. Dr. Hee Choi	0/1 0/1 0/1	FAB FAB FAB	
	Sesi Dialog Bersama Jawatankuasa Teknikal Code of Practice for Design Of Concrete Structure (NSC 04/ TC 21) Bagi Mempertimbangkan Pembangunan Standard Untuk Produk Inovatif (Starbar) Yang Digunakan Dalam Struktur Binaan Konkrit	21/09/2022 10.00 am	Bilik Mesyuarat Utama, Tingkat 34, Menara DBKL 3, Jalan Raja Abdullah, Bandar Wawasan, 50300 Kuala Lumpur	Ir. Dr. Kwong Kok Zee	0/1	CSETD	
	Seminar MS ISO 31000:2020 Risk Management- Guidelines (First Revision)	20/10/2022 9.00 am - 5.00 pm	Hotel Sama-Sama, KLIA Sepang	Ir. Dr. Nor Azhar bin Mohd Arif Ir. Dr. Harris bin Abd. Rahman Sabri	1/1 0/1	PMTD PMTD	
	Jemputan Ke Sesi Santai Bersama Pengerusi Jawatankuasa Standard Kebangsaan Berkaitan Building, Construction and Civil Engineering (NSC 04)	15/12/2022 9.30 am - 1.00 pm	Sunway Putra Hotel, Jalan Putra, Kuala Lumpur	Ir. Lee Kee Bau Ir. Prof. Dr. Jeffrey Chiang Choong Luin Ir. Hooi Wing Chuen Ir. David Ng Shiu Yuen	0/1 0/1 0/1 0/1	CSETD CSETD CSETD CSETD	
	(10) IKRAM QA Services Sdn. Bhd.						
Dialogue / Meetings:	Mesyuarat Certification Advisory Committee (CAC) IKRAM QA Bil. 19 1/2022	23/03/2022 10.00 am - 12.30 pm	Bangi Resort Hotel, Bandar Baru Bangi, Selangor	Ir. Lai Sze Ching	1/1	PPC	
	Mesyuarat Certification Advisory Committee (CAC) IKRAM QA Bil. 20 2/2022	06/10/2022 2.30 pm - 4.30 pm	Park Inn by Radisson Hotel Putrajaya	Ir. Lai Sze Ching	1/1	PPC	
(11) Jabatan Alam Sekitar (JAS)							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Pemandu Bil. 1/2022 Bagi Projek RMK-12: Pengukuhan Dasar dan Perundangan Alam Sekitar - Kajian Pembentukan Lembaga Alam Sekitar (Environmental Board)	08/02/2022 2.30 pm	Bilik Mesyuarat Kenanga, JAS & Google Meet	Ir. Teoh Boon Lai Ir. Abd. Rahman Kadir	0/1 0/1	ENETD ENETD	
	Mesyuarat Jawatankuasa Pemandu Bil. 2/2022 Bagi Projek RMK-12: Pengukuhan Dasar dan Perundangan Alam Sekitar - Kajian Pembentukan Lembaga Alam Sekitar (Environmental Board)	13/04/2022 2.30 pm	Google Meet	Ir. Teoh Boon Lai Ir. Abd. Rahman Kadir	1/1 1/1	ENETD ENETD	
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Bengkel Libat Urus Industri Sektor Pemadaman Api Bagi Penyediaan Kigali Implementation Plan	28/09/2022 8.30 am - 12.00 pm	Hotel GENO, Shah Alam	TBA	0/1	FAB	
(12) Jabatan Bomba & Penyelamat Malaysia / Fire and Rescue Department Malaysia							
Dialogue / Meetings:	Majlis Perundingan Jabatan Bomba dan Penyelamat Malaysia Bersama Badan Profesional Bilangan 1/2021	07/03/2022 9.30 am	Bilik Tanjung, Ibu Pejabat JBPM, Lebuhr Wawasan, Putrajaya	Ir. Wong See Foong	1/1	FAB	<i>postponed from 22 Dec 2021, 17 Jan 2022 & 17 Feb 2022</i>
(13) Jabatan Kerja Raya Malaysia (JKR)							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) BIL.1/2022	10/02/2022 9.30 am	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	1/1 1/1	GETD GETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
Dialogue / Meetings:	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) BIL.2/2022	24/02/2022 9.30 am	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	1/1 1/1	GETD GETD	
	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) BIL.3/2022	21/03/2022 9.30 am	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	1/1 1/1	GETD GETD	
	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) BIL.4/2022	07/04/2022 9.30 am - 12.30 pm	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	1/1 0/1	GETD GETD	
	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) BIL.5/2022	22/04/2022 9.30 am - 12.30 pm	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	1/1 1/1	GETD GETD	
	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) BIL.6/2022	25/05/2022 9.30 am - 12.30 pm	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	1/1 0/1	GETD GETD	
	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) BIL.7/2022	16/06/2022 9.30 am - 1.00 pm	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	1/1 0/1	GETD GETD	
	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) BIL. 8/2022	16/08/2022 9.30 am - 1.00 pm	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	1/1 0/1	GETD GETD	
	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) BIL. 9/2022	23/09/2022 9.30 am - 1.00 pm	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	1/1 0/1	GETD GETD	
	Mesyuarat Jawatankuasa Kecil Menyemak Dan Mengemaskini Dokumen Teknikal Jalan - JKR Standard Specification for Road Works Section 17: Site Investigation (JKR/SPJ/2013-S17) - Semakan & Ulasan Dokumen Teknikal Geological Mapping & Geophysics Survey	14/11/2022 9.30 am	Google Meets	Ir. Yee Thien Seng Ir. Mak Wai Kin	0/1 0/1	GETD GETD	
	(14) Jabatan Kerajaan Tempatan (JKT)						
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Ke Sesi Jalinan Mesra Bersama Ketua Pengarah Jabatan Kerajaan Tempatan (JKT)	26/05/2022 9.00 am	Bilik Media, Aras 1, Kementerian Perumahan dan Kerajaan Tempatan, No. 51, Persiaran Perdana, Presint 4, 62100 Putrajaya.	Ir. Gunasagaran a/ Kristnan	1/1	PPC	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
(15) Jabatan Perdana Menteri							
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri Majlis Perasmian dan Sesi Makmal Sifar Projek Sakit Anjuran Unit Penyelarasan Pelaksanaan, Jabatan Perdana Menteri (ICU JPM)	07/06-09/06/2022 9.30 am - 12.00 pm	Majlis Perasmian: Taming Sari Grand Ballroom Royale Chulan Hotel Kuala Lumpur	Ir. Mohd Khir bin Muhammad	1/1	Excomm	
		07/06-09/06/2022 2.30 pm - 10.00 pm	Sesi Makmal: Bilik Mesyuarat Tingkat 1 Royale Chulan Hotel Kuala Lumpur	Ir. Dr. Nor Azhar bin Mohd Arif Assoc. Prof. Dr. Abd. Rahman bin Abdul Rahim	1/1 1/1	PMTD PMTD	
(16) Kementerian Kerja Raya (KKR)							
Dialogue / Meetings:	E-READI_EU-ASEAN Dialogue on Eurocodes	05/07-06/07/2022 9.00 am	Online	Ir. Gunasagaran a/ Kristnan	1/1	PPC	
(17) Kementerian Sains, Teknologi Dan Inovasi (MOSTI)							
Dialogue / Meetings:	Jemputan ke Mesyuarat Jawatankuasa Kerja Teknikal Minggu Sains Negara 2022 Bil. 1	15/02/2022 2.30 pm	Bilik Mesyuarat Transformasi MOSTI, Aras 3, Blok C5, Kompleks C, MOSTI	Ir. Mah Siew Kien	1/1	Excomm	
		23/03/2022 11.00 am - 12.00 pm	Zoom Meeting	Ir. Amir Hussein bin Jaafar	0/1	Excomm	
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan ke Bengkel Perancangan Strategik Minggu Sains Negara 2022	27/01-28/01/2022 8.30 am - 6.00 pm	Dewan Besar AELB, Block C, Lembaga Perlesenan Tenaga Atom, Kementerian Sains, Teknologi dan Inovasi, Batu 24, Jalan Dengkil, 43800 Dengkil, Selangor	Ir. Mah Siew Kien	1/1	Excomm	
		09/08/2022 11.00 am	Bilik Mesyuarat PSTI, Aras 5, Blok C5, MOSTI	Ir. Dr. Lohgheswary a/p Nagarethinam	1/1	E2TD	
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan Menghadiri Perbincangan Berkaitan Pelaksanaan Minggu Sains Negara Keluarga Malaysia 2022 - Bidang Fokus Kejuruteraan	01/11-02/11/2022 9.00 am - 5.00 pm	Bilik Lily I, Aras 1, Bangi Resort Hotel, Bandar Baru Bangi	Ir. Prof. Dr. Tan Chee Fai	1/1	Excomm	
		01/11-02/11/2022 9.00 am - 5.00 pm	Bilik Lily I, Aras 1, Bangi Resort Hotel, Bandar Baru Bangi	Ir. Dr. Siow Chun Lim	1/1	EETD	
(18) Kementerian Tenaga dan Sumber Asli (KETSA)							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Teknikal Penggubalan Akta Kecekapan dan Konservasi Tenaga (Elektrik dan Termal) Serta Peraturan-Peraturan di Bawahnya Bil. 1/2022	04/11/2022 3.00 pm - 5.00 pm	Bilik Mutiara, Aras 13, Wisma Sumber Asli, KeTSA	Ir. Francis Xavier Jacob	1/1	EETD	
(19) Kementerian Perumahan dan Kerajaan Tempatan (KPKT)							
Dialogue / Meetings:	Mesyuarat Penyelarasan Isu-Isu bagi Urusan Pelan Pemajuan di Pihak Berkuasa Tempatan (PBT) bersama Badan Profesional	28/07/2022 9.00 am	Bilik Mesyuarat Akuamarin, Aras 29, Jabatan Kerajaan tempatan, Aras 25, No. 51, Persiaran Perdana, Presint 4, Putrajaya	Ir. Gunasagaran a/ Kristnan	1/1	CA	
				Ir. Chen Harn Shean	1/1	CA	
(20) Malaysia Green Building Confederation (MalaysiaGBC)							
Dialogue / Meetings:	13 th e-Annual General Meeting (e-AGM) of malaysiaGBC	11/06/2022 10.00 am	Zoom Meeting	Ir. Yau Chau Fong	1/1	ACT	
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	IGEM 2022 Conference on Race Towards Net Zero with MalaysiaGBC Carbon Score	14/10/2022 9.00 am - 1.00 pm	KLCC Hall 6A	Ms. Sumeshini a/p Subramaniam	1/1	ENETD	

Organiser	Title	Date / Time	Venue	Representatives	Attendance	Committee	Remarks
(21) Malaysia Productivity Corporation (MPC)							
Dialogue / Meetings:	Online Pre-Council Meeting: PEMUDAH National Forum on Science, Technology, Engineering and Mathematics (STEM)	13/05/2022 3.00 pm	Zoom Meeting	Ir. Sukhairul Nizam	1/1	ACT (STEM)	
	Mesyuarat Kumpulan Kerja Teknikal Urusan Mendapatkan Permit Pembinaan (TWGDPCP) Bil. 1/2022	10/06/2022 9.30 am - 12.00 pm	Zoom Meeting	Ir. Gunasagaran a/l Kristnan	1/1	CA	
	Special Discussion on the Progress of TWGDPCP Initiatives	14/09/2022 10.00 am	Microsoft Teams	Ir. Gunasagaran a/l Kristnan	1/1	CA	
	Meeting of TWGGE No. 1/2022	21/09/2022 9.30 am - 11.00 am	Microsoft Teams	Ir. Lee Cheng Pay	0/1	EETD	
	Discussion on the Establishment of PEMUDAH's Focus Group on Compliance Cost	03/10/2022 10.30 am - 12.30 pm	Microsoft Teams	Ir. Lai Sze Ching	1/1	PPC	
Meeting of Focus Group Capacity Building Meeting No. 1/2022	14/11/2022 9.00 am	MPC Petaling Jaya	Ir. Gunasagaran a/l Kristnan	1/1			
(22) Pejabat Setiausaha Kerajaan Negeri Selangor, Bahagian Unit Pengurusan Bencana Negeri Selangor							
Dialogue / Meetings:	Mesyuarat Jawatankuasa Pengurusan Bencana Negeri Bil. 2/2022 - Menghadapi Monsun Timur Laut 2022/2023	19/09/2022 9.00 am	Bilik Mesyuarat MTES, Tingkat Bawah, Bangunan SSAAS	En. Azahari bin Md. Rejab	1/1	DRRAB	
(23) Suruhanjaya Perkhidmatan Air Negara (SPAN)							
Dialogue / Meetings:	Mesyuarat JAKPen Utama Bil.1/2022	13/01/2022 9.30 am - 12.00 pm	Microsoft Teams Meeting	Ir. Elias Saidin Ir. Kamalesen	0/1 0/1	WRTD	
	Mesyuarat JAKPen Utama Bil.2/2022	10/03/2022 2.30 pm - 4.30 pm	Microsoft Teams Meeting	Ir. Elias Saidin	1/1	WRTD	
	Mesyuarat Jawatankuasa Teknikal Projek Bil. 1/2022 Bagi Pembangunan Dokumen Malaysian Sewerage Industry Guideline (MSIG) Volume 1 - Planning Principles and Tools	05/12/2022 9.30 am	Bilik Mesyuarat Wilayah Persekutuan, Aras 1, Prima 7, Ibu Pejabat SPAN	Ir. Sreedaran a/l Raman	1/1	WRTD	
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Jemputan ke Majlis Pelancaran Garis Panduan Teknikal Seragam Untuk Reka Bentuk Loji Rawatan Air Serta Komponen Berkaitan Sistem Bekalan Air	10/02/2022 2.00 pm	Hotel Pulse Grande, Putrajaya	Dato' Ir. Mohd Azmi bin Ismail	1/1	WRTD	
	Jemputan Ke Majlis Rundingan Awam Bersama Penggiat Industri - Cadangan Pindaan Peraturan -Peraturan Industri Perkhidmatan Air (KWSMP) 20XX	07/06/2022 8.30 am - 1.00 pm	Hotel Zenith, Putrajaya	Ir. C. Kamalesen a/l Chandrasekaran Ir. Dr. Wong Wai Sam	1/1 1/1	WRTD WRTD	
(24) Suruhanjaya Tenaga (ST)							
Conferences/Events / Forums / Lectures / Seminars / Talks / Trainings / Workshop:	Pencalonan Bagi Kumpulan Kerja Untuk Pembangunan Bank Soalan Peperiksaan Transisi Pengurus Tenaga Elektrik (REEM) Dibawah EMEER 2008 Ke Pengurus Tenaga Berdaftar (REM) Dibawah EECA	27/05-29/05/2022 8.30 am - 5.00 pm	Bangi Resort Hotel, Bandar Baru Bangi, Selangor	Ir. Chong Chew Fan	1/1	EETD	
	Program Seminar Garis Panduan Pendawaian bagi Pemanas Air Elektrik Anjuran Suruhanjaya Tenaga (ST) Pejabat Kawasan Selangor & WP (KL & PUTRAJAYA)	17/10/2022 8.30 am - 1.00 pm	The Armada Petaling Jaya Hotel, Lot 6, Lorong Utara C, Section 52, 46200 Petaling Jaya, Selangor.	Ir. Lim Kim Ten Ir. Roger Wong Chin Weng Ir. Lee Cheng Pay Ir. Ng Win Siau	1/1 1/1 1/1 1/1	EETD EETD EETD EETD	


ENGINEERING HALL OF FAME


 KEJURUTERAAN "HALL OF FAME"

2009	
Allahyarham Tan Sri Ir. Hj. Yusoff bin Ibrahim	: IEM Founding Member and 1 st 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 st 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 nd 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 st Malaysian to become President of World Federation of Engineering Organisations (WFEO). The 2 nd Malaysian to Chair Commonwealth Engineering Council (CEC).
2019	
Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. 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.



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
2019	Ir. Kwong Kok Zee	2021
2021	Ir. Kwong Kok Zee	2022

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
2019	Petroleum Nasional Berhad (PETRONAS)	2021
2021	Tenaga Nasional Berhad (TNB)	2022

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
2019	Ir. Gopal Narian Kutty	2021
2021	Ir. Lim Kim Ten	2022

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
2019	Jabatan Kerja Raya Malaysia (JKR)	2021
2021	Tenaga Nasional Berhad (TNB)	2022

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
2019	Schneider Electric Industries (M) Sdn Bhd	2021
2021	Wise Pro Sdn Bhd	2022


IEM OUTSTANDING ENGINEERING ACHIEVEMENT AWARD
Penganugerahan Pencapaian Kejuruteraan Cemerlang IEM


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

Year	Recipients and Projects
1999	<p>Kuala Lumpur International Airport Berhad Atas Projek Lapangan Terbang Antarabangsa Kuala Lumpur di Sepang (For the Construction of the Kuala Lumpur International Airport, Sepang)</p>
2000	<p>Sistem Transit Aliran Ringan Sdn. Bhd. (STAR) dan Projek Usahasama Transit Ringan Automatik Sdn. Bhd. (PUTRA) Atas Pembinaan Sistem Transit Ringan di Lembah Klang (For the Construction of the Light Rail Transit Systems in the Klang Valley)</p>
2001	<p>Maju Holdings Sdn. Bhd. Menara 1 Maju Perdana – Pencakar Langit Pertama Menggunakan Keluli Buatan Malaysia (Perdana Tower 1 – The First All Malaysia Steel High Rise)</p>
2003	<p>Road Builder (M) Sdn. Bhd. Atas Pembinaan Jambatan Kabel 300m Seri Saujana (On The Construction of Seri Saujana 300m Cable-Stayed Arch Bridge (BR-8) in Putrajaya)</p>
2004	<p>Perunding Mahir Bersatu Sdn. Bhd. gabungan bersama (jointly with) Sinclair Knight Merz Engineering Sdn. Bhd. Atas Rekabentuk Struktur Pusat Konvensyen Antarabangsa Putrajaya (On The Structural Design of Putrajaya International Convention Centre)</p>
2005	<p>M.E.I. Consultants Sdn. Bhd. Atas Kejayaannya Menyiapkan dan Merekabentuk Peralatan Stevian Bioteknikal di Enstek, Negeri Sembilan (On The Successful Design and Completion of Stevian Biotechnology Facilities in Enstek, Negeri Sembilan)</p>
2006	<p>Zelan Construction Sdn. Bhd. Atas Pembentung Luahan Air Pendingin untuk Penjana Kuasa Arang Batu 3 x 700 mw di Tanjung Bin, Johor (On the Cooling Water Discharge Culvert for 3x700 mw Coal Fired Power Plant in Tanjung Bin, Johore)</p>
2007	<p>Multimedia University Malaysia Atas Peranan sebagai Universiti Swasta pertama di Malaysia untuk memberi pendidikan kejuruteraan berkualiti (On Its Role as the First Private University in Malaysia in Providing Quality Engineering Education)</p>
2008	<p>T & T Konsult Sdn. Bhd. Atas Rekabentuk, Pembinaan dan Operasi Tapak bagi Projek Pelupusan Sisa Pepejal Sanitary Bukit Tagar (On the Design, Construction and Operation of Bukit Tagar Sanitary Landfill Project)</p>
2010	<p>Syarikat Mengurus Air Banjir & Terowong Sdn. Bhd. dan Jabatan Pengairan dan Saliran Atas Pembinaan & Rekabentuk Projek SMART (on the Construction and Design of SMART Tunnel Project)</p>
2012	<p>M.E.I. Project Engineers Sdn. Bhd. Atas Kejayaan Menyiapkan dan Merekabentuk Peralatan untuk Kejuruteraan, Perolehan, Pengurusan, Pembinaan (EPCM) untuk 127-Ekar Kilang Solar “AUO Sunpower” di Solar Valley Melaka, Taman Perindustrian Rimbia, Alor Gajah, Melaka dengan Keupayaan Pengeluaran Tahunan melebihi 1GW Puncak “Panel Suria Yang 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’)</p>
2014	<p>Ikhmas Jaya Sdn. Bhd. 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)</p>
2017	<p>Shell Projects and Technology, Malaysia Atas kejayaan dalam rekabentuk dan pembinaan projek “Malikai Deepwater Tension Leg Platform” (On the successful design and construction of the Malikai Deepwater Tension Leg Platform Project)</p>

Year	Recipients and Projects
2021	TRX City Sdn. Bhd. Atas kejayaan dalam rekabentuk dan pembinaan Sewerage Treatment Plant (STP) - The First Private Waste-water and Recycling Plant for the International Financial District, Tun Razak Exchange (TRXC) (On the successful design and construction of the Sewerage Treatment Plant (STP) - The First Private Waste-water and Recycling Plant for the International Financial District, Tun Razak Exchange)
	KEN Holdings Berhad Atas kejayaan dalam rekabentuk dan pembinaan Menara Ken TTDI (On the successful design and construction of Menara Ken TTDI)

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

Year	Recipients
1989	Y.Bhg. Tan Sri Dato' Ir. (Dr.) Shamsudin bin Abdul Kadir Executive Chairman, Sapura Holdings Sdn. Bhd.
1990	Ir. Hong Lee Pee Director and Chief Executive, Pilecon Engineering Bhd.
1993	Y.Bhg. Dato' Ir. Prof. Dr. Muhammad Ridzuan bin Hj. Salleh Vice Chancellor, Universiti Teknologi Malaysia
1994	Y.Bhg. Tan Sri Dato' Ir. (Dr.) Wan Abdul Rahman bin Yaacob President, Board of Engineers, Malaysia concurrently Director-General of Public Works Department, Malaysia
1995	Y.Bhg. Tan Sri Dato' Ir. Hj. Shahrizaila bin Abdullah Director-General, Department of Irrigation and Drainage
1996	Y.Bhg. Dato' Dr. Ir. Ahmad Tajuddin bin Ali Director-General, Standards and Industrial Research Institute of Malaysia
1997	Y.Bhg. Dato' Ir. Zaidan bin Hj. Othman Executive Chairman, Time Telecommunications Sdn. Bhd. concurrently Executive Vice Chairman, Kinta Kellas Public Limited Company
1999	Y.Bhg. Tan Sri Dato' Ir. Omar bin Ibrahim President, Board of Engineers Malaysia concurrently Director-General of Public Works Department
2000	Y.A.Bhg. Tengku Datuk Ir. Dr. Mohd Azzman Shariffadeen bin Tengku Ibrahim President and Chief Executive Officer of MIMOS Berhad
2002	Y.Bhg. Dato Paduka Ir. Prof. (Dr.) Hj. Keizrul bin Abdullah Director-General, Department of Irrigation and Drainage
2003	Y.Bhg. Tan Sri Dato' Ir. Hj. Zaini bin Omar Director-General, Public Works Department
2005	Y.Bhg. Tan Sri Dato' Ir. Muhammad Radzi bin Hj. Mansor Chairman, Telekom Malaysia Berhad
2006	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong President of World Federation of Engineering Organisations and Past President, IEM
2007	Y.Bhg. Dato' Sri Ir. Prof. Dr. Wahid bin Omar President of BEM and concurrently Director- General of Public Works Department
2010	Late Ir. Chiam Teong Tee Past President of IEM
2021	Ir. Prof. Dr. Mohd Azlan bin Hussain For his project entitled "Automated Self-cleaning Solar Powered Mobile Ultrafiltration System for Clean Water Supply"

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
2016	Waste Water Management Ekovest Berhad
	Transportation Gamuda Berhad
	Energy Pestech International Berhad
	Property Development Sunway Integrated Properties Sdn Bhd
2017	Water Taliworks Corporation Berhad
	Property Development Eco World Development Group Berhad
	Construction Ekovest Berhad
	Water IJM-JAKS Joint Venture
2018	Energy Malaysia LNG Sdn. Bhd.
	Transportation RAPID RAIL Sdn. Bhd.
	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.
2019	Consultancy Engineering Practice One Smart Engineering Sdn. Bhd.
	Material & Proprietary System TenCate Geosynthetics Asia Sdn. Bhd.
	Facilities Management UEM Edgenta Berhad
2021	Power and Energy Gading Kencana Sdn. Bhd.
	Construction & Property Development Cemseal Industries Sdn. Bhd.
	Consultancy Engineering Practice Sepakat Setia Perunding
	Water Industry Bacteria Free Water Engineering (M) Sdn. Bhd.
	Power Energy & Green Technology Industry Berjaya Enviroparks Sdn. Bhd.
2022	Engineering Consultancy Practices (ECP) Afrima Consulting Engineer Sdn. Bhd.
	Construction & Property Development KLCC Projek Sdn. Bhd.
	Digital Industry Centre of Excellence (COE) Petronas Carigali Sdn. Bhd.
	Power Energy & Green Technology Industry Samaiden Group Berhad
2022	Engineering Consultancy Practices (ECP) M.E.I. Consultants Sdn. Bhd.
	Digital Industry BIM Engineering Solution & Technology Sdn. Bhd. <i>(formerly known as PLYTEC Engineering)</i>
	Asset Management - Industries OPUS International (M) Berhad
	Asset Management - Materials & Production Inari Amerton Berhad



IEM SPECIAL MERIT AWARD
Anugerah Merit Khas



Year	Recipient and Project
2013	Minconsult Sdn Bhd 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. Em. 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
2021	Ir. Dr. Lai Khin Wee	– Academic Award
2022	Dr. Ong Chong Yong	– Industry Award

THE ASEAN OUTSTANDING ENGINEERING ACHIEVEMENT AWARD
Penganugerahan Kejuruteraan ASEAN

Year	Recipients and Projects	Awarded in
1994	Tenaga Nasional Berhad (<i>Organiser- Pertubuhan Ukur, Jurutera dan Arkitek</i>) [PUJA] The Design and Construction of Sultan Salahuddin Abdul Aziz Power Station Phase II Project	Bandar Seri Begawan, Brunei Darussalam
1995	Y.Bhg. Tan Sri Dato' Ir. (Dr.) Shamsuddin Abdul Kadir (<i>Organiser – The Institution of Engineers, Indonesia</i>)[PII]	Bandung, Indonesia

Year	Recipients and Projects	Awarded in
1996	Malaysian Resources Corporation Berhad (<i>Organiser – The Institution of Engineers, Malaysia</i>)[IEM] The Construction of the SEGARI Power Station	Malacca, Malaysia
1997	Jabatan Kerja Raja (<i>Organiser – The Engineering Institute of Thailand</i>)[EIT] The Role of the Public Works Department, Malaysia in National Development	Chiangmai, Thailand
1998	Malaysian Institute of Microelectronic Systems (<i>Organiser – The Philippines Technological Council</i>)[PTC] Its Role in the Development of Microelectronics and Information Technology	Angeles City, Philippines
1999	K. L. International Airport Berhad (<i>Organiser – The Institution of Engineers, Singapore</i>)[IES] The Construction of the Kuala Lumpur International Airport	Raffles City, Singapore
2000	Projek Usahasama Transit Ringan Automatik Sdn. Bhd. (PUTRA) (<i>Organiser – Vietnam Union of Science and Technological Associations</i>)[VUSTA] The Construction of the Light Rail Transit System 2	Hanoi, Vietnam
2001	Y.Bhg. Tan Sri Dato' Hj. Ir. Zaini bin Omar (<i>Organiser – Pertubuhan Ukur, Jurutera an Arkitek</i>)[PUJA]	Bandar Seri Begawan, Brunei Darussalam
2001	Y.Bhg. Academician Dato' Ir. Lee Yee Cheong (<i>Organiser – Pertubuhan Ukur, Jurutera dan Arkitek</i>)[PUJA]	Bandar Seri Begawan, Brunei Darussalam
2002	Y.Bhg. Dato' Paduka Ir. Prof. (Dr.) Hj. Keizrul bin Abdullah (<i>Organiser – Engineering Institute of Cambodia</i>)[EIC]	Phnom Penh, Cambodia
2005	MEI Consultants Sdn Bhd (<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	Perunding Mahir Bersatu Sdn. Bhd. jointly with Sinclair Knight Merz Engineering Sdn. Bhd. (<i>Organiser – The Institution of Engineers, Malaysia</i>)[IEM] On The Structural Design of Putrajaya International Convention Centre	Kuala Lumpur, Malaysia
2006	Fraser and Neave Berhad (<i>Organiser – The Institution of Engineers, Malaysia</i>)[IEM] For Zon-e @ Fraser Biz Park Development	Kuala Lumpur, Malaysia
2007	Multimedia University Malaysia (<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	Y.Bhg. Dato' Ir. Dr. Gue See Sew (<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	T & T Konsult Sdn. Bhd. (<i>Organiser – The Engineering Institute of Thailand</i>)[EIC] On the Design, Construction and Operation of Bukit Tagar Sanitary Landfill Project	Bangkok, Thailand
2010	Ir. Choo Kok Beng (<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	Syarikat Mengurus Air Banjir & Terowong Sdn Bhd and Department of Irrigation and Drainage [JPS] (<i>Organiser- Pertubuhan Ukur, Jurutera dan Arkitek</i>) [PUJA] On the Construction and Design of SMART Tunnel Project	Bandar Seri Begawan, Brunei Darussalam
2012	M.E.I. Project Engineers Sdn. Bhd. (<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

Year	Recipients and Projects	Awarded in
2014	Ikhmas Jaya Sdn. Bhd. On the successful Design and Innovativeness of the Double Tracking Swing Bridge in Prai	Yangon, Myanmar
2015	Jambatan Kedua Sdn Bhd (<i>Organiser – The Institution of Engineers, Malaysia</i>)[IEM] On the successful Design and Construction of the Second Penang Bridge Project	Penang, Malaysia
2015	PPAMPS, Ministry of Energy, Green Technology and Water Malaysia (<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	Jabatan Bekalan Air KETTHA and Angkasa Consulting Services Sdn. Bhd. (<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	Perbadanan Bekalan Air Pulau Pinang Berhad (<i>Organiser – The Institution of Engineers, Malaysia</i>)[IEM] For the Design and Construction of the Sungai Dua Water Treatment Plant	Penang, Malaysia
2015	Y.Bhg. Dato Wong Siew Hai (<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
2017	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik (<i>Organiser – The Engineering Institute of Thailand</i>)[EIT] For the successful Design and Construction of the Malikai Deepwater Tension Leg Platform Project	Bangkok, Thailand
2017	Shell Projects and Technology, Malaysia (<i>Organiser – The Engineering Institute of Thailand</i>)[EIT] For the successful Design and Construction of the Malikai Deepwater Tension Leg Platform Project	Bangkok, Thailand
2022	TRX City Sdn. Bhd. On the successful design and construction of the Sewerage Treatment Plant (STP) - The First Private Wastewater and Recycling Plant for the International Financial District, Tun Razak Exchange	Phnom Penh, Cambodia



FEIAP ENGINEER OF THE YEAR AWARD
Penganugerahan Jurutera Tahunan FEIAP



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



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



Year	Recipients and Projects
2003	Y.Bhg. Dato' Paduka Ir. Prof. (Dr.) Hj. Keizrul bin Abdullah Y.Bhg. Dato' Ir. Batumalai a/l Ramasamy Ir. Mohd. Azhari bin Ghazali 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	Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik

**MINUTES OF 63rd ANNUAL GENERAL MEETING OF
THE INSTITUTION OF ENGINEERS, MALAYSIA
HELD ON 16 APRIL 2022 VIA VIRTUAL MODE AT 9.00AM**

MEMBERS PRESENT – AS PER APPENDIX A

1.0 OPENING ADDRESS BY THE PRESIDENT

1.1 The President, Ir. Ong Ching Loon called the AGM to order at 9.00am as the required quorum of 100 had been met. The President reported that there were more than 300 members attending at that time both physical and online.

He welcomed the members to the 63rd Annual General Meeting (AGM) held for the third time via virtual platform. The President thanked the members for attending the AGM indicating that with the AGM being held virtually, it had allowed members from not only the Klang Valley but all over the country to join the AGM and this was an advantage. The President also updated members that there were 662 members who attended the AGM the year before signifying that the virtual AGM did not dampen members enthusiasm in participating in the AGM.

In order to adhere to the Standard Operating Procedures (SOPs), the Honorary Secretary was then invited to brief the AGM on the Rules/Procedures of Conducting the AGM virtually as follows:

- (i) Due to the constraints of the virtual platform, only a number of questions would be allowed. However, contrary to last year, IEM had improved on the arrangement where members would be able to pose their questions verbally;
- (ii) only a grace period of 10 minutes would be allowed for a maximum of 5 questions for every segment. Members would need to click on the “raise hand” icon and the IT staff would turn on the microphone for the member to speak. The member would need to provide his/her name and membership number clearly before proceeding to pose the question.
- (iii) Alternatively, for members who do not wish to speak, he/she could type the question into the “chat box”. The question would be posted onto the screen for the rest of the members to see before a response is given.

The Honorary Secretary thanked the members for their attention and thereafter handed over the meeting back to the President. The President then presented the overall reports/updates from April 2021 to April 2022 as follows:

1.2 Updates on IEM for Session 2021/2022

1.2.1 *Meetings with the Ministries*

The President had attended the following meeting with the various Ministries:

- (i) *“Mesyuarat Pre Council Tech Deployment Task Force”* at the Ministry of Science, Technology and Innovation on 12 July 2021
- (ii) *“High Technology National Council meeting”* at the Ministry of Science, Technology and Innovation on 5 August 2021
- (iii) *“Special Meeting of the High Technology National Council”* on 7 December 2021

1.2.2 *International Meetings*

The AGM noted that the President also attended the following international meetings virtually:

- (i) 17th NABEEA Council meeting & General Assembly on 15 June 2021
- (ii) IEA Meetings (APEC & IPEA, IETA & AIET) from 21-25 June 2021
- (iii) ITA General Assembly on 30 June 2022
- (iv) 29th FEIAP General Assembly on 15 July 2021
- (v) CAFEO39 hosted by PUJA from 29 November to 3 December 2021
- (vi) Mid Term AFEO Governing Board Meeting from 5-7 August 2021
- (vii) ICE UK Roundtable on 29 September 2021
- (viii) CEC Meeting on 28 February 2022
- (ix) WFEO General Assembly from 8-10 March 2022

1.2.3 **MoU**

The President further reported on the signing of the Memorandum of Understanding between IEM with the following institutions/organisations:

- (i) Politeknik Ungku Omar on 20 October 2021
- (ii) Malaysia Association of Local Authorities on 3 December 2021
- (iii) IET Malaysia Network on 21 January 2022
- (iv) Penang Skills Development Centre on 3 March 2022
- (v) Association of Malaysia Airlines Licensed Engineers on 19 March 2022

1.2.4 **Position Paper and Press Statement**

The AGM was informed that IEM had issued press statements on various issues as follows:

- (i) "Nip Alarming Trends of Mishaps at Mega Project Sites"
- (ii) "Stopping Future Landslides"
- (iii) "All Recent Accidents Must be Reviewed to Ensure Proper Mitigation Plans"

1.2.5 **Special Activities**

The President further reported on the following special activities that had been organised via virtual platform:

- (i) First Virtual Technical Visit to Institut Teknologi Petroleum, Petronas (Instep) on 12 October 2021
- (ii) MyAERO '21 – 9th November 2021 Collaboration with National Aerospace Coordinating Office (NAICO)
- (iii) Minggu Sains Negara event in Negeri Sembilan on 5 September 2021
- (iv) Opening ceremony of the Women Engineers Conference 2022 in Penang on 4 March 2022
- (v) World Engineering Day – organised by MRANTI – presented a pre-recorded speech on 4 March 2022
- (vi) Opening Ceremony of ENGINEER2022 on 17 March 2022
- (vii) Opening Ceremony of IESE – Electrotechnical Symposium on 17 March 2022
- (viii) Engineer Business Cocktail on 17 March 2022
- (ix) Opening Ceremony of Symposium on Water Hazards and Security – IR.4.0 on 18 March 2022
- (x) Opening Ceremony of the Project Management Conference 2022 - The Future of Project Management 18 March 2022
- (xi) IEM Convention and ENGINEER 2022 successfully held from 17-19 March 2022 which will bring a revenue of RM200,000 to IEM. The President also requested members to mark their diaries for the next ENGINEER and IEM Convention scheduled from 6-9 September 2023

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 62nd AGM held on 17 April 2021*
2. *Matters Arising from the 62nd Annual General Meeting held on 17 April 2021*
3. *Presentation of Honorary Secretary's report*
4. *Presentation of Financial Statements for the Year ended 31 December 2021*
5. *Questions Submitted by members*
6. *Presentation of the Results of Election for Council Session 2022/2023*
7. *Presentation of Awards*
8. *Presidential Address for Session 2022/2023*

Since there was no objection to the Agenda, Ir. David Lai Kong Phooi (F09917) proposed the acceptance of the agenda which was seconded by Dato' Ir. Hj. Ahmad Murad bin Omar (F04741).

The President then proceeded with the 63rd Annual General Meeting proper.

3.0 CONFIRMATION OF MINUTES OF 62nd ANNUAL GENERAL MEETING HELD ON 17 APRIL 2021

The President invited the members to go through the minutes of the previous AGM which was printed on pages 52 until page 64. The AGM was also requested to go through the attendance list from pages 65 to 70 and the Bahasa Malaysia version which was on pages 71 to 83.

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

Since there were no errors highlighted in the minutes, Ir. Gin Teang Wah (M13957) proposed that the minutes of the 62nd Annual General Meeting held on 17 April 2021 be confirmed and adopted. The motion was seconded by Ir. Wong Chee Fui (F20903).

4.0 MATTERS ARISING

The President then provided clarifications on the following items raised at the 62nd Annual General Meeting held on 17 April 2021:

4.1 Page 59 - Item 6.9.1

There was a comment raised that the facilities at Wisma IEM were under utilized and that there is a need to look into the ROI as IEM had spent RM200,000 for the renovations done.

Excomm had decided that to rent out the ground floor for other catering/café operators would not be a good idea as it would mean outsiders are allowed to enter the building. There will be issues of cleanliness, security and parking.

The intention of D'Place at the ground floor is to provide for a more conducive environment and bigger space for members attending IEM functions to have food. Previously the room at the 2nd floor was too small and many a time could not appropriately accommodate the participants attending IEM's technical talks or courses.

Excomm had therefore decided not to rent out the facilities as it is supposed to be for IEM members' use.

The AGM was also informed that improvement to the facilities of Wisma IEM was also intended to attract better tenants to the other available areas. The President cited the rather handsome revenue generated from rental in 2020 of approximately RM800,000. He also added that the Standing Committee on Finance had launched a new programme called the upLIFE which will look into further improvements to both Wisma IEM and Bangunan Ingenieur so as to provide better facilities for tenants and IEM members.

Ir. Yap Soon Hoe (F04086) who had raised this issue at the last AGM took note of the explanation but raised the issue of the relocation of the Library. He had been informed of Excomm's decision not to relocate the Library and wished to know the rationale for that decision as he pointed out that the IEM Library had been facing perennial problem such as flooding and leaking. He commented that since there is a Mezzanine floor that can be used at Wisma IEM, it would be a good time to consider moving the Library to Wisma IEM. With the café facilities at the ground floor, he was of the opinion that members could borrow books and browse through at the ground floor. He requested the AGM to seriously consider the relocation of the Library to Wisma IEM.

The President informed the AGM that the Excomm is already looking into the possibility of relocating the Library to the Mezzanine floor of Wisma IEM. The Excomm is also considering extending the existing space on the Mezzanine floor so that the whole Library can be moved over and to provide a more conducive environment to the members. But currently, IEM had engaged a Structural Engineer to check the structural load that the Mezzanine floor can take before further action is taken.

Ir. Yap Soon Hoe also requested for a mandate to be given to Excomm to complete this within the year.

Y.Bhg. Academician Tan Sri Ir. Prof. Em. Dr. Chuah Hean Teik (HF09157) agreed that there is a need to provide better facilities to members but felt that there would be quite a bit of issues to consider. Therefore, to insist on a completion date within the year, he proposed that the matter be left to Council and Excomm to discuss.

The President thanked Academician Tan Sri Ir. Prof. Em. Dr. Chuah for his comments and assured the AGM that the new Council and Excomm will definitely look into the points raised.

5.0 ANNUAL REPORT FOR SESSION 2021/2022

The President then invited the Honorary Secretary, Ir. Assoc. Prof. Dr. David Chuah Joon Huang to present the various activities and events organised in 2021 which was printed on pages 90-141 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 2021/2022, the Council had four (4) Council meetings. The Council at their meetings discussed matters related to policy as well as management of properties and affairs of the Institution.

Excomm had thirteen (13) normal meetings and three (3) Special meetings for the Session 2021/2022 mainly to implement and carry out the decisions of the Council. The Honorary Secretary informed that normally Excomm would meet monthly but for the session 2021/2022, there were three (3) special meetings arranged to discuss matters of urgency.

It was further noted that the Council meetings were held virtually but Excomm meetings reverted to fully physical.

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

Up to 31 December 2021, a total of 3,177 candidates were approved for admission/election/transfer to the various grades. Out of the new members recruited, 1,553 were students. However, at the end of the year, 3,036 members were in arrears compared to 3,401 in 2020. The overall total of IEM membership as at 1 March 2022 was 46,634.

On the international front, the breakdown was as follows; 12 candidates were registered for APEC & IntPE, 12 for ASEAN Engineers (AE), 15 for Associate ASEAN Engineers (AAE) and one (1) for Associate Engineering Technologist.

In terms of breakdown of membership by grades, the Honorary Secretary further informed that Student membership had the highest percentage at 54.2% followed by Members (23.5%), Graduate (19%), Fellow (1.7%) and the other grades such as Incorporated, Affiliate and Associate were 1.6%.

As for the breakdown in terms of the major engineering disciplines, Civil had the highest percentage with 33%, followed by Mechanical (25%), Electrical (15%), Electronic (9%) and Chemical (7%).

5.4 Professional Interview

The AGM noted that for session 2021/2022, a total of 197 candidates applied to sit for the Professional Interview (PI). It was further noted that 106 candidates have passed whereas 21 failed the PI.

5.5 IEM Publication

The Honorary Secretary informed the AGM that twelve (12) issue of the "Jurutera" – IEM Bulletin had been published for the year 2021.

The Electronic Jurutera, which is readable without having to download, had been implemented and sent by email blast to members every month. The AGM was also informed that members who wished to have hardcopies of the Jurutera could collect from the IEM HQ office.

It was further reported that one (1) issue of the Journal had been published and uploaded on the IEM website.

5.6 IEM Activities 2021

The Honorary Secretary reported that there were altogether 290 events held for Session 2021/2022. These events included webinar talks (248), technical visits (4), courses and seminars (36), virtual conference (1) and symposium (1).

5.7 Members' Benefits

The AGM was informed that more merchants had been signed to include additional benefits for the IEM Loyalty Card such as KyBUN Shoes and Menara Optometry. IEM is in negotiation with EON for merchant discounts for PROTON cars.

New merchants secured included Heriot Watt University Malaysia which provides to all IEM members as well as their spouse and children who enrol in all taught postgraduate programmes offered at Heriot-Watt Malaysia Campus, a 10% bursary-based discount on published tuition fees.

IEM is also in discussion with Bank Islam to offer financial assistance to IEM members especially to those who have lost their employment or reduced monthly income. Products offered include personal financing, house financing, SME etc.

5.8 IEM Webinars

The AGM was informed that a total of 600 webinars were conducted since the start of the pandemic in March 2020 until March 2022. 53,505 members and non-members attended these webinars which generated RM813,264 in revenue to IEM. For the year 2021 alone, income generated from webinars was RM590,930

The Electrical Engineering Technical Division was the leader in organising the most number of webinars followed by the Oil, Gas and Mining Technical Division and Civil and Structural Engineering Technical Division.

5.9 IEM Mobile App

The Honorary Secretary further reported that approximately 31,800 members had given consent to be subscribed to the IEMGo mobile app. Members will be able to get the latest Jurutera and Journal, information on Upcoming events and Circulars as well as latest notifications.

New features coming up included Community Chat Groups, Business Cards and the IEM Loyalty Card in electronic format. Additional features currently being explored included checking of CPD records and Special discounts from IEM merchants.

5.10 IEM Guidelines for the Industry

During the session 2021/2022, IEM published two sets guidelines as follows:

- Guideline on Testing and Commissioning of Fire Protection Systems
- Guideline on Flood Abatement Equipment – Engineering Guide of Designation, Testing and Documentation

Guideline currently completed and pending review by Council is:

- IEM Guideline on the Prevention and Control of Dengue spearheaded by Dato' Ir. Lim Chow Hock

5.11 IEM CSR Activities

Initiated by Standing Committees on Welfare and Activities together with Technical Divisions and SIGs, donations in kind was collected on 25 December 2021 and delivered to the Selangor Collection Centre at Section 14, Petaling Jaya in an effort to help those affected by the floods.

IEM also started a donation drive to solicit financial assistance for IEM members affected by the floods. A total of RM7,265 was collected from generous IEM members and another RM8,000 was donated by AFRIMA Sdn Bhd. The funds were disbursed to twelve members who were affected by the floods in Klang Valley at RM1,000.00 each and the balance will be allocated for members from Branches who need assistance.

5.12 **IEM Circulars**

A total of 26 IEM circulars had been issued concerning information on incentive packages by the government, latest guidelines from government agencies and updates of reports from IEM.

Members who had missed them can refer to the IEM website.

5.13 **IETA and AIET – Engineering Technologists and Engineering Technicians**

IEM will be submitting our application for Authorised Membership at the IEA meeting in June 2022.

5.14 **Questions Session**

5.14.1 Ir. Tay Ching En, Marcus (M34906) queried on the total number of passes and failures for the Professional Interview is not equal to the number of candidates who had applied.

The Honorary Secretary explained that some candidates' results are not in yet and some are still waiting for their Interview appointment.

Since there were no further comments or questions via online and from Council members in the auditorium, Ir. Dr. Mui Kai Yin (F18773) proposed that the Annual Report be adopted. The motion was seconded by Ir. Hj. Mohd Aman bin Idris (F02176).

6.0 **ACCOUNTS FOR THE YEAR ENDED 31 DECEMBER 2021**

The President then invited the Honorary Treasurer, Ir. Fam Yew Hin to present the financial statements for The Institution of Engineers, Malaysia for the period 1 January 2021 to 31 December 2021. Ir. Fam Yew Hin informed the AGM that the accounts presented would be from pages 153 to 182.

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 Academy Sdn Bhd and IEM Academy Sdn Bhd. It was noted that the financial statements did not include the Branch accounts. The amalgamation of accounts of all Branches were presented separately on pages 183 to 184.

The AGM was also informed that the columns denoted by "Group" refers to the consolidated accounts of IEM, IEM Training Academy and IEM Academy.

6.2 The Honorary Treasurer reported that the total income for 2021 stood at RM5,039,134, a slight increase of 1.6% compared to 2020 which was RM4,960,180 .

6.3 The Honorary Treasurer further reported that there was a drop of 0.7% on the amount of the annual subscriptions collected that was 86.4% in 2021 compared to 87.1% in 2020.

6.4 Based on the comparison of income, the Honorary Treasurer further informed that there was a decrease of 3.4% in the rental income, 95% in institutional services income, 547% increase in other miscellaneous income and a 26.9% drop in arbitration levy. However, there was a drop of 25.3% and 3.4%, in Fixed Deposit interest income and credit card commission respectively.

6.5 The Honorary Treasurer further reported that the total expenses for 2021 was RM4,680,990, a reduction of 2.8% compared to 2020 which was RM4,816,193.

The main contributors to the expenses the personnel emoluments (48.6%), building maintenance (20.8%), administrative expenses (12.1%), Branch subsidies (12.3%), subscription fee written-off (4.7%) and depreciation of equipment (1%).

The AGM also noted that the savings on the expenses were mainly on the administrative portion such as on the mailing services, office printings and stationery, postage and accountancy services.

Technical Division income showed tremendous improvement achieving double the revenue of 2020. Income generated were mainly webinars organised.

- 6.6 The overall performance of the Institution was a surplus of RM358,144 for 2021 compared to deficit of RM23,414 in 2020. This was considered a tremendous improvement compared to the year 2020.

With regard to the performance of the subsidiaries, the AGM was informed that IEM Training Academy recorded a net loss of RM455,191 while IEM Academy Sdn Bhd recorded a net loss was RM217,323.

- 6.7 The AGM noted that some of the Branches had surplus income such as Kedah/Perlis, Perak, Kelantan, Terengganu, Pahang, Negeri Sembilan and Melaka.

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.

6.8 **Questions and Answers Session – Accounts**

- 6.8.1 Ir. Yap Soon Hoe (F04086) enquired whether the loss suffered by IEM Training Academy and IEM Academy were a result of the tax implication from WTC2020. The President reported that the loss was not due to the prepaid tax of WTC2020. It was mainly due to huge drop in income as a result of the pandemic. For 2021, there were 99 activities being planned but only 47% managed to proceed. Many of the courses had to be cancelled and revenue was greatly affected. For 2021, total sales was only RM210,000 compared to the previous year, there was WTC2020 which generated sales of RM3.3million. With the merger of operations for the two companies in 2021, retrenchment benefits in accordance with the law were also paid out. Besides the staff cost amounting to about RM470,000, there was also rental and other administrative expenses incurred. For 2022, the management presented a budget of RM1.2million and it is hoped that the planned activities will materialise to enable a profit of RM180,000 to be generated.

IEM Academy is currently in dormancy and in the process of finalising the accounts and to get some tax rebate specifically for IEM Academy and nothing to do with WTC2020.

As for the tax that had been prepaid for WTC2020 amounting to about RM1million, the management had met with IRB and provided the additional information which they have requested. The AGM was informed that the effort to recover the tax is still on-going.

The AGM was also informed that as far as MYCEB was concerned, they had notified IEM that the refund of the granted given by them amounting to RM165,000 is waived. The grant had been given on the basis that WTC2020 was to be organised physically and not virtually.

The President also informed the AGM that the merger of operations aimed to have a leaner staff force and reduce duplication thereby reducing operation cost.

- 6.8.2 Ir. Dr. Yeoh Hak Koon (M15203) queried on the report in the slide where income was recorded as RM5million but on page 158 of the annual report, total income recorded was different.

The President clarified that the total indicated on page 158 did not include the income from Institutional Services and Rental. Ir. Fam Yew Hin clarified that the income indicated on page 158 amounted to RM3,461,181 but there is a need to add in Rental Income on page 178 amounting to RM792,441 and Institutional Services income on page 158 amounting to RM785,512.

- 6.8.3 Ir. Ho Choon Kwang (M17178) queried on the subscription fees written off at 4.7%. The Honorary Treasurer informed that if the subscriptions is not received after one year, it will be written off. Later on, when the members come back and reinstate their membership, it is under a different category. IEM's practice has been if the members, despite receiving reminders from IEM still do not pay their subscriptions after one year, IEM will write off the outstanding amount.

- 6.8.4 Ir. Thayala Rajah (M03717) pointed out that the expenses of the Young Engineers Section (YES) were not shared in the presentation. The Honorary Treasurer informed that the information shared in the presentation as well as the report is a summary of the financial performance as it was not possible to include the detail break-down of expenses incurred by all the Committees and Technical Divisions. Nevertheless, any member who wish to have information could write in to IEM. Nevertheless, for the summary of Income and Expenses for the YES can be referred on page 181 of the annual report.

As there were no further questions from the floor as well as online, Dato' Ir. Dr. Ahmad Anuar Othman (F13148) proposed the adoption of the Financial Statements for IEM for the year ended 31 December 2021. The motion was seconded by Ir. Prof. Dr. Tan Chee Fai (F18343). The AGM then adopted the Financial Statement.

7.0 EDUCATION FUND FINANCIAL STATEMENT – 31 DECEMBER 2021

The Honorary Treasurer then continued to report on the Financial Statements of the Education Fund for the year ending 31 December 2021 from page 186 to 195.

- 7.1 The AGM was informed that donations received amounted to RM35,727 in 2021 compared to RM55,826 in 2020.
- 7.2 The Honorary Treasurer reported that where expenditure was concerned, the scholarship given out in 2021 was RM42,000.
- 7.3 The AGM was also informed that on the Education Fund recorded a deficit of RM7,746 compared to surplus of RM11,964 in 2020. For the year 2021, the Education Fund had complied with the 50% Spending Rule of Inland Revenue Board (IRB) for Tax Exempt Account.
- 7.4 As for the overall financial position of the Education Fund, the AGM noted that there was an increase of 1% for FD, Cash and Cash Equivalents amounting to RM1,881,493 whereas the Accumulated Fund was RM2,548,406 recording a decrease of 0.3% compared to 2020.

Since there were no questions from the floor, Ir. Yap Soon Hoe (F04086) proposed the adoption of the Education Fund financial statement for the year ended 31 December 2021 and the motion was seconded by Ir. Lee Cheng Pay (M36663). The AGM then adopted the Education Fund financial statement.

8.0 DISCUSSION ON WRITTEN ISSUES RECEIVED FROM MEMBERS

8.1 Issue 1

That the IEM President should not be among the nominated persons from IEM, to be considered for the five positions in the Board of Engineers Malaysia (BEM) as IEM representatives; the reason being should any issues/decisions made at BEM which are detrimental to IEM*, then the IEM President is given the flexibility to enforce a second line of defence during discussion either at Excomm or IEM Council – for the issues/decisions made at BEM to be further discussed / negotiated with BEM at President-to-President, or at Institution-to-Institution level.

*** this is assuming even with the five representatives present at BEM (voting at BEM), the majority voting at BEM level may still falls unfavourably to IEM**

The proponent of the issue, Ir. Dr Teo Fang Yenn (F26373) was invited to present the issue to the AGM.

Ir. Dr. Teo informed the AGM that the issue raised was not intended to question the President, Past or future Presidents on handling all the issues related to IEM at the BEM level. In fact, he wanted to congratulate all of them for successfully maintaining the good relationship with BEM as well as other professional organisations. The resolution put forward is to secure and protect the position of IEM. He felt that with the President should be the top representative of all the members. The President should not be amongst the nominated persons to be considered for position in the BEM due to the reason mentioned. He also highlighted that Conflict of Interest is also one of the concerns. He is raising this issue at the AGM so that the matter can be openly discussed and possibly to set up a Sub Committee led by a Past President to discuss the matter for the future of IEM.

The President related his personal experience while serving in the Board where he is able to build closer relationship with more engagement directly on the Board level, it did help IEM to champion certain issues. Personal contact and engagement with members of the Board was very effective in lobbying for issues of IEM's interest. He cited the issue of the IETA and AIET Agreements where IEM had been advocating that the said Agreements should be signed by IEM. Both himself and the Immediate Past President had put in a lot of effort to engage the Board President and the Board members for IEM to be the signatory of these two agreements. IEM was therefore successful in getting the blessing of the BEM to be the signatory of the agreements. Otherwise, with just strangers meeting for discussion, he felt that the result might not be so favourable. The President of IEM serving of the Board also accentuated the decision making process for the benefit of IEM.

The President also highlighted the issue on the Amendment of the Regulation 34 with regard to opening up the ownership of ECPs. He informed the AGM that during the discussions at the Board level, all the IEM representatives will uphold the voice of the members irrespective of the opinion of the representatives. As the IEM President sitting on the Board, he/she will also be sharing the concern of the IEM members with the Board. In view that this issue had not been discussed at the Council or Excomm level, the President suggested that the issue be brought to the Council and Excomm for discussion.

Ir. Razmahwata bin Mohamad Razalli (F17029) enquired whether it was a call for a resolution to which, the reply was that it was not. It was only a concern of a member for discussion. In addition, as a general member, he felt that this issue is best to be decided by the Excomm as they are the ones actively engaging with the BEM and all other external bodies. He felt that this issue should not be discussed further at the AGM.

Academician Tan Sri Ir. Prof. Em. Dr. Chuah Hean Teik informed the AGM that the issue of whether the IEM President should serve on the Board was not a new issue. The same proposal was adopted by Datuk Ir. Prof. Dr. Ow Chee Sheng who declined to serve on the Board when he was the President as his idea was that he can then discuss matters on the level of President to President.

He felt that whether the President being on the Board will be beneficial to IEM depends on the person who is the President; whether he/she is persuasive enough and can get along with the other Board members to achieve something for IEM.

He nevertheless felt that the matter should be discussed further at Excomm and Council for the best way forward. He highlighted that the AGM should not be making the decision because matters could change and the AGM should not be restricting the future Presidents. So long as the person can carry himself or herself well, it would be in the best interest of IEM.

Ir. Mohd Aman bin Hj Idris (F02176) informed that he had raised the same issue in Excomm a few years ago and the decision was for the President of the day to decide whether he or she wish to serve on the Board. He also pointed out that besides IEM, the ACEM President and the MySET President are also in the Board. He also commented that since the member who raised the issue is in Excomm, it would be proper for him to raise it at the Excomm and if he feels that Excomm is too small, he could raise it at the Council.

Dato' Paduka Ir. Hj. Keizrul bin Abdullah informed that he had served in the BEM a long time and represented IEM many times in a number of capacities. He felt that it was important for IEM President to be in the Board. If he/she is in the Board, he can fight for IEM and would not need a second line of defence.

Ir. Tu Yong Eng (M15448) pointed out that to have close relationship, the President does not need to be in the Board and can still have a President to President relationship.

Dato' Ir. Lim Chow Hock responded that it should be the pre-rogative of the President of the day whether he/she should sit on the Board. He suggested that mandate be given to the Council and Excomm to decide on this matter.

The AGM agreed that mandate be given to Excomm/Council to discuss this matter.

8.2

Issue 2

IEM shall uphold the standards of assessment and examination for Malaysian Professional Engineers. The lives, safety, health and welfare of the general public are dependent upon engineering judgments, decisions and practices carried out by Professional Engineers. Therefore, the Professional Engineer title and recognition can only be given to engineers who are technically competent.

The Malaysian Professional Engineer status has long been recognised internationally. IEM as a signatory of IPEA/APEC agreement, has been working hard to promote our Professional Engineer internationally and enable international mobility for our practicing engineers.

IEM shall ensure the following requirements in the current PEng assessment in Malaysia to be maintained, if not enhanced.

- i. Technical Report. This is a very important document because it will present one of the applicant's past engineering projects in detail (complete with design calculations, specifications and drawings).**
- ii. Minimum requirements to reflect on engineering site and design experience. This is also an important criteria as it measures the minimum expectations of a graduate engineer in practicing engineering as a career choice prior to applying to be a Professional Engineer.**
- iii. Written technical essay examination. This requirement sets the standard of competency in communicating thoughts and ideas of technical expertise through written form in a clear, precise and succinct manner.**

Removal, replacement or dilution of these requirements will have implications on the standards of our Malaysian Professional Engineers. We have to make sure that only engineers who are technically competent and adhering to professional ethics deserve the PEng title and recognition. Otherwise, in time, we will lose our international standing and mobility for our engineers.

The proponent of the issue, Ir. Wong Chee Fui (F20903) was invited to present the issue.

Ir. Wong informed the AGM that based on the webinars conducted by BEM, there were quite drastic changes in the new Outcome Based PAE such as omission of submission of technical report and technical essays being replaced by self-presentation by the candidate. He acknowledged that IEM had been working closely with BEM Working Group on this matter but wish to have the issues recorded so that it will be followed up to maintain the integrity and recognition of the Professional Engineers are maintained.

The President clarified that some of the requirement had caught everyone by surprise and IEM had written to BEM on the issue as well as had several meetings with the Working Group to convey IEM's concerns. He informed that immediately upon being notified of the contents of the BEM webinar on 25 February, he had requested the IEM Working Group to look into the issues. IEM had written to BEM and advocated that the technical report and essays need to be included to ensure minimum standards are being maintained. Due to the good relationship with the BEM President, the President and the Deputy President met with him on 1 April to convey the issue and he was receptive of the concerns.

Thereafter, a joint meeting was arranged between IEM representatives and the BEM Working Group on 8 April and IEM was informed that the Training & Experience report would be renamed back to Technical Report with requirement on technical aspects and also minimum requirements for the major disciplines. It was also agreed to form a Working Group to come up with the minimum standards for each of the discipline. IEM also requested for the explanatory notes be revised to reflect what has been agreed and that the technical essay will only be exempted if the candidate scored 3 points and above during the oral interview. He added that IEM will continue to pursue this issue and assured the AGM, that Council and Excomm also wish to maintain the standard of the Professional Engineers. As the Professional Engineer is also an entry requirement for the APEC and IntPE Registers for Malaysia, there is a need to ensure adherence to the equivalent standards and IEM will continue to follow up on this matter.

Ir. Lee Meng Chiat (F11358) felt that for consistency, the Proposed Outcome Based PAE and the IEM Outcome Based PI should be equally similar. Technical Report is required for the candidate to show and demonstrate his technical engineering knowledge in the competency category A and B. The technical essay is then to check that the PI candidate is clearly familiar and has done what he/she claims to have in their documents. It is not appropriate to omit the technical report and technical essay from BEM's Outcome Based PAE. On the issue of omitting competency category E, he highlighted that competency category E is not just for assessment of the code of ethics, there are also other elements. He requested the HQ to review the issue with BEM.

The President thanked him for the concerns and assured that IEM will continue to put forward the concerns to the BEM.

9.0

ANNOUNCEMENT OF THE RESULT of e-BALLOTING FOR COUNCIL 2022/2023 SESSION

The President invited the Election Officer, Y.Bhg. Dato' Paduka Ir. (Dr.) Hj. Keizrul Abdullah to announce the results of the election for the session 2022/2023.

Y.Bhg. Dato' Paduka Ir. (Dr.) Hj. Keizrul Abdullah informed the AGM that IEM introduced the Electronic Balloting system (e-Ballot) for the first time during the session 2021/2022. As one of the efforts to improve the e-Ballot, IEM conducted a survey amongst members to obtain feedback on any shortcomings or improvement needed. Based on the feedback received, IEM has enhanced certain features or contents of the system but improvement will be a continual process. Members can still send in their suggestions for us to look into and we take this opportunity to thank members who had provided their feedback via the survey.

With regards to the Council Election for Session 2022/2023, the election process started with the call for nominations for the post of Deputy President which closed on 30 October 2021 and the call for nominations for other Council vacancies which closed on 27 December 2021.

9.1 **President**

Y.Bhg. Dato' Paduka Ir. (Dr.) Hj. Keizrul Abdullah informed the AGM that in accordance with Section 5.2 of the Bylaws, the current Deputy President, Ir. Prof. Dr. Norlida binti Buniyamin, being the President-elect, will assume the office of President for the sessions 2022/2023 and 2023/2024 as the incumbent President, Ir. Ong Ching Loon completes his term of office at this AGM.

9.2 **Deputy President**

The Election Officer also informed that for the office of Deputy President, three (3) valid nominations were received. A total of 66 e-ballot papers were then sent out to all current Corporate Members in the Council. At the close of balloting on 24 December 2021, a total of 62 e-votes were received.

Two candidates received the same number of votes while the third candidate received a lower number of votes. As per Bylaws 5.20 which states "should there be an equality of votes between two candidates where there is only one (1) post to be filled, the determination of the successful candidate would be carried out by drawings of lots by the Election Officer in the presence of the Scrutineers".

Upon the drawing of lots, the successful candidate was Ir. Prof. Dr. Jeffrey Chiang Choong Luin. Thus, Ir. Prof. Dr. Jeffrey Chiang Choong Luin was duly elected to the office of Deputy President for the sessions 2022/2023 and 2023/2024.

9.3 **Council Vacancies for Session 2022/2023**

The Election Officer then 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

- Other Discipline Representative with 1 vacancy for 3 sessions

Council Member – Ordinary Representative

- 10 vacancies for 3 sessions

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

The AGM was also informed that the following offices did not require balloting as there was only one candidate:

9.4.1 ***Office of Honorary Secretary (One (1) vacancy for session 2022/2023)***

Ir. Prof. Dr. Zuhaina binti Zakaria was duly elected unopposed to the office of Honorary Secretary for one (1) Session 2022/2023.

9.4.2 The Election Officer then further explained the procedure on the following offices that required balloting:

- Vice Presidents
- Honorary Treasurer
- Council Member – Other Discipline Representative
- Council Members – Ordinary Representatives

The Election Officer informed that email and sms (for the sms, only for members residing in the country) providing access to the e-Ballot were sent to each of the 11,895 Corporate Members eligible to vote. The closing date for the casting of e-votes was 1 April 2022 at 12.00pm.

The e-Ballot was automatically closed by the system at 12.00pm on 1 April 2022. The system then sent to the Election Officer, a password to generate the results.

Using the password, the results were generated at 9.00am on 2 April 2022 in the presence of the Scrutineers Ir. Hj. Mohamed Ali Yusoff, Ir. S. Kukanesan and Ir. Prof. Dr. Zainal Abidin bin Ahmad. A total of 2,081 Corporate Members casted their e-votes. The Election Officer then proceeded to report on the election results as follows:

9.4.3 ***Office of Vice President (Three (4) vacancies for 2 sessions 2022/2023 and 2023/2024)***

There were ten (10) nominations received for the three (3) vacancies. The following three (3) candidates with the highest number of votes were duly elected to the office of Vice President for the sessions 2022/2023 and 2023/2024:

- (i) Ir. Mohd Khir bin Muhammad
- (ii) Ir. Prof. Dr. Tan Chee Fai
- (iii) Ir. Abdul Razak bin Yaacob

9.4.4 ***Office of Honorary Treasurer (One (1) vacancy for session 2022/2023)***

There were four (4) nominations received for the one (1) vacancy. The candidate, Ir. Dr. Lee Yun Fook received the highest number of votes and was duly elected to the office of Honorary Treasurer for the session 2022/2023.

9.4.5 ***Office of Council Member – Other Discipline Representative (One (1) vacancy for 3 sessions, 2022/2023, 2023/2024, 2024/2025)***

There three nominations received for this office. The candidate, Ir. Abdul Razak bin Yakob received the highest number of votes and was duly elected to the office of Council Member – Other Discipline Representative for three (3) Sessions for 2022/2023, 2023/2024, 2024/2025.

9.4.6 ***Office of Council Member – Ordinary Representative (Ten (10) vacancies for 3 sessions, 2022/2023, 2023/2024, 2024/2025)***

The Election Officer proceeded to report that there were twenty-one (21) nominations received and the following ten (10) candidates with the highest number of votes were duly elected to the Office of Council Member – Ordinary Representative for 3 sessions, 2022/2023, 2023/2024 and 2024/2025):

- (i) Ir. Rusnida binti Talib
- (ii) Ir. Prof. Dr. Lau Hieng Ho
- (iii) Ir. Muhammad Azmi bin Ayub
- (iv) Ir. Fam Yew Hin
- (v) Ir. Abdul Razak bin Yakob
- (vi) Ir. Mohd Khir bin Muhammad
- (vii) Ir. Razmahwata bin Mohamad Razalli
- (viii) Ir. Simon Yeong Chin Chow
- (ix) Ir. Dr. Chan Seong Phun
- (x) Ir. Yam Teong Sian

The Election Officer then congratulated all the successful candidates.

9.4.7 The AGM was further informed that the election exercise covered a period of about five (5) months and the total cost was RM5,117.20 (cost of sending SMS) excluding IEM staff cost. The total number of e-ballot links emailed out to members this year was 11,895.

From the number of e-ballots returned, there is an improvement compared to the year before (17.5% compared to 13.1%). Nevertheless, it meant that 83% of the eligible Corporate Members still did not cast their votes. The Election Officer informed the AGM that he and the Scrutineers will work with the IEM Secretariat to carry out a post-mortem and to look at ways to increase this figure in future elections.

The Election Officer also shared some statistics pertaining to the IEM Elections for the last ten years as follows:

Year	No of ballot papers issued	Returned	% Returned	RM
2013	9,476	1,513	15.97	17,697.78
2014	9,698	1,319	13.6	19,328.84
2015	9,637	1,730	17.95	19,510.70
2016	9,776	1,712	17.5	22,733.83
2017	10,480	1,801	17.17	26,656.46
2018	10,580	1,706	16.12	28,157.11
2019	11,542	1,711	14.82	28,380.40
2020	12,033	1,657	13.7	40,511.05
2021	12,122	1,584	13.1%	2,385.00
2022	11,895	2,081	17.5%	5,117.20

9.4.8 The Election Officer then thanked the Scrutineers, Ir. Prof. Dr. Zainal Abidin bin Ahmad, Ir. Hj. Mohd Ali Yusoff and Ir. S. Kukanesan for their valuable assistance. The Election Officer also thanked the Secretariat for their full cooperation as well as the Council for their support.

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

10.0 AWARDS PRESENTATION

The President then announced that as per the tradition set for the last few years, some of the awards were presented during the AGM. The Emcee then proceeded with the Awards ceremony.

10.1 Tan Sri Ir. Hj. Yusoff Ibrahim Final Year Project 2021

The AGM noted that the winner of the Tan Sri Ir. Hj. Yusoff Ibrahim Final Year Project 2021 was Liew Son Qian from Universiti Tunku Abdul Rahman (UTAR) with the topic – *“Hydrothermal Growth of Niobium Oxide Microrods in Ammonium Fluoride for Electrochromic Application”*.

The AGM also noted that the 2nd place winner was Tan Tze Jie from Monash University Malaysia with the topic *“Assessment on The Structural Behaviour of Novel Candle-Loc Inter-module Connection Using Finite Element Analysis”* whereas the 3rd place winner was Tan Wei Kun from Universiti Tunku Abdul Rahman with the topic *“IoT Based Car Plate Recognition System”*.

The following received the consolation prizes:

- (i) Teo Yar Lee from Multimedia University (MMU) with the topic *“Optimising Energy Consumption of a Rice Milling”*
- (ii) Kwa Eng Keat from Universiti Tunku Abdul Rahman (UTAR) with the topic *“Finite Element Modelling of Bone Tissue Scaffolds”*
- (iii) Farah Rosmaniza binti Redzuan from Universiti Teknologi Petronas with the topic *“Foam Stability Performance (half- life) of Alpha Olefin Sulfonate (AOS) – COCO Glucoside (APG) with Variation in Concentration of Surfactants, the Salinity and the Temperature”*
- (iv) Mohd Fazli bin Abd. Rashid from Universiti Putra Malaysia (UPM) with the topic *“Bending Behavior of Reinforced Concrete Beam Using Hybrid Glass Fiber Reinforced Polymer (GRFP) and Steel Reinforcement Bars”*
- (v) Choi Zhi Chuan from UCSI University with the topic *“Development of Effective Metaheuristic Search Algorithms through Hybridization Approach”*

10.2 Certificate presentation to the Fellows of IEM

The following Members of IEM who were transferred to the grade of Fellow in 2022 were presented with their certificates and pins.

- (i) Ir. Leong Siew Meng
- (ii) Ir. Fam Deng Fong
- (iii) Ir. Prof. Dr. Fatimah binti Ibrahim
- (iv) Dato' Ir. Hj. Rozlan bin Ahmad Zainuddin

11.0 RETIRING COUNCIL MEMBERS

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

The President then presented tokens of appreciation to the retiring Council Members who were retiring from office for the session 2020/2021:

1. Ir. Assoc. Prof. Dr. David Chuah Joon Huang – Honorary Secretary for sessions 2020/2022
2. Ir. Dr. Bhuvendhraa Rudrusamy – Council Member (Representative of Other Disciplines)
3. Ir. Dr. Tan Kuang Leong – Council Member (Ordinary Representative)
4. Y.Bhg. Dato' Ir. Mohd Azmi bin Ismail – Council Member (Ordinary Representative)
5. Ir. Ng Yong Kong – Council Member (Ordinary Representative)
6. Ir. Ting Chek Choon – Council Member (Ordinary Representative)
7. Ir. Sukhairul Nizam bin Abd Razak – Council Member (Ordinary Representative)
8. Ir. Lai Sze Ching – Council Member (Ordinary Representative)
9. Y.Bhg. Dato' Ir. Ahmad Anuar bin Othman – Council Member (Ordinary Representative)
10. Ir. Gopal Narian Kutty – appointed Council Member
11. Ir. Sean Wong Siong Ung – Immediate Past Chairman, IEM Miri Branch

11.2 The AGM was informed that the following retiring Council members were not able to be present to collect the tokens due to inter-state travel restriction and other prior commitment. However, the tokens would be delivered to them.

1. Y.Bhg. Academician Tan Sri Ir. (Dr.) Hj. Ahmad Zaidee bin Laidin
2. Ir. Prof. Dr. Ruslan bin Hassan
3. Ir. Prof. Dr. Leong Wai Yie
4. Ir. Mah Siew Kien
5. Ir. Dr. Mui Kai Yin
6. Y.Bhg. Dato' Ir. Noor Azmi bin Jaafar
7. Ir. Loh Ban Ho
8. Ir. Wong Yee Foong
9. Ir. Ahmad Kamal bin Kunji
10. Ir. Prof. Dr. Puvanasvaran Perumal
11. Ir. Jeffrey Ng Yun Ping
12. Ir. Shaipuddin bin Shapii

12.0 HANDOVER OF CHAIN OF OFFICE

The EMCEE then invited the new President, Ir. Prof. Dr. Norlida binti Bunyamin to the stage to receive the chain of office and was installed as the 63rd President of The Institution of Engineers, Malaysia.

12.1 Change-over of Office Bearers

The new President then invited the new line-up of office bearers to take their seats before continuing with the rest of the business of the AGM.

13.0 PAST PRESIDENTS

The 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. Dato' Ir. Dr. Gue See Sew
 Y.Bhg. Dato' Paduka Ir. (Dr.) Hj. Keizrul bin Abdullah
 Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik
 Y.Bhg. Dato' Ir. Lim Chow Hock
 Ir. Dr. Tan Yean Chin
 Ir. David Lai Kong Phooi

President then thanked all other Past Presidents for their contribution and unwavering support in the past sessions and hope they will continue to support and guide IEM.

14.0 ELECTION OF HONORARY INTERNAL AUDITORS

The President then proceeded to call for nominations for the position of Honorary Internal Auditors. She further informed the AGM that the current internal auditors were Ir. Sreedaran Raman (M38681) and Ir. Steven Toh Chin Kok (M21175).

The members were then advised to click on the RAISE HAND icon should they wish to nominate the two (2) internal auditors.

The following were nominated and accepted by the AGM:

Candidate	Proposer	Seconder
Ir. Assoc. Prof. Dr. David Chuah Joon Huang (F57551)	Ir. Yau Chau Fong (F20215)	Ir. Chen Harn Shean (F23894)
Ir. Steven Toh Chin Kok (M21175)	Ir. Yau Chau Fong (F20215)	Ir. Wong Chee Fui (F20903)

15.0 APPOINTMENT OF EXTERNAL AUDITORS

The AGM endorsed the proposal of Council to appoint Messrs CH International as the External Auditors for 2022.

16.0 PRESIDENTIAL ADDRESS FOR THE SESSION 2022/2023

The Emcee then invited the President to present the Presidential Address 2022 entitled ***"IEM SPEARHEADING SUSTAINABILITY"***

17.0 ADJOURNMENT OF 63rd ANNUAL GENERAL MEETING 2022

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

The President then declared the 63rd Annual General Meeting adjourned at 12.23pm.



Ir. Prof. Dr. Norida binti Buniyamin
 Yang DiPertua



Ir. Prof. Dr. Zuhaina binti Zakaria
 Setiausaha Kehormat

ANNUAL GENERAL MEETING ATTENDANCE LIST

Senarai Ahli Yang Hadir ke Mesyuarat Agung Tahunan

No.	Name	Membership No.
HONORARY FELLOW		
1	Ir. Chen Kim Kieong	05128
2	Ir. Chong Pick Eng	01214
3	Ir. Choo Kok Beng	02828
4	Academician Tan Sri Ir. Prof. Em. 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	Ir. Dr. Tan Yean Chin	11712
FELLOW		
10	Ir. Abdul Razak bin Yakob	59192
11	Datuk Ir. Hj. Abdullah bin Isnin	06813
12	Dato' Ir. Dr. Ahmad Anuar bin Othman	13148
13	Dato' Ir. Ahmad Murad bin Omar	04741
14	Ir. Dr. Aidil bin Chee Tahir	22249
15	Ir. Arul Hisham bin Abdul Rahim	12373
16	Ir. Bernard Lim Kee Weng	18809
17	Ir. Dr. Bhuvendhraa Rudrusamy	26383
18	Ir. C. Kamalesen a/l Chandrasekaran	21526
19	Ir. Chan Keng Hua	08161
20	Ir. Chen Harn Shean	23894
21	Mr. Cheng Kim Hua	02150
22	Ir. Prof. Dr. Cheong Kuan Yew	18543
23	Ir. Prof. Dr. Chiang Choong Luin	20286
24	Ir. Chong Chew Fan	25416
25	Ir. Chong Chi Koong	18794
26	Ir. Chong Sun Fatt	04977
27	Ir. Assoc. Prof. Dr. Chuah Joon Huang	57551
28	Ir. Fam Yew Hin	20926
29	Ir. Prof. Dr. Foo Chwan Yee	22445
30	Dato' Ir. Foong Choy Chye	03799
31	Ir. Goh Say Keong	10105
32	Ir. Goh Soon Boon	06751
33	Ir. Dr. Goh Teik Cheong	09029
34	Ir. Gopal Narian Kutty	11291
35	Ir. Gunasagaran a/l Kristnan	08216
36	Ir. Han Seng Kong	13421
37	Dato' Ir. Ho Cheong Sing	03445
38	Dato' Ir. Hor Tek Lip @ Hor Tet Lip	05605
39	Ir. Jeewa a/l Vengadasalam	05986
40	Ir. Khoo Chee Min	19556
41	Ir. Dr. Khoo Hooi Ling @ Lai Hooi Ling	21054
42	Ir. Lai Kong Phooi	09917
43	Ir. Lai Sze Ching	04687
44	Ir. Lee Boon Chong	08092
45	Ir. Lee Chong Kiow	04785
46	Ir. Lee Meng Chiat	11358
47	Ir. Lee Sing Siew	05596
48	Ir. Dr. Lee Tin Sin	27985
49	Ir. Dr. Lee Yun Fook	38707
50	Ir. Prof. Dr. Leong Wai Yie	60691
51	Ir. Li Thang Fai	15803
52	Dato' Sri Ir. Dr. Ts. Liew Mun Hon	20681
53	Ir. Ling Ngie Soon	12685
54	Ir. Lock Chin Pong	05036

No.	Name	Membership No.
55	Ir. Looi Hip Peu	02625
56	Ir. Look Keman bin Sahari	07295
57	Ir. Lou Chi Nam	02703
58	Ir. Hj. Mohamed Ali bin Yusoff	01974
59	Ir. Mohd Azha bin Abu Samah	16254
60	Dato' Ir. Mohd Azmi bin Ismail	56803
61	Ir. Mohd Khir bin Muhammad	18791
62	Ir. Hj. Mohd. Aman bin Haji Idris	02176
63	Datuk Ir. Hj. Mohd. Hassin @ Mohd. Hashim bin Daud	10215
64	Ir. Dr. Muhammad Azmi bin Ayub	29070
65	Ir. Ng Chek Pin	01969
66	Ir. Ng Kok Peng	03745
67	Ir. Ng Sin Chie	06697
68	Ir. Dr. Ng Soon Ching	30662
69	Ir. Ng Yong Kong	05043
70	Ir. Nitchiananthan a/l Balasubramaniam	11772
71	Ir. Prof. Dr. Norlida binti Bunyamin	13746
72	Ir. Ong Ching Loon	11938
73	Ir. Ong Sang Woh	06634
74	Ir. Ooi Kah Huat	03899
75	Ir. Ooi Kao Yang	02331
76	Ir. Razmahwata bin Mohamad Razalli	17029
77	Ir. Sim Hui Kheng	19167
78	Ir. Dr. Siti Hawa binti Hamzah	08457
79	Ir. Sundraraj a/l A. Krishnasamy	07933
80	Ir. Tam Kin Wah, Albert	05941
81	Ir. Prof. Dr. Tan Chee Fai	18343
82	Ir. Dr. Tan Kuang Leong	13221
83	Ir. Tang Chok Khing	07369
84	Ir. Prof. Dr. Tee Tiam Ting	03303
85	Ir. Dr. Teo Fang Yenn	26373
86	Ir. Teo Ki Yuee	05701
87	Ir. Ting Chek Choon	24754
88	Ir. Wong Chee Fui	20903
89	Ir. Yam Teong Sian	05613
90	Ir. Yap Kok Ming	03711
91	Datuk Ir. Yap Koon Teck, Stanley	06615
92	Ir. Yap Soon Hoe	04086
93	Ir. Yau Ann Nian	15421
94	Ir. Yau Chau Fong	20215
95	Ir. Yeong Chin Chow	18660
96	Ir. Zulkifly bin Madon	05132
SENIOR MEMBER		
97	Ir. Gan Choon Hock	19154
98	Ir. Hii Hwang	19653
99	Ir. Dr. Lee Choo Yong	29738
100	Ir. Mau Kwong Ching @ Moo Kwang Ching	02014
101	Ir. Mohamad Ikhranizam bin Mohamad Ros	24146
102	Ir. Sin Wai Ho	17684
103	Ir. Taofig Bin Samat	26431
104	Ir. Tham Kim Swee	14468
MEMBER		
105	Mr. Abd. Halim bin Ithnin	21995
106	Ir. Abdul Hadi bin Firuz Ahmad	49423
107	Ir. Abdul Hannan bin Ashaari	16523
108	Ir. Abdul Hijan bin Abdul Halim	86341

No.	Name	Membership No.
109	Ir. Abdul Wahid bin Pajo	18631
110	Ir. Abdullah bin Ismail	07446
111	Ir. Abu Hanifah bin Yusof	32643
112	Ir. Addnan bin Mohd Razali	09388
113	Ir. Adham bin Ahmad	35618
114	Ir. Adnan bin Ghazali	07498
115	Mr. Ahmad bin Haji Darus	11619
116	Ir. Ahmad Danial Zulhimi bin Ahmad Nazari	50216
117	Ir. Ahmad Rashidi bin Zainudin @ Nordin	15540
118	Ir. Ahmad Roslan bin Bakar	11056
119	Ir. Ahmad Shamsol bin Jusoh	22055
120	Ir. Ahmad Tarmizi bin Mat Taib	17697
121	Ir. Dr. Aidid bin Chee Tahir	18254
122	Mr. Akmal Arif bin Mohammed	69508
123	Ir. Ali Rahman bin Junaidi	22563
124	Ir. Amin bin Ramli	41140
125	Ir. Amir Soffian bin Abdul Razak	13371
126	Mr. Amrul Hafiz bin Ashari	41096
127	Ir. Ang Aing Thye	07453
128	Ir. Ang Chin Heng	18926
129	Ir. Ang Kian Ho	42321
130	Ir. Ang Li Ching	43958
131	Ir. Ang May Ling	20411
132	Ir. Ang Teng Hong	27536
133	Dato' Kapt. (B) Ir. Haji Anuar bin Yahya	16894
134	Ir. Atif bin Mohamad Johari	76192
135	Ir. Awang Zaideladha bin Awang Redzuan	36989
136	Ir. Azrol bin Jailani	28618
137	Ir. Bee Soo Tureen	23710
138	Ir. Bek Pan Chin	21834
139	Ir. Bertram Anak Thomas	57088
140	Ir. Bhupinder Singh Brar a/l Kirpal Singh Brar	34419
141	Mr. Burhanud-Din bin Ishak	44108
142	Ir. Cader Mohideen Mohamed Aboobucker	13942
143	Ir. Chai Ko Het	08223
144	Ir. Chai Peng Mun, William	17977
145	Ir. Chai Shiong Yen	78464
146	Ir. Chai Siew Wun	49890
147	Ir. Chai Yoke Fong	102024
148	Ir. Chan Cheong Loong	24885
149	Ir. Chan Hoe Cheong	29066
150	Ir. Chan Hooi San	49572
151	Ir. Chan Hwan Wee	20531
152	Ir. Chan Kah Hoe	06867
153	Ir. Chan Sin Sang	04750
154	Ir. Dr. Chan Swee Huat	16205
155	Ir. Chan Swee Loon	03762
156	Ir. Chan Vui Tze	22636
157	Ir. Chan Yin Har	49407
158	Ir. Chang Chew Leong	15783
159	Ir. Dr. Chang Chun Kiat	23422
160	Ir. Chang Toong Woh	17503
161	Ir. Chatiya Nantham a/l Muthu Raman	08494
162	Ir. Chaw Siew Hwa	57071
163	Ir. Chay Kwok Goon	75143
164	Ir. Che Bakar bin Che Soh	19953
165	Ir. Che Kean Wui	28810
166	Ir. Cheang Kok Meng	05221
167	Ir. Cheang Seit Keong	22717
168	Ir. Chek Soon Wei	49595
169	Ir. Chen Kheng Seong	18358

No.	Name	Membership No.
170	Ir. Chen Sin Khong	13813
171	Ir. Chen Yie Chin	30663
172	Ir. Chen Yisheng	28850
173	Ir. Chen Yong Chin @ Chen Yung Ching	03438
174	Ir. Cheng Chin Chuan	21201
175	Ir. Cheng Pei Ling	17955
176	Ir. Cheng Weng Siong	61147
177	Ir. Cheo Yuan Ping	21137
178	Ir. Cheok Ka Hiang	07185
179	Ir. Cheong Choong Fiee	08370
180	Ir. Cheong Kok Peng	23411
181	Ir. Cheong Kok Sang	14885
182	Ir. Cheong Tee Jin	71687
183	Ir. Cheu Teck Sen, Marcus	38598
184	Ir. Chew Gim Cheng	02911
185	Ir. Chew Kay Aik	53824
186	Ir. Chew Leak Yan	16406
187	Ir. Chew Yook Boo	03746
188	Ir. Chia Yun Lee	20069
189	Ir. Chiang Seow Juat	05658
190	Ir. Chieng Heng Ming	50213
191	Ir. Chieng Lee Hui	48916
192	Ir. Chiew Sing Huat	18229
193	Ir. Chin Bin	41133
194	Ir. Chin Chee Kheong	14115
195	Ir. Chin Chee Kwong	23486
196	Ir. Chin Chee Seong	18304
197	Ir. Chin Ching Wei	27103
198	Mr. Chin Gan Oon, Peter	00910
199	Ir. Chin Nyuk Jyi	32881
200	Ir. Chin Yen Wei @ Tan Yen Wei	84918
201	Ir. Chin Yew Thai	15795
202	Mr. Chin Yun On, Peter	16277
203	Ir. Chong Boon Hui	36309
204	Ir. Chong Chai Thiam	49218
205	Ir. Chong Chee Yen	18782
206	Ir. Chong Chee Yong	06854
207	Ir. Chong Chien Hwa	26348
208	Ir. Chong Ho Seng	18352
209	Ir. Chong Kon Wah	26392
210	Mr. Chong Kwet Hin	04071
211	Ir. Chong Pen Kwong	04001
212	Ir. Chong Thiam Heng	61166
213	Ir. Dr. Chong Vun Leong	19429
214	Ir. Chong Woei Tding	44518
215	Ir. Chong Yee Horng	71206
216	Ir. Chong Yew Fei	112651
217	Ir. Choo Teck Hin	14540
218	Ir. Choong Foong Heng	11822
219	Ir. Choong Kah Chun	20532
220	Ir. Choong Kean Wui	28036
221	Ir. Choong Pak Lim	64594
222	Ir. Chow Sei Ying	01590
223	Ir. Chu Chun Yit	08481
224	Ir. Chua Bih Lii	26430
225	Ir. Chua Eng Thye	04948
226	Ir. Chuah Teong Siang	21160
227	Ir. Chuang Kuang Cherng	92330
228	Ir. Dr. Eow John Son	23840
229	Ir. Fam Deng Fong	23408
230	Ir. Fan Chun Yee	18703

No.	Name	Membership No.
231	Ir. Fang Pek Hang	12643
232	Ms. Faridah binti Saban	23076
233	Dr. Fatimah binti Ibrahim	13112
234	Ir. Fauzul Azam bin Aziz	42606
235	Mr. Fong Chew Chung	21276
236	Ir. Fong Chong Yit	25644
237	Mr. Fong Wai Loong, Melvin	81276
238	Ir. Foo Jong Wee	07112
239	Ir. Foo Kai Jaan	22304
240	Ir. Foo Kam Fai	20060
241	Ir. Foo Sin Yew	05556
242	Ir. Foo Yu Hwa	03659
243	Ir. Foo Zhi Sien	54090
244	Ir. Foong Chee Wai	20563
245	Ir. Foong Kok Li	87695
246	Ir. Foong Poh Hing	53827
247	Mr. Fred Devakumar a/l Stephen Navaratnam	04758
248	Dr. Gan Jet Hong, Melvin	114674
249	Ir. Gan Kin Choon	08897
250	Ir. Gan Tian Eng	04904
251	Mr. Ganesrajsingham Veerasingam	15485
252	Ir. Gin Teang Wah	13957
253	Dr. Goh Chien Chung	18081
254	Ir. Goh Kae Wan	11047
255	Ir. Goh Sheng Pun	18185
256	Ir. Haismaree bin Omar	16338
257	Ir. Han Chee Keong	21184
258	Ir. Dr. Han Khee Kwong	12711
259	Mr. Han King Guan	07866
260	Ir. Hanani binti Abdullah	105211
261	Ir. Hardi bin Dolah	51635
262	Mr. Haren a/l Seganathirajah	10632
263	Ir. Hasnida binti Abdul Razak	114675
264	Mr. Haszeme bin Abu Kasim	108131
265	Ir. Hau Min Tze	54006
266	Ir. Henryson Magan	42039
267	Ir. Ho Choon Kwang	17178
268	Ir. Ho Kiat Yee	28078
269	Ir. Ho Swee Cheong	15641
270	Ir. Ho Wan Li	21899
271	Mr. Ho Zhen Hui, Aaron Johnathan	42291
272	Mr. Hon Kah Kien, Albert	44866
273	Ir. Hong Ah Fook	15106
274	Ir. Hong Siang Sheng	18427
275	Mr. Hoong Farn Cheong, Alvin	30798
276	Ir. How Yoke Teng	64626
277	Ir. Dr. Hum Yan Chai	61159
278	Ir. Hung Sing Ye	86317
279	Ir. Idahat bin Mahat	21226
280	Mr. Ilanchelvan a/l Polanippan	19884
281	Ir. Izzudin bin Ibrahim	90159
282	Mr. Jagjeet Singh Sidhu a/l Charan Singh	07146
283	Ir. Jayasingam Sinnappoo	05979
284	Mr. Johnny Malcom Anak Edward Duod	25549
285	Ir. Johnson Ndawie	33623
286	Ir. Kamarullaffie bin Hj. Ahmad	32672
287	Mr. Khairul Anwar bin Hatta	44403
288	Ir. Khong Tuck Soon	17053
289	Dr. Khoo Chun Yong	77573
290	Ir. Khor Kong Chong	13301
291	Mr. Khor Swek Lieh, Delvan	19053

No.	Name	Membership No.
292	Ir. Kiew Kwong Hui	16664
293	Ir. Kiu Kwong Lieng	29200
294	Ir. Koay Cheoh Theam	13451
295	Ir. Koh Fong Chong	16620
296	Ir. Dr. Koh Jung Hung	115492
297	Ir. Koh Siong Lee	18282
298	Ir. Koh Yong Fatt	06630
299	Ir. Kok Kar Hong	26860
300	Ir. Kok Vui Tek	45255
301	Ir. Kong Chee Vui	06203
302	Ir. Kong Sin Kooi	08312
303	Mr. Kong Siong Kai, Dennis	21335
304	Ir. Kong Soo Yit	10909
305	Ir. Kong Yik Khai	79266
306	Ir. Kor Fong Yong	03877
307	Ir. Ku Ming Fen	54385
308	Ir. Ku Ping Hee	09180
309	Ir. Ku Sim Aik	49421
310	Ir. Kuan Jew Xun	44029
311	Ir. Kunaseelan Packianathan	02157
312	Mr. Kwan Ching Dao, Michael	18967
313	Ir. Kwong Kar Kitt	41232
314	Ir. Lai Kee Woo	04879
315	Ir. Lai Ker Tze	42352
316	Ir. Lai Li Ling	93519
317	Ir. Lai Lih Ying	26388
318	Ir. Dr. Lai Mun Kou	66812
319	Ir. Lai Tek Hap	39226
320	Ir. Lam Kai En	75460
321	Ir. Lam Kok Wai	20798
322	Ir. Lau Chee Khin	02162
323	Ir. Lau Eng Kee	21721
324	Ir. Dr. Lau Hieng Ho	18741
325	Ir. Lau Hui Leong	29697
326	Ir. Lau Kiing Chuong	08375
327	Ir. Lau Kok Kee	13239
328	Mr. Lau Sheng Rong, Jeffrey	26422
329	Ir. Lau Tai Onn	03704
330	Ir. Lau Yew Nen	57036
331	Ir. Law Hong Kwang	43664
332	Ir. Law Kim Ping	12937
333	Ir. Law Soon Guan	62055
334	Ir. Lean Meng Kiat	22899
335	Ir. Lee Chang Quan	27114
336	Ir. Lee Chee Lim	03361
337	Ir. Lee Chee Ming	25432
338	Ir. Lee Cheng Pay	36663
339	Ir. Lee Cheow Tong	10384
340	Ir. Lee Chow Khweng	06025
341	Ir. Lee Derk Chyuan	100748
342	Mr. Lee Eng Choy	08979
343	Ir. Lee Han Chee	12016
344	Ir. Lee Koi Chin	05617
345	Ir. Lee Kong Song	09196
346	Ir. Lee Le Qin	29879
347	Ir. Lee Li Keat	20799
348	Ir. Lee Loi Kong	26909
349	Ir. Lee Mei Ping	28489
350	Mr. Lee Mun Fatt	05443
351	Ir. Lee Mun Poh	08600
352	Ir. Lee See Kim	15418

No.	Name	Membership No.
353	Ir. Lee Sek Chong	06329
354	Ir. Lee Sheu Tiong	06606
355	Ir. Lee Su Yen	29761
356	Ir. Lee Sun Chang	40019
357	Ir. Lee Swee Yong	25439
358	Ir. Lee Toung Tian	22332
359	Ir. Lee Tse Weng	26447
360	Ir. Lee Tuck Choy	08001
361	Ir. Lee Vee Weng	24920
362	Ir. Lee Wai Ling	24040
363	Ir. Lee Wee Chu	06369
364	Ir. Lee Wei Choew	45790
365	Ir. Lee Yan Kang	112711
366	Ir. Lee Yik Choong	16943
367	Ir. Leong Chee Onn	10073
368	Ir. Leong Cheng Thim	03052
369	Mr. Leong Chin Sean	02784
370	Ir. Leong Chong Yi	66827
371	Ir. Leong Kah Hau	20857
372	Dr. Leong Kah Hon	105663
373	Ir. Leong Siew Meng	07970
374	Ir. Leong Wen Kam	84927
375	Ir. Leow Jia Hui	29191
376	Ir. Lew Yun Hin	41241
377	Ir. Lian Hin Seong	99503
378	Ir. Liew Chee Seong	21265
379	Mr. Liew Fook Kiew, Frankie	04677
380	Ir. Liew Ka Wei	24734
381	Ir. Liew Khee Leong @ Lam Khee Leong	14505
382	Ir. Liew Kheng Soo	17786
383	Ir. Liew Pik Lee	25100
384	Ir. Dr. Liew San Chuin	25519
385	Ir. Liew Siaw Kiat	20706
386	Ir. Liew Teik Shin	14274
387	Ir. Liew Wen Tat	37219
388	Mr. Liew Yang Oon, John	06936
389	Ir. Liew Yoke Loy	07875
390	Ir. Lim Ah Bah	03263
391	Ir. Lim Boon Peng	03287
392	Ir. Lim Chain Chuan	25664
393	Ir. Lim Chee Hong	56539
394	Ir. Lim Chee Tat	26384
395	Ir. Lim Chew Hin	28829
396	Ir. Lim Chiau Wu	15583
397	Ir. Lim Choh Teck	03787
398	Ir. Lim Hok Lian	13396
399	Ir. Lim Juin Khye	51825
400	Ir. Lim Kee Tong	44596
401	Ir. Lim Kein Seng	20165
402	Ir. Lim Khean Min	21957
403	Ir. Lim Kian Tong	16038
404	Dato' Seri Ir. Lim Kok Khong	09011
405	Ir. Lim Lea Pieng	20352
406	Ir. Lim Swee Sang	24903
407	Ir. Lim Tian Lu	12778
408	Mr. Lim Wan Sin	08478
409	Ir. Lim Yao Sheng	66737
410	Ir. Lim Yoke Lee	25875
411	Ir. Dr. Ling Jen Hua	70261
412	Ir. Ling Tieng Kooi	24061
413	Ir. Liow Chee Shing	49387

No.	Name	Membership No.
414	Ir. Lit Moon Chew	04688
415	Ir. Lit Moon Kai	10235
416	Ir. Loh Sin Seng	32680
417	Ir. Loh Sook Ling	43746
418	Ir. Loh Wei Lun	48896
419	Ir. Loh Yee Eng	37221
420	Ir. Lohgheswary a/p Nagarethinam	88784
421	Ir. Loi Tuck Chow	18933
422	Ir. Loi Yiau Hui	21806
423	Ir. Lok Eng Tatt	70284
424	Ir. Long Ji Ming	115059
425	Ir. Loo Chee Kin	15863
426	Ir. Loo Moon Whai	02274
427	Ir. Loo Qai Shien	87137
428	Ir. Loo Swee Kee	24850
429	Ir. Loo Wen Siang	05655
430	Ir. Looi Koon Chew	11679
431	Ir. Luke Jetie Anak Benjamin	24288
432	Ir. Lum Wai Choong	44127
433	Ir. Mah Way Sheng	30694
434	Ir. Mamat Rohizan bin Abdullah	18348
435	Mr. Md. Nujid bin Ismail	06158
436	Mr. Md. Yushairi Kamarul Effendy bin Mohd Yusof	27918
437	Ms. Meera a/p Vajaindran	54249
438	Mr. Megat Mukhtar bin Megat Nasir	03568
439	Ir. Mej. (B) Michael Chan	03276
440	Ir. Michael Koay	25517
441	Ir. Mohamad Azmi bin Pilus	12242
442	Ir. Mohamad Pauzi bin Mohamed Kassim	41155
443	Ir. Mohamad Shahril bin Yope @ Yahya	14960
444	Ir. Mohamad Zaid bin Mohamad Ali	72642
445	Ir. Mohamed Anwar bin Naik Mohd	09745
446	Ir. Mohammad Hazmin bin Noor Mahadi	27188
447	Mr. Mohan Dass Albert	116828
448	Ir. Dr. Mohd Azlan bin Abu	38364
449	Ir. Mohd Azlan bin Ismail	72719
450	Ir. Mohd Fazril Irfan bin Ahmad Fuad	116666
451	Ir. Mohd Hambali bin Noh	87115
452	Ir. Mohd Hazzah bin Ahmad Siron	26896
453	Ir. Mohd Helmi bin Md. Izuddin	50690
454	Ir. Mohd Husaini bin Maznudeen	115491
455	Ir. Mohd Jamil bin Ali	15766
456	Ir. Mohd Najib bin Basiran	47047
457	Ir. Mohd Nazri bin Shaari	32692
458	Ir. Mohd Osnizam bin Othman	51347
459	Ir. Mohd Rawawi bin Awang Ngah	84915
460	Ir. Mohd Redzuan bin Mohd Ramli	13780
461	Ir. Mohd Ridzuan bin Suid	94378
462	Ir. Mohd Roslan bin Daut	43737
463	Mr. Mohd Shahrudin bin Mohd Alias	31137
464	Ir. Mohd Shokri bin Daud	15381
465	Ir. Mohd Soleham Juraimi bin Kamarudin	43581
466	Mr. Mohd Syafiq Hafifi bin Kamisan	100690
467	Ir. Mohd Zaidi bin Che Mod	36956
468	Ir. Mohd Zailani bin Mod Nor	33942
469	Dato' Mohd. Zahari bin Mansor	05242
470	Ir. Mok Wai Liang	61954
471	Ir. Momas Modon	97328
472	Ir. Mozaidy Amri bin Mohamed	19612
473	Ir. Muhamad Hazwan bin Wahab	40188

No.	Name	Membership No.
474	Mr. Muhamad Resdi bin Abdul Manaf	30670
475	Ir. Muhammad Asyraf bin Ridzuan	87438
476	Ir. Muhammad Fadly bin Ahmad Usul	104313
477	Mr. Muhammad Firdaus bin A. Rahman	112655
478	Ir. Muhammad Zahir bin Hashim	24137
479	Ir. Dr. Mui Kai Yin	18773
480	Ir. Mun Yew Fai	38649
481	Dato' Musa bin Haji Mustakim	11301
482	Ir. Nazarudin bin Ahmad	12075
483	Ir. Nazurul Azuan bin Abdul Aziz	32688
484	Ir. New Huang Chin	21689
485	Ir. Ng Ah Chung	15445
486	Ir. Ng Ah Yew	04178
487	Ir. Ng Ban Foun	80674
488	Ir. Ng Boon Chai	100739
489	Ir. Ng Boon Kiat	18171
490	Ir. Ng Chee Choong	25086
491	Ir. Ng Chee Yee	10862
492	Ir. Ng Cheek What	03171
493	Ir. Ng Cheng Sinn	19500
494	Ir. Ng Hian Eik	22535
495	Ir. Ng Jia Lin	28394
496	Ir. Ng Jin Seng	15807
497	Ir. Ng Joo Yoong	66410
498	Ir. Ng Kah Jun	98411
499	Ir. Ng Robert	01655
500	Ir. Ng Seng Jhee	12803
501	Ir. Ng Si Yoon	12611
502	Ir. Ng Teik Poh	13463
503	Ir. Ng Wee Meng	77546
504	Ir. Ng Weng Sum	20970
505	Ir. Ng Yen Yee	33777
506	Ir. Ng Yoke Kim	12215
507	Ir. Dr. Ngien Su Kong	41069
508	Ir. Ngu Heng Jong	41300
509	Ir. Ngui Wei Liang	92139
510	Mr. Nik Ab. Hadi bin Hassan	12470
511	Mr. Noor Hafiz bin Noordin	116830
512	Mr. Noor Zaidi bin Abdullah	17658
513	Ir. Nor Hamidi bin Bidin	43597
514	Mr. Nor Shakiman bin Muhammad	13528
515	Ir. Norhisham bin Sokiman	51730
516	Ir. Nur Azhani binti Mohamad Rosli	100933
517	Ir. Oh Kim Seng	05842
518	Ir. On Seng Hooi	09617
519	Ir. Ong Beng Hoe	12715
520	Ir. Ong Boo Soon	21880
521	Ir. Ong Boon Leong	73382
522	Ir. Ong Chiew Ping	25188
523	Ir. Ong Guan Hock	03317
524	Ir. Ong Khim Guan	43612
525	Ir. Ong Kim Chai	04407
526	Ir. Ong Tai Boon	25563
527	Ir. Ong Tang Kook	14229
528	Ir. Ong Teik Chuan	38676
529	Ir. Ong Ye Poo	12282
530	Ir. Ong Yee Pinn	59093
531	Ir. Ooi Beng Hooi	09087
532	Ir. Ooi Chee Wee	19337
533	Ir. Ooi Hock Lye	15897
534	Mr. Othman bin A. Karim	10247

No.	Name	Membership No.
535	Ir. Pan Tze Shun	18196
536	Ir. Pang Hock Kiong	09767
537	Ir. Pang Keng Lee	15810
538	Ir. Pang San Moh	14936
539	Ir. Pang See Peng	16053
540	Ir. Pang Su Siong	11930
541	Ir. Pang Wei Chin	24383
542	Ir. Perabu a/l Moorty	95818
543	Ir. Phang Chee Man	22052
544	Ir. Phor Chi Wei	18946
545	Ir. Poh Fong Tee	38882
546	Ir. Pong Vui Wei	28916
547	Ir. Por Teong Hooi	49415
548	Ir. Prabakaran Rajah Thiagarajah	14665
549	Ir. Prashanth a/l Kamalanathan	112798
550	Ir. Pui Syn Kong	07339
551	Ir. Quah Boon Jin	47590
552	Ir. Quah Keng Hooi	05939
553	Ir. Ramesh a/l Surianarayanan	101990
554	Ir. Ramzanul Azhim bin Borhan	25463
555	Ir. Ravindra Masilamoney	18416
556	Ir. Rosdi bin Jusoh	34423
557	Mr. Rothwazar bin Mohamed Hasbullah	26748
558	Dato' Ir. Hj. Rozlan bin Ahmad Zainuddin	13579
559	Ir. Rusnida binti Talib	43183
560	Mr. S. Yogan a/l K. Sathiyagnany	18411
561	Ir. Sahanan bin Saadun	29009
562	Ir. Sahara binti Sai'en @ Abdullah	48899
563	Ir. Sar Koon Kong	18575
564	Dr. Sariah Abang	102059
565	Ir. Saw Kean Thai	04361
566	Ir. Se Tho Hoong Tuck	05735
567	Ir. Sek Fook Keong	15645
568	Ir. Sek Fook Meng	13965
569	Ir. Sew Shuh Tyng	11409
570	Komander Ir. Shahrman bin Shawaluddin	22348
571	Ir. Shahrizaman bin Zamhury	17058
572	Ir. Shaiful Fadzil bin Zainal Abidin	40429
573	Ir. Sheng Kheng Lian	02226
574	Ir. Shukhen Dutt	15781
575	Ir. Sia How Teck	16554
576	Ir. Sia Kie Ding	25570
577	Ir. Sia Mun Hong	101143
578	Ir. Siao Wen Bin	09289
579	Ir. Siew Ko Chiang	18656
580	Ir. Sik Chin Khuen	58086
581	Ir. Sim See Mong	11287
582	Ir. Sim Siew Ping, Catherine	20604
583	Ir. So Wee Siang	37243
584	Ir. Soh Kwong Chean	66770
585	Ir. Song Kok Rong	51265
586	Ir. Soo Ching Linn	03300
587	Ir. Soo Chung Min	53707
588	Ir. Soon Can Voon	14791
589	Ir. Sreedaran a/l Raman	38681
590	Ir. Sri Kanthan a/l Veeramuthu	51359
591	Mr. Subramaniam a/l K.S. Gopala Iyer	13074
592	Ir. Suhayani Dollah	111544
593	Ir. Sukhairul Nizam bin Abdul Razak	48536
594	Kept. Ir. Sukhdev Singh	11344
595	Ir. Sukhvinder Singh a/l Harbans Singh	29221

No.	Name	Membership No.
596	Ir. Suppah Rao a/l Ramanaidu	49296
597	Ir. Syed Rajah Hussain Shaib bin A.H. Mohd Haniff	49687
598	Mr. Tai Wai Yau	30661
599	Ir. Tai Yew Kian	10202
600	Ir. Tam Shui Yen	09090
601	Ir. Tan Bak Ping	03872
602	Ir. Tan Boon Han	19763
603	Ir. Tan Chee Hsiang	70568
604	Ir. Tan Chee Seng	08821
605	Ir. Tan Chong Hoo	52404
606	Ir. Tan Choo Yong, Brian	57528
607	Ir. Tan Chun Liang	71675
608	Ir. Tan Chun Tat	23260
609	Ir. Tan Joe Hoe	25482
610	Ir. Tan Juat Ngoh	14655
611	Ir. Tan Khar Meng	45341
612	Ir. Tan Kheng Boon	20220
613	Ir. Tan Kian Aun	23054
614	Ir. Tan Kian Soon	18938
615	Ir. Tan Kien Seng	76209
616	Ir. Dr. Tan Kim Seah	77459
617	Ir. Tan Kim Tiang	12274
618	Ir. Tan Loo Shyang	14648
619	Ir. Tan Mau Chin	29731
620	Ir. Tan Seng Aun	12313
621	Ir. Tan Seng Guan	26404
622	Ir. Tan Seong Yuu	17466
623	Ir. Tan Swee Kun	04900
624	Mr. Tan Tang Chin	24723
625	Ir. Tan Teck Siong	56123
626	Ir. Tan Teong Jin	38071
627	Ir. Tan Wang Khai	28838
628	Ir. Tan Wee Chen	29357
629	Ir. Tan Wei Lun	85922
630	Ir. Tan Wei Meng	28379
631	Ir. Tan Woon Yang	19338
632	Dato' Ir. Tan Yew Thong	02506
633	Ir. Tan Yu Quan	72639
634	Ir. Tang Bong Kiek @ Tang Agu	13951
635	Ir. Tang Boon Heng	04598
636	Ir. Tang Chee Yong	11694
637	Ir. Tang Chin Chuai	14282
638	Ir. Tang Ju Yew	94006
639	Ir. Tang Kin Heng	28599
640	Ir. Tang Kwang	21897
641	Ir. Tang Soo Ha	04092
642	Ir. Tang Su Fan	19305
643	Ir. Tang Theam Hooi	79002
644	Ir. Tang Yu Cai	23370
645	Ir. Dr. Tay Ching En Marcus	34906
646	Ir. Tay Eng Chong	78416
647	Ir. Te Choon Chiam	36838
648	Ir. Tee Choun Tien	54376
649	Ir. Tee Swee Tit	20519
650	Ir. Teh Eng Huat	29666
651	Ir. Teh Han Heng	13295
652	Ir. Teh Siew Yin	25260
653	Ir. Teh Teong Joo	23511
654	Ir. Ten Pang Sin	19972
655	Ir. Teng Yien Chen	16926

No.	Name	Membership No.
656	Ir. Tengku Salehudin bin Tengku Bakar	12504
657	Ir. Teo Boon Keng	04890
658	Ir. Teo Eu Jin	49610
659	Ir. Teo Jin Ann	14400
660	Ir. Teo Kok Ping	65205
661	Ir. Teo Say Aun	18387
662	Ir. Teo Teck Cheong	113068
663	Ir. Teoh Bao Tee	47123
664	Ir. Teoh Boon Lai	16559
665	Ir. Teoh Kean Teong	27122
666	Ir. Teow Loo Yih	21200
667	Ir. Tey Choo Yew, Calvin	22242
668	Ir. Thayala Rajah a/l C. Selvaduray	03717
669	Ir. Then Kim Kian	93915
670	Ir. Thin Choon Chai	04078
671	Ir. Thong Chu Jiun	35930
672	Ir. Thong Foo How	36302
673	Ir. Ting Ing Sun	05793
674	Ir. Ting Ming Seong	15334
675	Ir. Ting Tiew Whong	24193
676	Ir. Tiong Hong Hee	07537
677	Ir. Tnay Choon Hwa	08151
678	Ir. Toh Sing Wia	17211
679	Ir. Tok Chye Hock	93751
680	Ir. Too Heng Yuen, Jeffrey	94120
681	Ir. Tsai Song Meaw, Frederick	20022
682	Mr. Tsen Lip Khah, Michael	16725
683	Ir. Tu Yong Eng	15448
684	Ir. Tung Yee Lyn	28041
685	Ir. Ung Hui Hui	19826
686	Ir. Voon Yann Peng	36195
687	Ir. Wan Manan bin Wan Ali	09830
688	Ir. Wan Muhammad Faisyal bin Mohd Noor	52306
689	Ir. Wan Othman bin Wan Jusoh	33762
690	Ir. Wan Yow Choy	20585
691	Ir. Wee Chai Siang	84942
692	Ir. Wee Chee Sum	18628
693	Ir. Wei Chng Kai	48435
694	Datuk Ir. Willis Ansoi	10099
695	Ir. Wong Chan Yee	38758
696	Ir. Wong Chuen Fun, Richard	07180
697	Ir. Wong Fook Kan	08794
698	Mr. Wong Hon Mun	70658
699	Ir. Wong Huan Yong	12895
700	Ir. Dr. Wong Jee Keen, Raymond	37834
701	Ir. Wong Keng Liang	22588
702	Ir. Wong Khee Veai	23761
703	Ir. Ts. Wong Kok Nian	45915
704	Ir. Wong Kuok Yong	99490
705	Ir. Wong Ling Tung	47630
706	Ir. Wong Pau Loong, Gabriel	13023
707	Ir. Wong Siong Shyong	22456
708	Ir. Wong Siong Ung	22644
709	Ir. Wong Su Ken	17560
710	Ir. Wong Swee On	03830
711	Ir. Wong Tai Poh	13736
712	Ir. Wong Tien Soong	43668
713	Ir. Wong Tuck Yoon	12228
714	Ir. Wong Vun Ching	07427
715	Ir. Dr. Wong Wai Sam	16485
716	Ir. Wong Wee Chee	34304

No.	Name	Membership No.
717	Ir. Wong Weng Yik	53096
718	Ir. Wong Wun Chwen, Norman	56116
719	Ir. Wong Yat Kun	02271
720	Ir. Wong Yee Foong	18146
721	Ir. Dr. Wong Yew Hoong	51701
722	Mr. Wong Yung Yao	27196
723	Ir. Wu Swee Weng	06661
724	Ir. Dr. Yap Boon Hui, Jeffrey	20043
725	Ir. Yap Chee Hong	41245
726	Ir. Yap Eng Keat	20732
727	Ir. Yap Kiam Fui	07174
728	Ir. Yap Soon Onn	29197
729	Ir. Yap Wai Leng	14900
730	Ir. Yap Wee Ghian	28298
731	Ir. Yap Wooi Kien	18600
732	Ir. Yap Yoon Loy	78878
733	Ir. Yapp Vun Khun	07175
734	Ir. Yeap Geok Ngoh	23513
735	Ir. Yee Keat Leong	43162
736	Ir. Yee Kien Peng	27565
737	Mr. Yee Kwong Sing	09299
738	Ir. Yee Wing Pang	10287
739	Ir. Yeo Joo Kun	03561
740	Ir. Yeo Lung Lung, Alvin	29199
741	Ir. Yeo Thian Soon	52482
742	Ir. Yeo Tiong Hui	38624
743	Ir. Yeoh Chin Seng	13131
744	Ir. Dr. Yeoh Hak Koon	15203
745	Ir. Yeoh Su Hong	28006
746	Ir. Yeong Kang Loong	27857
747	Ir. Yew Hoo Sang	07775
748	Ir. Dr. Yew Wan Tian	52578
749	Ir. Yong Hong Loo	10268
750	Ir. Yu Pow Seng	10725
751	Ir. Zahid Suffian bin Zainalabidin	33233
752	Ir. Zainal Abidin bin Othman	05317
753	Ir. Zainol Arifen bin Said	15123
754	Ir. Zakaria bin Daud	51670
755	Ir. Prof. Dr. Zuhaina binti Zakaria	20105
756	Ir. Zulkernien bin Hashim	14360
757	Mr. Zulkifli bin A. Kahar	12738
SENIOR GRADUATE MEMBER		
758	Mr. Ahmad Helmi bin Ahmad Khalil	89660
759	Dr. Ishak bin Johari	116463
760	Mr. Jeffrey Pereira bin Abdullah	115447
761	Mr. Lee Shiw Jien	50757
762	Mr. Yuzri bin Mohd Yusoff	113082
GRADUATE MEMBER		
763	Mr. Ahmad Hosni bin Abd. Malek	43801
764	Mr. Ahmad Izzuddin bin Hisham	95884
765	Ms. Anis Akilah binti Ameer Ali	86962
766	Mr. Anwar Ridhwan bin Dzainuddin	59959
767	Mr. Arif bin Mohd Dani	105665
768	Mr. Bak Peng Kuan	10377
769	Mr. Boyke Boanerges Lubraja bin Taufik	81294
770	Ts. Chan Khung Leong	22094
771	Mr. Chieng Heng Ping	59950
772	Ms. Chin Ann Hwa	116640
773	Mr. Dinesh a/l Sathyamoorthy	35530
774	Mr. Dinesh Kumar Madhavan	66478
775	Mr. Ezmir Izammel bin Zainoren	116725

No.	Name	Membership No.
776	Ms. Fadzliza Hanim Zulkifli	30604
777	Ms. Goh Lyn Dee	19811
778	Mr. HariPriyan Jaganathan	89999
779	Dr. Hoh Wei Siang	115129
780	Mr. Kevin Christian Nair	51648
781	Mr. Khir Akyazrul bin Azmi	26286
782	Mr. Kho Tuck Sing	99380
783	Mr. Lai Chiong Sun, Robin	99187
784	Capt. Lai Kien Fui	23079
785	Ms. Lam Wen Qian	104916
786	Mr. Lau Kah Leong, Kelvin	115187
787	Mr. Lee Chee Leong	100665
788	Dr. Lee Kit Yee, Sara	89636
789	Mr. Lee See Peng	21908
790	Mr. Lee Yun Chee	114691
791	Mr. Lim Fang Yau	24993
792	Mr. Lim Heng Tean	43171
793	Mr. Lim Yiren	68058
794	Mr. Loh Boon Chuan, Andrew	72584
795	Mr. Lok Wei Long	116683
796	Mr. Looi Tink Huey, Alex	62106
797	Mr. Mohamad Afizi bin Jamadin	104602
798	Mr. Mohamad Amirul Nizam bin Mohamed Thari	38018
799	Mr. Mohamad Hamzi bin Jumen	116709
800	Mr. Mohammad Nabil bin Ishak	33423
801	Hj. Mohd Azahar bin Awang	20864
802	Dr. Mohd Fitri bin Mohd Yakub	84928
803	Mr. Mohd Haizad bin Husin	88780
804	Mr. Mohd Noorhafiz bin Shahidin	30431
805	Mr. Muhamad Shaiful bin Hussin	117060
806	Mr. Muhammad Ashiq Marecan bin Hamid Marecan	88345
807	Mr. Muhammad Hanafi bin Hambali	112830
808	Mr. Muhammad Khairul Amilin bin Ismail	26773
809	Mr. Muhammad Zulhili bin Rosli	114929
810	Mr. Nah Tiong Lian	64751
811	Mr. Nazhan Haziq bin Zainurin	82282
812	Mr. Nazmir bin Zulbadli	100682
813	Mr. Ngu Ung Seng, Stephen	17017
814	Mrs. Noraimi binti Ahmad	114383
815	Mr. Ong Chi Wei	58038
816	Mr. Ong Chin How	89628
817	Ts. Dr. Ong Chong Yong	45635
818	Ms. Ong Ye Shian	97691
819	Mr. Pang Xin Bin	115926
820	Dr. Ravinthran a/l Mariappan	89716
821	Mr. Saravanan Venkadasalam	116222
822	Mr. Shahrizan bin Ahmad Shah	22883
823	Mr. Sia Shang Yuen	41292
824	Mr. Sigithasan a/l Nagantheram	111793
825	Mr. Siow Jun Xian	95954
826	Dr. Siow Ping Chuan	89538
827	Mr. Sivakumar a/l Nadaraja	30925
828	Mr. Sivanesan a/l Veerappan	19783
829	Mr. Tajul Ariffin bin Tajuddin	41162
830	Mr. Tan Chee Nian	58175
831	Mr. Tan Cheng Siong	117136
832	Mrs. Tan Ee Leng	112841
833	Mr. Tan Teck Ying	60730
834	Mr. Tan Yi Jie	80968
835	Mr. Tay Kian Aik	49188

No.	Name	Membership No.
836	Mr. Teoh Kah Waie	39187
837	Mr. Tiong Ket Chiing, Jacky	94318
838	Mr. Tsen Mann Zoen	45306
839	Dr. Wong Soon Yee	74206
ENGINEERING TECHNOLOGIST GRADUATE MEMBER		
840	Mr. Liang Kai Chuan	116454
841	Ts. Ramesh a/l Sabapathy	102982
STUDENT MEMBER		
842	Sdri. Hemelia Lutang Anak Mata-Ari	117251
843	Sdr. Mohammad Khairol bin Abdullah	117239
844	Sdr. Muhammad Aiman bin Mohd Noor	116901
845	Sdr. Wong Juin Hao	112755
846	Sdr. Yeoh Chong Shern	113320

**MINIT MESYUARAT AGUNG TAHUNAN YANG KE – 63
YANG DIADAKAN PADA 15 APRIL 2022
SECARA HIBRID PADA PUKUL 9.00 PAGI**

SENARAI AHLI-AHLI YANG HADIR – SEPERTI DILAMPIRAN A

1.0 KATA-KATA ALUAN OLEH YANG DIPERTUA

- 1.1 Yang DiPertua, Ir. Ong Ching Loon mengalu-alukan kehadiran para ahli ke Mesyuarat Agung Tahunan (MAT) yang ke-63 setelah kuorum seramai 100 orang dicapai. Beliau melaporkan bahawa bilangan ahli yang hadir sudah mencapai 300 orang dan seterusnya memulakan mesyuarat pada pukul 9.00pg. Beliau merakamkan ucapan terima kasih kepada para ahli yang menghadiri MAT yang diadakan secara atas talian bagi tahun yang ketiga serta memaklumkan bahawa cara pengendalian mesyuarat begini bukan sahaja tidak menjejaskan sokongan para ahli malah membolehkan para ahli dari luar Lembah Kelang menghadiri mesyuarat tersebut.

Demi memastikan pematuhan SOPs, Setiausaha Kehormat dijemput untuk memberikan taklimat ringkas tentang peraturan-peraturan yang perlu diikuti semasa MAT dianjurkan.

- (i) Disebabkan kekangan platform maya, bilangan soalan yang boleh dibenarkan adalah terhad. Walau bagaimanapun, berbanding dengan tahun lepas, IEM telah menambahkan pengaturcaraan di mana para ahli boleh mengemukakan soalan mereka secara lisan;
- (ii) tempoh masa 10 minit sahaja akan diluahkan untuk maksima 5 soalan bagi setiap segmen. Para ahli perlu klik ikon “raise hand” untuk kakitangan IT boleh membenarkan mereka bercakap. Ahli perlu memberitahu nama serta nombor ahli sebelum mengemukakan soalan
- (iii) Sebagai alternatif, bagi ahli yang tidak mahu mengemukakan soalan secara lisan, mereka boleh menaip soalan ke dalam “chat box”. Soalan itu akan dipaparkan pada skrin sebelum jawapan diberi.

Setiausaha Kehormat mengucapkan terima kasih atas perhatian ahli dan selepas itu menyerahkan semula mesyuarat kepada Yang DiPertua. Yang DiPertua seterusnya membentangkan laporan keseluruhan dari bulan April 2021 hingga bulan April 2022. Butirannya adalah seperti berikut:

1.2 Laporan Keseluruhan Yang DiPertua bagi sesi 2021/2022

1.2.1 *Mesyuarat dengan pihak Kementerian*

Yang DiPertua telah menghadiri mesyuarat dengan pelbagai Kementerian. Butirannya seperti berikut:

- (i) *“Mesyuarat Pre Council Tech Deployment Task Force”* di Kementerian Sains, Teknologi dan Inovasi pada 12 Julai 2021
- (ii) *“Mesyuarat High Technology National Council”* di Kementerian Sains, Teknologi dan Inovasi pada 5 Ogos 2021
- (iii) *“Mesyuarat Khas High Technology National Council”* pada 7 Disember 2021

1.2.2 *Mesyuarat Antarabangsa*

MAT turut mengambil maklum bahawa Yang DiPertua telah menghadiri mesyuarat-mesyuarat antarabangsa seperti berikut:

- (i) Mesyuarat NABEEA Council ke-17 & Persidangan Umum pada 15 Jun 2021
- (ii) Mesyuarat-mesyuarat IEA (APEC & IPEA, IETA & AIET) dari 21-25 Jun 2021
- (iii) Persidangan Umum ITA pada 30 Jun 2022
- (iv) Persidangan Umum ke-29 FEIAP pada 15 Julai 2021
- (v) CAFEO39 oleh PUJA dari 29 November hingga 3 Disember 2021
- (vi) Mesyuarat Pertengahan Penggal AFEO Governing Board dari 5-7 Ogos 2021
- (vii) Meja Bulat Bersama ICE UK pada 29 September 2021
- (viii) Mesyuarat CEC pada 28 Februari 2022
- (ix) Persidangan Umum WFEO dari 8-10 Mac 2022

1.2.3 **Memorandum Persefahaman**

Yang DiPertua seterusnya melaporkan bahawa Memorandum Persefahaman telah ditandatangani bersama institusi/pertubuhan-pertubuhan berikut:

- (i) Politeknik Ungku Omar pada 20 Oktober 2021
- (ii) Malaysia Association of Local Authorities pada 3 Disember 2021
- (iii) IET Malaysia Network pada 21 Januari 2022
- (iv) Penang Skills Development Centre pada 3 Mac 2022
- (v) Association of Malaysia Airlines Licensed Engineers pada 19 Mac 2022

1.2.4 **Kertas Posisi dan Kenyataan Akhbar**

MAT juga dimaklumkan bahawa IEM telah menerbitkan beberapa kenyataan akhbar seperti berikut:

- (i) "Nip Alarming Trends of Mishaps at Mega Project Sites"
- (ii) "Stopping Future Landslides"
- (iii) "All Recent Accidents Must be Reviewed to Ensure Proper Mitigation Plans"

1.2.5 **Aktiviti-aktiviti Khas**

Yang DiPertua seterusnya melaporkan tentang aktiviti-aktiviti khas yang telah dianjurkan secara atas talian:

- (i) Lawatan Teknikal Maya Pertama ke Institut Teknologi Petroleum, Petronas (Instep) pada 12 Oktober 2021
- (ii) MyAERO'21 – 9 November 2021 – kolaborasi dengan National Aerospace Coordinating Office (NAICO)
- (iii) Acara Minggu Sains Negara di Negeri Sembilan pada 5 September 2021
- (iv) Majlis Perasmian Persidangan Jurutera Wanita 2022 di Pulau Pinang pada 4 Mac 2022
- (v) Hari Kejuruteraan Sedunia – dianjurkan oleh MRANTI – Yang DiPertua telah menyampaikan ucapan yang telah dirakamkan pada 4 Mac 2022
- (vi) Majlis Perasmian ENGINEER2022 pada 17 Mac 2022
- (vii) Majlis Perasmian IESE – Electrotechnical Symposium pada 17 Mac 2022
- (viii) "Engineer Business Cocktail" pada 17 Mac 2022
- (ix) Majlis Perasmian "Symposium on Water Hazards and Security – IR.4.0" pada 18 Mac 2022
- (x) Majlis Perasmian "Persidangan Project Management 2022 - The Future of Project Management" pada 18 Mac 2022
- (xi) Konvensyen IEM Convention dan Pameran ENGINEER 2022 telah Berjaya dianjurkan dari 17-19 Mac 2022. Aktiviti ini akan membawa pendapatan sebanyak RM200,000 kepada IEM. Yang DiPertua juga memaklumkan kepada para ahli yang hadir bahawa Pameran ENGINEER dan Konvensyen IEM yang akan datang telah ditetapkan pada 6-9 September 2023 dan menggalakkan semua ahli membuat catatan dalam jadual masing-masing.

2.0 **AGENDA MAT**

Selepas menyelesaikan laporan beliau, Yang DiPertua seterusnya membentangkan Agenda Mesyuarat Agung Tahunan seperti berikut:

1. Pengesahan Minit Mesyuarat Agung Tahunan ke-62 yang telah diadakan pada 17 April 2021
2. Perkara-perkara berbangkit daripada Mesyuarat Agung Tahunan ke-62 yang telah diadakan pada 17 April 2021
3. Pembentangan Laporan Setiausaha Kehormat
4. Pembentangan Penyata Kewangan bagi tahun berakhir 31 Disember 2021
5. Soalan bertulis yang dihantar oleh ahli
6. Pembentangan Keputusan Pilihan Majlis Sesi 2022/2023
7. Penyampaian Anugerah
8. Ucapan Yang DiPertua untuk Sesi 2022/2023

Memandangkan tiada bantahan terhadap agenda tersebut, Ir. David Lai Kong Phooi (F09917) mencadangkan penerimaan agenda tersebut. Cadangan tersebut disokong oleh Dato' Ir. Hj. Ahmad Murad bin Omar (F04741).

Yang DiPertua kemudian meneruskan Mesyuarat Agung Tahunan ke-62 sepertimana dicadangkan.

3.0 **PENGESAHAN MINIT MESYUARAT AGUNG TAHUNAN KE-62 YANG DIADAKAN PADA 17 APRIL 2021**

Yang DiPertua menjemput ahli-ahli untuk meneliti minit Mesyuarat Agung Tahunan yang lepas dari mukasurat 52 hingga mukasurat 64. Para ahli juga diminta meneliti senarai kehadiran dari mukasurat 65 hingga 70 dan versi Bahasa Malaysia dari mukasurat 71 hingga 83.

Yang DiPertua seterusnya memaklumkan bahawa sekiranya terdapat ahli yang ingin mengulas, mereka perlu klik pada ikon "RAISE HAND".

Memandangkan tiada kesilapan yang diketengahkan dari minit tersebut, Ir. Gin Teang Wah (M13957) mencadangkan minit Mesyuarat Agung Tahunan ke-62 yang diadakan pada 17 April 2021 disahkan. Usul itu telah disokong oleh Ir. Wong Chee Fui (F20903).

4.0 **PERKARA-PERKARA BERBANGKIT**

Yang DiPertua kemudiannya memberikan penjelasan mengenai perkara-perkara yang dibangkitkan pada Mesyuarat Agung Tahunan ke-62 yang diadakan pada 17 April 2021:

4.1 **Mukasurat 59 - Perkara 6.9.1**

Dalam MAT tahun lepas, terdapat ulasan yang ditimbulkan bahawa kemudahan di Wisma IEM kurang digunakan dan terdapat keperluan untuk mengkaji pulangan modal kerana IEM telah membelanjakan RM200,000 untuk pengubahsuaian yang dilakukan.

MAT dimaklumkan bahawa Excomm telah memutuskan bahawa untuk menyewakan tingkat bawah kepada pengusaha catering/kafe lain bukanlah idea yang baik kerana ini bermakna orang luar dibenarkan memasuki bangunan tersebut. Ini akan menimbulkan isu kebersihan, keselamatan dan tempat letak kereta.

Tujuan utama pengubahsuaian dibuat dalam D'Place di tingkat bawah adalah untuk menyediakan persekitaran yang lebih kondusif dan ruang yang lebih besar untuk ahli-ahli yang menghadiri majlis atau kursus di IEM. Sebelum ini bilik di tingkat 2 terlalu kecil dan sempit, jadi tidak dapat menampung peserta yang menghadiri ceramah atau kursus teknikal IEM.

Oleh itu Excomm telah memutuskan untuk tidak menyewakan kemudahan tersebut kerana ia sepatutnya untuk kegunaan ahli-ahli IEM.

MAT juga dimaklumkan bahawa penambahbaikan ke atas fasiliti-fasiliti Wisma IEM juga bertujuan untuk menarik penyewa yang lebih baik untuk bahagian-bahagian bangunan yang lain. Yang DiPertua memaklumkan bahawa Wisma IEM telah dapat menghasilkan pendapatan yang agak lumayan pada tahun 2020 dengan mencatat kira-kira RM800,000 dari hasil sewa. Beliau juga menambah bahawa Jawatankuasa Tetap Kewangan telah melancarkan program baharu iaitu "upLIFE" untuk mendapatkan sumbangan demi menaikkan lagi taraf fasiliti-fasiliti Wisma IEM dan Bangunan Ingenieur bagi menyediakan kemudahan yang lebih baik kepada penyewa dan ahli-ahli IEM.

Ir. Yap Soon Hoe (F04086) yang telah membangkitkan isu ini pada MAT yang lalu mengambil maklum akan penjelasan tersebut tetapi membangkitkan isu perpindahan Perpustakaan. Beliau memberitahu MAT tentang maklumat yang telah didapati mengenai keputusan Excomm untuk tidak memindahkan Perpustakaan dan ingin mengetahui rasional keputusan tersebut. Beliau menegaskan bahawa Perpustakaan IEM telah menghadapi masalah berterusan seperti banjir dan kebocoran. Beliau mengulas bahawa terdapat tingkat mezanin di Wisma IEM yang dianggap sesuai untuk dipertimbangkan sebagai lokasi Perpustakaan IEM. Dengan kemudahan kafe di tingkat bawah, beliau berpendapat ahli-ahli boleh meminjam buku dan membaca di tingkat bawah. Beliau meminta MAT mempertimbangkan secara serius perpindahan Perpustakaan ke Wisma IEM.

Yang Dipertua memberitahu MAT bahawa Excomm sedang mengkaji kemungkinan untuk memindahkan Perpustakaan ke tingkat mezanin Wisma IEM. Excomm juga sedang mempertimbangkan untuk memperluaskan ruang yang sedia ada di tingkat mezanin supaya seluruh Perpustakaan dapat dipindahkan dan menyediakan persekitaran yang lebih kondusif kepada para ahli. IEM telah melantik Jurutera Struktur untuk memeriksa bebanan yang boleh ditampung oleh struktur tingkat mezanin sebelum tindakan selanjutnya diambil.

Ir. Yap Soon Hoe seterusnya meminta mandat diberikan kepada Excomm untuk menyelesaikan isu tersebut dalam tahun ini.

Y.Bhg. Academician Tan Sri Ir. Prof. Em. Dr. Chuah Hean Teik (HF09157) bersetuju bahawa terdapat keperluan untuk menyediakan kemudahan yang lebih baik kepada para ahli tetapi mengulas bahawa terdapat banyak perkara yang perlu dipertimbangkan. Oleh itu, bagi memutuskan tarikh siap itu dalam setahun, beliau mencadangkan perkara itu diserahkan kepada Majlis dan Excomm untuk perbincangan lanjut.

Yang DiPertua mengucapkan terima kasih kepada Y.Bhg. Academician Tan Sri Ir. Prof. Em. Dr. Chuah di atas komennya dan memberi jaminan kepada MAT bahawa Majlis dan Excomm yang baharu pasti akan meneliti perkara yang dibangkitkan.

5.0 LAPORAN TAHUNAN SESI 2021/2022

Yang DiPertua kemudiannya menjemput Setiausaha Kehormat, Ir. Assoc. Prof. Dr. David Chuah Joon Huang untuk membentangkan pelbagai aktiviti dan acara yang dianjurkan pada tahun 2021 yang dicetak pada mukasurat 90 hingga 141 dalam Laporan Tahunan. Setiausaha Kehormat kemudian melaporkan perkara-perkara yang diketengahkan dalam Laporan Tahunan seperti berikut:

5.1 Majlis dan Jawatankuasa Eksekutif

Bagi Sesi 2021/2022, Majlis telah mengadakan empat (4) mesyuarat. Dalam mesyuarat Majlis, mereka membincangkan perkara berkaitan dasar serta pengurusan harta dan hal ehwal Institusi.

Manakala Jawatankuasa Eksekutif pula telah mengadakan tigabelas (13) mesyuarat am bagi Sesi 2021/2022 dan tiga (3) mesyuarat khas terutamanya tertumpu kepada perlaksanaan keputusan Majlis. Setiausaha Kehormat memaklumkan lazimnya Jawatankuasa Eksekutif akan bermesyuarat setiap bulan tetapi bagi sesi 2021/2022, tiga (3) mesyuarat khas telah diadakan untuk membincangkan perkara berbangkit yang mendesak.

MAT dimaklumkan lagi bahawa mesyuarat Majlis telah diadakan secara maya tetapi mesyuarat Jawatankuasa Eksekutif telah diadakan sepenuhnya secara fizikal.

5.2 Jawatankuasa Tetap dan Operasi Harian

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

5.3 Keahlian

Sehingga 31 Disember 2021, seramai 3,177 calon telah diluluskan untuk kemasukan/pemilihan/perpindahan ke pelbagai gred. Daripada ahli baharu yang diterima, 1,553 adalah siswa. Bagaimanapun, pada akhir tahun, 3,036 ahli telah tertunggak keahlian mereka berbanding 3,401 pada 2020. Jumlah keseluruhan keahlian IEM pada 1 Mac 2022 ialah 46,634.

Di peringkat antarabangsa, pecahan adalah seperti berikut; 12 calon telah didaftarkan untuk APEC & IntPE, 12 untuk ASEAN Engineers (AE), 15 untuk Associate ASEAN Engineers (AAE) dan seorang (1) untuk Associate Engineering Technologist.

Dari segi pecahan keahlian mengikut gred, Setiausaha Kehormat seterusnya memaklumkan bahawa keahlian Siswa mempunyai peratusan tertinggi iaitu 54.2% diikuti oleh Ahli (23.5%), Siswazah (19%), Felo (1.7%) dan gred lain seperti Incorporated, Affiliate and Associate adalah 1.6%.

Bagi pecahan dari segi disiplin kejuruteraan utama, Kejuruteraan Awam mempunyai peratusan tertinggi iaitu 33%, diikuti oleh Mekanikal (25%), Elektrikal (15%), Elektronik (9%) dan Kimia (7%).

5.4 Temuduga Profesional

MAT seterusnya dimaklumkan bahawa bagi sesi 2021/2022, seramai 197 calon telah memohon untuk menduduki Temuduga Profesional. Dimaklumkan lagi bahawa 106 calon telah lulus manakala 21 gagal dalam Temuduga Profesional.

5.5 Penerbitan IEM

Setiausaha Kehormat memaklumkan MAT bahawa dua belas (12) terbitan "Jurutera" – Buletin IEM telah diterbitkan pada tahun 2021.

Buletin Elektronik, yang boleh dibaca tanpa dimuat turun, telah dilaksanakan dan dihantar melalui e-mel kepada para ahli pada setiap bulan. MAT juga dimaklumkan bahawa ahli yang ingin memiliki salinan bercetak majalah tersebut boleh mendapatkannya dari pejabat IEM.

Dilaporkan lagi bahawa dua (2) keluaran Jurnal juga telah diterbitkan dan dimuatnaik di laman web IEM.

5.6 **Aktiviti-aktiviti 2021**

Setiausaha Kehormat juga melaporkan bahawa keseluruhannya terdapat 290 aktiviti yang telah dikendalikan untuk Sesi 2021/2022. Aktiviti-aktiviti ini termasuk ceramah teknikal (248), lawatan teknikal (4), kursus dan seminar (36), persidangan maya (1) dan simposium (1).

5.7 **Manfaat Ahli**

Mesyuarat Agung Tahunan juga dimaklumkan bahawa IEM telah mendapatkan persefahaman daripada lebih banyak jenama barangan untuk menambahkan manfaat Kad “Loyalty IEM” seperti Kasut KyBUN dan Menara Optometry. IEM masih

IEM juga telah mendapat persefahaman dengan Universiti Heriot Watt Malaysia di mana semua ahli IEM serta pasangan dan anak mereka yang mendaftar dalam mana-mana program pasca siswazah universiti tersebut boleh mendapat diskaun 10% ke atas yuran pengajian yang diterbitkan.

IEM juga sedang berbincang dengan Bank Islam untuk menawarkan bantuan kewangan kepada ahli-ahli IEM terutamanya kepada mereka yang kehilangan pekerjaan atau pengurangan pendapatan bulanan. Antara tawaran mereka termasuk pembiayaan peribadi, pembiayaan rumah, dan lain-lain.

5.8 **Webinar IEM**

MAT dimaklumkan bahawa sebanyak 600 webinar telah dijalankan sejak permulaan wabak pada Mac 2020 hingga Mac 2022. Seramai 53,505 ahli dan bukan ahli telah menghadiri webinar-webinar ini yang telah menghasilkan pendapatan sebanyak RM813,264 untuk IEM. Untuk tahun 2021 sahaja, pendapatan yang dihasilkan daripada webinar adalah RM590,930.

Bahagian Teknikal Kejuruteraan Elektrik merupakan Bahagian Teknikal yang telah menganjurkan paling banyak webinar diikuti oleh Bahagian Teknikal Minyak, Gas dan Perlombongan dan Bahagian Teknikal Kejuruteraan Awam dan Struktur.

5.9 **Aplikasi Mudah Alih IEM**

Setiausaha Kehormat seterusnya melaporkan bahawa kira-kira 31,800 ahli telah memberikan persetujuan untuk dimasukkan dalam langganan aplikasi mudah alih IEMGo. Para ahli akan menerima Jurutera dan Jurnal terkini, maklumat mengenai webinar serta aktiviti-aktiviti IEM dan Surat Pekeliling serta notifikasi terkini.

Ciri-ciri baharu yang akan datang termasuk Kumpulan Sembang Komuniti, Kad Perniagaan dan Kad Loyalty IEM dalam format elektronik. Ciri tambahan yang sedang diterokai termasuk penyemakan rekod CPD dan diskaun istimewa daripada rakan niaga IEM.

5.10 **Garis panduan IEM untuk Industri**

Dalam sesi 2021/2022, IEM telah menerbitkan dua set garis panduan seperti berikut:

- “Guideline on Testing and Commissioning of Fire Protection Systems”
- “Guideline on Flood Abatement Equipment – Engineering Guide of Designation, Testing and Documentation”

Garis panduan yang telah siap tetapi sedang diteliti oleh Majlis IEM ialah:

- “IEM Guideline on the Prevention and Control of Dengue” di bawah pimpinan Dato’ Ir. Lim Chow Hock

5.11 **Aktiviti-aktiviti CSR IEM**

Di bawah usaha Jawatankuasa Tetap Kebajikan dan Perkhidmatan Ahli bersama Bahagian Teknikal dan SIG, sumbangan berbentuk barangan telah dikumpul pada 25 Disember 2021 dan dihantar ke Pusat Pengumpulan Selangor di Seksyen 14, Petaling Jaya untuk membantu rakyat Malaysia yang terjejas akibat banjir.

IEM juga memulakan kutipan derma untuk mendapatkan bantuan kewangan untuk ahli-ahli IEM yang terjejas akibat banjir. Sebanyak RM7,265 telah dikutip daripada ahli-ahli IEM yang murah hati dan RM8,000 lagi disumbangkan oleh AFRIMA Sdn Bhd. Dana tersebut disalurkan kepada dua belas ahli IEM yang terjejas akibat banjir di Lembah Klang dengan sumbangan RM1,000.00 setiap seorang dan bakinya akan diperuntukkan untuk ahli dari Cawangan-cawangan IEM yang memerlukan bantuan.

5.12 **Pekeliling IEM**

Sebanyak 26 pekeliiling IEM telah dikeluarkan berkaitan maklumat pakej insentif oleh kerajaan, garis panduan terkini daripada agensi kerajaan dan kemas kini laporan daripada IEM.

Ahli-ahli boleh merujuk ke laman web IEM jika perlu.

5.13 **IETA dan AIET – Teknologis Kejuruteraan dan Juruteknik Kejuruteraan**

IEM akan mengemukakan permohonan untuk Keahlian Penuh semasa mesyuarat IEA pada bulan Jun 2022.

5.14 **Sesi Soal Jawab**

5.14.1 Ir. Tay Ching En, Marcus (M34906) bertanya tentang jumlah kelulusan dan kegagalan untuk Temuduga Profesional yang tidak sama dengan bilangan calon yang telah memohon.

Setiasaha Kehormat menjelaskan bahawa beberapa keputusan calon belum masuk dan ada yang masih menunggu pelantikan penemuduga.

Memandangkan tiada sebarang komen atau pertanyaan lanjut daripada para ahli yang hadir samada melalui dalam talian dan yang berada di auditorium, Ir. Dr. Mui Kai Yin (F18773) mencadangkan Laporan Tahunan itu diterima. Usul itu disokong oleh Ir. Hj. Mohd Aman bin Idris (F02176).

6.0 **AKAUN BAGI TAHUN BERAKHIR 31 DISEMBER 2021**

Yang DiPertua kemudian menjemput Bendahari Kehormat, Ir. Fam Yew Hin untuk membentangkan penyata kewangan untuk Institusi Jurutera Malaysia bagi tempoh 1 Januari 2021 hingga 31 Disember 2021. Ir. Fam Yew Hin memaklumkan MAT bahawa akaun yang dibentangkan adalah dari muka surat 153 hingga 182.

6.1 Bendahari Kehormat memaklumkan MAT bahawa penyata kewangan yang dibentangkan terdiri daripada tiga (3) set akaun iaitu IEM, IEM Training Academy Sdn Bhd dan IEM Academy Sdn Bhd. Beliau juga memaklumkan bahawa penyata kewangan tersebut tidak termasuk akaun bagi cawangan. Penggabungan akaun semua cawangan dibentangkan secara berasingan di muka surat 183 – 184.

MAT juga dimaklumkan bahawa ruang bertajuk “Kumpulan” merujuk kepada akaun yang telah digabungkan iaitu IEM, IEM Training Academy Sdn Bhd dan IEM Academy Sdn Bhd.

6.2 Bendahari Kehormat melaporkan bahawa jumlah pendapatan bagi tahun 2021 adalah RM5,039,134, penambahan sebanyak 1.6% berbanding tahun 2020 berjumlah RM4,960,180.

6.3 Bendahari Kehormat seterusnya melaporkan terdapat penurunan sebanyak 0.7% pada jumlah kutipan yuran keahlian iaitu 86.4% pada 2021 berbanding 87.1% pada 2020.

6.4 Berdasarkan perbandingan pendapatan, Bendahari Kehormat seterusnya memaklumkan bahawa terdapat penurunan sebanyak 3.4% dari pendapatan sewa, 95% peningkatan dari perkhidmatan Institusi, peningkatan 547% dari pendapatan pelbagai dan penurunan 26.9% dalam levi timbangtara. Selain daripada itu, terdapat penurunan masing-masing sebanyak 25.3% dan 3.4% dari pendapatan faedah deposit tetap, dan komisen kad kredit.

6.5 Bendahari Kehormat seterusnya melaporkan bahawa jumlah perbelanjaan bagi tahun 2021 adalah RM4,680,990, penurunan sebanyak 2.8% berbanding tahun 2020 iaitu RM4,816,193.

Penyumbang utama kepada perbelanjaan ialah emolumen Secretariat (48.6%), penyelenggaraan bangunan (20.8%), perbelanjaan pentadbiran (12.1%), Subsidi cawangan (12.3%), yuran keahlian tertunggak dihapuskan (4.7%) dan susutnilai peralatan (1%).

MAT juga diberitahu bahawa penjimatan perbelanjaan adalah terutamanya daripada bahagian pentadbiran seperti perkhidmatan mel, percetakan pejabat dan alat tulis, pos serta perkhidmatan perakaunan.

Pendapatan yang dihasilkan oleh Bahagian Teknikal telah menunjukkan peningkatan yang ketara di mana hasil adalah dua kali ganda pendapatan 2020. Pendapatan terutamanya didapati dari penganjuran webinar.

6.6 Prestasi keseluruhan Institusi adalah lebih sebanyak RM358,144 untuk tahun 2021 berbanding deficit RM23,414 pada tahun 2020. Ini adalah peningkatan yang ketara berbanding tahun 2020.

Berhubung prestasi anak-anak syarikat, MAT dimaklumkan bahawa IEM Training Academy mencatatkan kerugian bersih sebanyak RM455,191 manakala IEM Academy Sdn Bhd mencatatkan kerugian bersih sebanyak RM217,323.

6.7 MAT mengambil maklum bahawa beberapa Cawangan mempunyai lebih pendapatan seperti Kedah/Perlis, Perak, Kelantan, Terengganu, Pahang, Melaka dan Negeri Sembilan.

Yang DiPertua kemudiannya mengucapkan terima kasih kepada Bendahari Kehormat atas laporannya dan terus menjemput soalan daripada para ahli. Ahli yang hadir dalam talian diminta klik pada ikon "RAISE HAND" sekiranya mereka ingin bertanya sebarang soalan.

6.8 Sesi Soal Jawab – Akaun

6.8.1 Ir. Yap Soon Hoe (F04086) bertanya sama ada kerugian yang dialami oleh IEM Training Academy dan IEM Academy adalah akibat implikasi cukai daripada WTC2020. Yang DiPertua melaporkan bahawa kerugian itu bukan disebabkan oleh cukai prabayar WTC2020. Ia terutamanya disebabkan oleh penurunan dari bisnes utama akibat pandemik COVID-19. Beliau memaklumkan bahawa bagi tahun 2021, terdapat 99 aktiviti yang telah dirancang tetapi hanya 47% yang berjaya diteruskan. Banyak kursus terpaksa dibatalkan dan pendapatan telah terjejas. Bagi tahun 2021, jumlah pulangan daripada kursus yang dikendalikan hanya RM210,000 berbanding tahun sebelumnya, di mana hanya persidangan WTC2020 sahaja telah menghasilkan pendapatan RM3.3 juta. Dengan penggabungan operasi kedua-dua syarikat itu pada tahun 2021, kos pemberhentian pekerja mengikut undang-undang juga dibayar. Selain kos kakitangan berjumlah kira-kira RM470,000, terdapat juga perbelanjaan sewa dan pentadbiran lain yang ditanggung. Bagi tahun 2022, pihak pengurusan membentangkan bajet sebanyak RM1.2 juta dan diharap aktiviti yang dirancang yang bakal membawa keuntungan RM180,000 akan dapat direalisasikan.

IEM Academy kini dalam keadaan dormant dan dalam proses penyelesaian akaun. Langkah-langkah sedang diambil untuk mendapatkan rebat cukai yang terlebih bayar tetapi ini tiada kaitan dengan WTC2020.

Sementara itu, bagi cukai yang telah terlebih bayar untuk WTC2020 berjumlah kira-kira RM1 juta, pihak pengurusan telah berjumpa dengan LHDN dan memberikan maklumat tambahan yang dikehendaki. MAT dimaklumkan bahawa usaha untuk mendapatkan kembali cukai terlebih bayar itu masih diteruskan.

MAT juga dimaklumkan bahawa dari segi geran dari MYCEB, mereka telah memaklumkan IEM bahawa IEM tidak perlu membuat bayaran balik untuk geran yang diberikan oleh mereka berjumlah RM165,000. Pembayaran balik geran tersebut pada asalnya perlu dibuat kerana WTC2020 sepatutnya dianjurkan secara fizikal dan bukan secara maya.

Yang DiPertua juga memaklumkan MAT bahawa penggabungan operasi kedua-dua anak syarikat itu adalah supaya tenaga kerja tidak terlalu ramai di samping pengurangan duplikasi bisnes dan seterusnya mengurangkan kos operasi.

6.8.2 Ir. Yeoh Hak Koon (M15203) mempersoalkan bahawa terdapat percanggahan dari segi laporan dalam slaid di mana pendapatan direkodkan sebagai RM5 juta tetapi pada muka surat 158 laporan tahunan, jumlah pendapatan yang direkodkan adalah berbeza.

Yang DiPertua menjelaskan bahawa jumlah yang dinyatakan di muka surat 158 tidak termasuk pendapatan daripada Perkhidmatan Institusi dan Sewa. Ir. Fam Yew Hin seterusnya menjelaskan bahawa pendapatan yang dinyatakan di muka surat 158 berjumlah RM3,461,181 perlu ditambahkan dengan Pendapatan Sewa dari muka surat 178 berjumlah RM792,441 dan pendapatan Perkhidmatan Institusi di muka surat 158 berjumlah RM785,512.

6.8.3 Ir. Ho Choon Kwang (M17178) bertanya tentang yuran keahlian yang dihapus sebanyak 4.7%. Bendahari Kehormat memaklumkan bahawa yuran keahlian yang tertunggak akan dihapuskan sebagai hutang lapuk jika tidak diterima selepas setahun. Namun, bila ahli tersebut kembali untuk aktifkan keahliannya, yuran tertunggak yang dibayar akan diletak dalam kategori yang berbeza. Praktis IEM selama ini adalah jika ada ahli yang masih tidak membayar yuran keahlian mereka lebih daripada setahun, IEM akan menghapus kira jumlah tertunggak itu sebagai hutang lapuk.

6.8.4 Ir. Thayala Rajah (M03717) memaklumkan bahawa perbelanjaan Bahagian Jurutera Muda (YES) tidak dikongsi dalam pembentangan akaun itu. Bendahari Kehormat memaklumkan bahawa maklumat yang dikongsikan dalam pembentangan serta laporan tahunan bercetak adalah ringkasan prestasi kewangan. Butiran terperinci tidak dapat dimasukkan dan ini termasuk perbelanjaan oleh semua Jawatankuasa dan Bahagian Teknikal. Namun begitu, mana-mana ahli yang ingin mendapatkan maklumat boleh minta maklumat tersebut secara bertulis kepada IEM. Bagaimanapun, untuk ringkasan Pendapatan dan Perbelanjaan untuk YES, para ahli boleh merujuk kepada muka surat 181 dalam laporan tahunan.

Oleh kerana tiada soalan lanjut daripada ahli yang hadir secara fizikal mahupun atas talian, Dato' Ir. Dr. Ahmad Anuar Othman (F13148) mencadangkan penerimaan Penyata Kewangan IEM bagi tahun berakhir 31 Disember 2021. Usul itu disokong oleh Ir. Prof. Dr. Tan Chee Fai (F18343). MAT kemudiannya mengesahkan penerimaan Penyata Kewangan tersebut.

7.0 PENYATA KEWANGAN DANA PENDIDIKAN – 31 DISEMBER 2021

Bendahari Kehormat kemudiannya meneruskan laporan Penyata Kewangan Dana Pendidikan bagi tahun berakhir 31 Disember 2021 dari mukasurat 186 hingga mukasurat 195.

7.1 MAT dimaklumkan bahawa sumbangan yang diterima berjumlah RM35,727 pada tahun 2021 berbanding RM55,826 pada tahun 2020.

7.2 Bendahari Kehormat melaporkan bahawa dalam perbelanjaan, biasiswa yang diberikan pada tahun 2021 adalah RM42,000.

7.3 MAT juga dimaklumkan bahawa secara keseluruhan, Dana Pendidikan mencatatkan deficit RM7,746 berbanding lebihan RM11,964 pada tahun 2020. Bagi tahun 2021, Dana Pendidikan dapat mematuhi peraturan perbelanjaan 50% yang diwajibkan oleh Lembaga Hasil Dalam Negeri (LHDN) bagi Akaun yang Dikecualikan Cukai.

7.4 Bagi kedudukan kewangan keseluruhan Dana Pendidikan, MAT mengambil maklum terdapat kenaikan sebanyak 1% bagi deposit tetap, tunai dalam bank dan tunai runcit berjumlah RM1,881,493 manakala Dana Terkumpul ialah RM2,548,406 yang mencatatkan peurunan sebanyak 0.3% berbanding dengan 2020.

Oleh kerana tiada soalan daripada pihak ahli, Ir. Yap Soon Hoe (F04086) mencadangkan penerimaan penyata kewangan Dana Pendidikan bagi tahun berakhir 31 Disember 2021 dan usul itu disokong oleh Ir. Lee Cheng Pay (M36663). MAT kemudiannya menerima penyata kewangan Dana Pendidikan tersebut.

8.0 PERBINCANGAN ISU BERTULIS YANG DITERIMA DARIPADA AHLI

8.1 Isu 1

Yang DiPertua IEM tidak seharusnya menjadi antara orang yang dicalonkan daripada IEM, untuk dipertimbangkan bagi lima jawatan dalam Lembaga Jurutera Malaysia (BEM) sebagai wakil IEM; Ini disebabkan sekiranya terdapat sebarang isu/keputusan yang dibuat di BEM yang memudaratkan IEM*, maka Yang DiPertua IEM akan mempunyai kelonggaran untuk menguatkuasakan barisan pertahanan kedua semasa perbincangan samada di Excomm atau Majlis IEM – untuk isu/keputusan yang dibuat di BEM untuk dibincangkan/dirundingkan dengan BEM di peringkat Yang DiPertua kedua-dua organisasi, atau di peringkat Institusi.

*** ini adalah di atas andaian bahawa walaupun terdapat lima wakil yang hadir di BEM (dengan hak mengundi di BEM), undian majoriti di peringkat BEM mungkin masih tidak memihak kepada IEM.**

Ir. Dr. Teo Fang Yenn (F26373), ahli yang telah menghantar isu tersebut, telah dijemput untuk membentangkan isu beliau kepada MAT.

Ir. Dr. Teo memaklumkan MAT bahawa isu yang dibangkitkan itu bukan bertujuan untuk mempersoalkan Yang DiPertua, Mantan-mantan Yang DiPertua atau Yang DiPertua akan datang mengenai pengendalian semua isu berkaitan IEM di peringkat BEM. Malah, beliau ingin mengucapkan syabas kepada mereka kerana berjaya mengekalkan hubungan baik dengan BEM serta organisasi profesional lain. Resolusi yang dikemukakan adalah untuk menjamin dan melindungi kedudukan IEM. Beliau berpendapat bahawa Yang DiPertua adalah wakil tertinggi IEM jadi seharusnya tidak termasuk dalam kalangan ahli yang dicalonkan untuk dipertimbangkan untuk jawatan dalam BEM atas alasan yang disebutkan. Beliau juga menekankan bahawa "conflict of interest" juga merupakan salah satu kebimbangan. Beliau membangkitkan isu ini dalam MAT supaya perkara itu boleh dibincangkan secara terbuka dan mungkin perlu untuk menubuhkan Jawatankuasa Kecil yang diketuai oleh salah seorang Mantan Yang DiPertua untuk membincangkan perkara itu untuk masa depan IEM.

Yang DiPertua telah berkongsi pengalaman beliau semasa berkhidmat dalam Lembaga BEM di mana beliau dapat membina hubungan yang lebih erat dengan lebih banyak penglibatan secara langsung di peringkat BEM. Beliau berpendapat penglibatan itu sememangnya akan membantu IEM dalam memperjuangkan isu-isu tertentu.

Hubungan rapat dan penglibatan dengan ahli Lembaga BEM adalah sangat berkesan dalam mengetengahkan isu-isu penting bagi IEM. Beliau memilih isu IETA dan AIET di mana IEM telah diluluskan untuk mewakili negara dalam menandatangani kedua-dua perjanjian tersebut. Beliau dan Mantan Yang DiPertua telah melakukan banyak usaha untuk melibatkan Presiden dan ahli-ahli Lembaga BEM untuk membenarkan IEM menandatangani kedua-dua perjanjian ini. Tanpa hubungan rapat, beliau rasa sekadar pertemuan dengan orang yang tidak dikenali dalam sesuatu perbincangan, keputusannya mungkin tidak begitu menggalakkan. Yang DiPertua IEM yang berkhidmat dalam Lembaga BEM juga boleh membentangkan pendapat/kebimbangan IEM semasa keputusan sedang dibuat oleh BEM. Ini akan menjaga manfaat IEM.

Yang DiPertua juga mengetengahkan isu mengenai Pindaan Peraturan 34 berkenaan pembukaan pemilikan ECP. Beliau memaklumkan MAT bahawa semasa perbincangan di peringkat Lembaga BEM, semua wakil IEM telah mempertahankan suara ahli-ahli IEM tanpa mengira pendapat wakil itu sendiri. Sebagai Yang DiPertua IEM yang menganggotai Lembaga BEM, beliau juga akan berkongsi kebimbangan para ahli IEM dengan Lembaga BEM. Memandangkan isu ini belum dibincangkan di peringkat Majlis atau Excomm, Yang DiPertua mencadangkan isu ini dibawa ke Majlis dan Excomm untuk perbincangan yang lebih lanjut.

Ir. Razmahwata bin Mohamad Razalli (F17029) menyoal samada perkara ini adalah usul untuk resolusi dari MAT. Yang DiPertua memaklumkan bahawa isu ini hanya kebimbangan se-seorang ahli untuk perbincangan MAT. Ir. Razmahwata juga mengatakan bahawa sebagai ahli biasa, beliau merasakan isu ini lebih sesuai diputuskan oleh Excomm kerana mereka adalah pihak yang terlibat secara aktif dengan BEM dan semua badan-badan yang lain. Beliau berpendapat isu ini tidak perlu dibincangkan lebih lanjut dalam MAT.

Academician Tan Sri Ir. Prof. Em. Dr. Chuah Hean Teik memaklumkan MAT bahawa isu samada Yang DiPertua IEM patut berkhidmat dalam Lembaga BEM bukanlah isu baharu. Cadangan yang sama telah diamalkan oleh Datuk Ir. Prof. Dr. Ow Chee Sheng yang tidak mengemukakan nama beliau sebagai calon dalam pemilihan wakil IEM untuk berkhidmat dalam Lembaga BEM semasa beliau menjadi Yang DiPertua. Beliau berpendapat yang sama bahawa beliau kemudiannya boleh membincangkan isu-isu penting dalam peringkat Presiden dengan Presiden.

Academician Tan Sri Ir. Prof. Em. Dr. Chuah berpendapat bahawa samada Yang DiPertua patut berkhidmat dalam Lembaga BEM akan memberi manfaat kepada IEM bergantung kepada se-seorang individu; samada beliau mempunyai kemahiran yang cukup persuasif dan boleh bergaul dengan ahli Lembaga BEM yang lain untuk mencapai sesuatu untuk IEM.

Beliau bagaimanapun berpendapat bahawa perkara itu perlu dibincangkan dengan lebih lanjut di Excomm dan Council untuk mara ke hadapan. Beliau menekankan bahawa MAT tidak seharusnya membuat keputusan kerana keadaan boleh berubah dan MAT tidak seharusnya membuat keputusan yang akan menghalang Yang DiPertua di masa hadapan. Selagi wakil itu boleh membawa dirinya dengan baik, ia akan membawa manfaat kepada IEM.

Ir. Mohd Aman bin Hj. Idris (F02176) memaklumkan bahawa beliau telah membangkitkan isu yang sama dalam Excomm beberapa tahun lalu dan keputusannya adalah untuk Yang DiPertua terkini untuk memutuskan samada beliau ingin berkhidmat dalam Lembaga BEM. Beliau juga menegaskan bahawa selain IEM, Presiden ACEM dan Presiden MySET juga berada dalam Lembaga BEM. Beliau turut mengulas bahawa memandangkan ahli yang membangkitkan isu itu adalah dari Excomm, adalah wajar beliau membangkitkannya di Excomm dan jika beliau merasakan Excomm terlalu kecil, beliau boleh membangkitkannya di Majlis.

Dato' Paduka Ir. Hj. Keizrul bin Abdullah memaklumkan bahawa beliau telah lama berkhidmat dalam BEM dan banyak kali mewakili IEM dalam pelbagai jawatan. Beliau merasakan adalah penting bagi Yang DiPertua IEM untuk berada dalam Lembaga BEM. Jika beliau berada dalam Lembaga BEM, beliau boleh memperjuangkan matlamat IEM dan dengan itu tidak memerlukan barisan pertahanan kedua.

Ir. Tu Yong Eng (M15448) menegaskan bahawa untuk mempunyai hubungan rapat, Yang DiPertua tidak perlu berada dalam Lembaga BEM dan masih boleh mempunyai hubungan Presiden dengan Presiden.

Dato' Ir. Lim Chow Hock mengulas bahawa ia harus menjadi keputusan Yang DiPertua terkini samada beliau patut berada dalam Lembaga BEM. Beliau mencadangkan mandat diberikan kepada Majlis dan Excomm untuk memutuskan perkara ini.

MAT bersetuju mandat diberikan kepada Excomm/Majlis untuk membincangkan perkara ini.

8.2

Isu 2

IEM hendaklah mengekalkan piawaian penilaian dan peperiksaan untuk Jurutera Profesional Malaysia. Kehidupan, keselamatan, kesihatan dan kebajikan orang awam adalah bergantung kepada pertimbangan kejuruteraan, keputusan dan amalan yang dijalankan oleh Jurutera Profesional. Oleh itu, gelaran dan pengiktirafan Jurutera Profesional hanya boleh diberikan kepada jurutera yang cekap dari segi teknikal.

Status Jurutera Profesional Malaysia telah lama diiktiraf di peringkat antarabangsa. IEM sebagai penandatanganan perjanjian IPEA/APEC, telah bekerja keras untuk mempromosikan Jurutera Profesional Malaysia di peringkat antarabangsa dan membolehkan mobiliti antarabangsa untuk jurutera latihan kami.

IEM hendaklah memastikan keperluan berikut dalam penilaian PEng semasa di Malaysia bukan sahaja dikekalkan, malah dipertingkatkan.

- (i) Laporan teknikal. Ini adalah dokumen yang sangat penting kerana ia akan membentangkan salah satu projek kejuruteraan pemohon secara terperinci (lengkap dengan pengiraan reka bentuk, spesifikasi dan lukisan).
- (ii) Keperluan minimum untuk mencerminkan tapak kejuruteraan dan pengalaman reka bentuk. Ini juga merupakan kriteria penting kerana ia mengukur jangkaan minimum seorang jurutera siswazah dalam mengamalkan kejuruteraan sebagai pilihan kerjaya sebelum memohon untuk menjadi Jurutera Profesional.
- (iii) Peperiksaan bertulis teknikal. Keperluan ini menetapkan standard kecekapan dalam menyampaikan pemikiran dan idea kepakaran teknikal melalui bentuk bertulis dengan cara yang jelas, tepat dan ringkas.

Pembuangan, penggantian atau pencairan keperluan ini akan membawa implikasi ke atas standard Jurutera Profesional Malaysia. Kita perlu memastikan bahawa hanya jurutera yang cekap dari segi teknikal dan mematuhi etika profesional layak mendapat gelaran dan pengiktirafan PEng. Jika tidak, dalam jangka masa panjang, kita akan kehilangan kedudukan antarabangsa dan mobiliti untuk jurutera kita.

Pencadang isu tersebut, Ir. Wong Chee Fui (F20903) telah dijemput untuk membentangkan isu tersebut.

Ir. Wong memberitahu MAT bahawa berdasarkan webinar yang dijalankan oleh BEM, terdapat perubahan yang agak drastik dalam "Outcome Based PAE" seperti laporan teknikal tidak lagi diperlukan dan esei teknikal digantikan dengan pembentangan sendiri oleh calon. Beliau mengakui bahawa IEM telah bekerjasama rapat dengan Kumpulan Kerja BEM dalam perkara ini tetapi ingin isu tersebut direkodkan supaya akan terdapat tindakan susulan untuk mengekalkan integriti dan pengiktirafan Jurutera Profesional.

Yang DiPertua menjelaskan bahawa beberapa syarat baru telah diumumkan secara mengejut yang mengejutkan semua orang dan IEM telah menulis kepada BEM mengenai isu itu serta mengadakan beberapa pertemuan dengan Kumpulan Kerja untuk menyampaikan kebimbangan IEM. Beliau memaklumkan bahawa sebaik sahaja dimaklumkan mengenai kandungan webinar BEM pada 25 Februari, beliau telah meminta Kumpulan Kerja IEM untuk meneliti isu tersebut. IEM telah menulis surat kepada BEM dan menganjurkan bahawa laporan teknikal dan esei perlu disertakan untuk memastikan standard minimum dikekalkan. Disebabkan hubungan baik dengan Presiden BEM, Yang DiPertua dan Timbalan Yang DiPertua telah bertemu dengan beliau pada 1 April untuk menyampaikan isu tersebut dan Presiden BEM telah setuju dengan kebimbangan tersebut.

Susulan dari perjumpaan tersebut, satu mesyuarat bersama telah diatur antara wakil IEM dan Kumpulan Kerja BEM pada 8hb April dan IEM dimaklumkan bahawa laporan Latihan & Pengalaman akan dinamakan semula sebagai Laporan Teknikal dengan keperluan aspek teknikal dan juga keperluan minimum untuk disiplin utama. Ia juga dipersetujui untuk membentuk Kumpulan Kerja untuk menghasilkan piawaian minimum bagi setiap disiplin. IEM juga meminta nota penerangan disemak semula untuk mencerminkan apa yang telah dipersetujui dan esei teknikal hanya akan dikecualikan jika calon mendapat sekurang-kurangnya 3 mata semasa temu duga lisan. Beliau menambah bahawa IEM akan terus meneruskan isu ini dan memberi jaminan kepada MAT, bahawa Majlis dan Excomm juga ingin mengekalkan standard Jurutera Profesional. Memandangkan Jurutera Profesional juga merupakan syarat kemasukan untuk Daftar APEC dan IntPE untuk Malaysia, terdapat keperluan untuk memastikan pematuhan kepada piawaian yang setara dan IEM akan terus membuat tindakan susulan mengenai perkara ini.

Ir. Lee Meng Chiat (F11358) berpendapat bahawa untuk konsistensi, “Outcome Based PAE” dan “Outcome Based PI” sepatutnya sama. Laporan Teknikal diperlukan untuk calon menunjukkan pengetahuan kejuruteraan teknikalnya dalam kategori kecekapan A dan B. Esei teknikal kemudiannya adalah untuk menyemak samada calon PI benar-benar telah melakukan apa yang dinyatakan dalam dokumen mereka. Adalah tidak wajar untuk menjadikan laporan teknikal dan esei teknikal tidak perlu untuk “Outcome Based PAE”. Mengenai isu pengguguran kategori kompetensi E, beliau menekankan bahawa kategori kompetensi E bukan hanya untuk penilaian kod etika, malah ada elemen lain. Beliau meminta pihak HQ mengkaji semula isu tersebut dengan BEM.

Ir. Lee Meng Chiat (F11358) menyatakan pendapat beliau bahawa untuk konsistensi, “Outcome Based PAE” yang baru” dan “Outcome Based PI” sepatutnya sama. Laporan Teknikal diperlukan untuk calon membuktikan pengetahuan kejuruteraan teknikalnya dalam kategori kecekapan A dan B. Esei teknikal kemudiannya adalah untuk menyemak samada calon tersebut adalah untuk memberi penjelasan bahawa mereka benar-benar telah melakukan apa yang ditulis dalam dokumen mereka. Beliau sambung bahawa adalah tidak wajar untuk mengeluarkan laporan teknikal dan esei teknikal daripada “Outcome Based PAE”. Mengenai isu pengguguran kategori kompetensi E, beliau menekankan bahawa kategori kompetensi E bukan hanya untuk penilaian kod etika, malah ada elemen lain. Beliau meminta ibu pejabat mengkaji semula isu tersebut dengan BEM.

Yang DiPertua mengucapkan terima kasih di atas keperihatinan beliau dan memberi jaminan bahawa IEM akan terus mengemukakan kebimbangan tersebut kepada BEM.

9.0

PENGUMUMAN KEPUTUSAN e-BALLOTING MAJLIS BAGI SESI 2022/2023

Yang DiPertua seterusnya menjemput Pegawai Pemilihan, Y.Bhg. Dato’ Paduka Ir. (Dr.) Hj. Keizrul Abdullah untuk mengumumkan keputusan pemilihan bagi sesi 2022/2023.

Y.Bhg. Dato’ Paduka Ir. (Dr.) Hj. Keizrul Abdullah memaklumkan MAT bahawa IEM telah memperkenalkan “Electronic Balloting system (e-Ballot)” buat kali pertama semasa pemilihan untuk sesi 2020/2021. Sebagai langkah menambahbaikan e-Ballot tersebut, IEM telah menjalankan tinjauan bagi mendapatkan maklumbalas daripada para ahli tentang kelemahan dan penambahbaikan yang perlu. Berdasarkan maklumbalas tersebut, IEM will membaiki serta mempertingkatkan ciri-ciri atau kandungan tertentu sistem tersebut namun penambahbaikan masih akan berterusan. Bagaimanapun, para ahli masih boleh menghantar cadangan mereka untuk diteliti dan Pegawai Pemilihan mengambil kesempatan untuk mengucapkan terima kasih kepada ahli-ahli yang telah memberikan maklum balas mereka melalui tinjauan.

Mengenai Pemilihan Majlis untuk sesi 2022/2023, proses pemilihan bermula dengan pengumuman pencalonan jawatan Timbalan Yang DiPertua yang telah ditutup pada 30 Oktober 2021 dan seterusnya pencalonan untuk jawatan-jawatan Majlis yang lain yang ditutup pada 27 Disember 2021.

9.1 Yang DiPertua

Y.Bhg. Dato' Paduka Ir. (Dr.) Hj. Keizrul Abdullah memaklumkan MAT bahawa berdasarkan Seksyen 5.2 Undang-undang Kecil IEM, Timbalan Yang DiPertua, Ir. Prof. Dr. Norlida binti Buniyamin, sebagai Yang DiPertua Terpilih akan mengambil alih jawatan Yang DiPertua untuk sesi 2022/2023 dan 2023/2024 dengan tamatnya tempoh penjawatan penyandang Yang DiPertua, Ir. Ong Ching Loon pada MAT hari itu.

9.2 Timbalan Yang DiPertua

Pegawai Pemilihan juga memaklumkan kepada MAT bahawa bagi pencalonan untuk jawatan Timbalan Yang DiPertua, sebanyak 66 kertas undi (elektronik) telah dihantar kepada kesemua ahli-ahli Korporat di dalam Majlis IEM. Bilangan undi yang diterima pada hari penutupan pengundian adalah 62.

Dua orang calon telah mendapat bilangan undi yang sama, jadi berdasarkan Seksyen 5.20 Undang-undang Kecil IEM yang menyatakan "sekiranya terdapat kesamaan undi di antara dua orang calon di mana hanya terdapat satu kekosongan, maka penetapan pemenang akan dijalankan dengan cara cabutan oleh Pegawai Pemilihan dengan disaksikan oleh pemeriksa-pemeriksa pemilihan".

MAT dimaklumkan bahawa setelah cabutan dibuat, calon yang berjaya adalah Ir. Prof. Dr. Jeffrey Chiang Choong Luin. Dengan itu, Ir. Prof. Dr. Jeffrey Chiang Choong Luin dilantik sebagai Timbalan Yang DiPertua untuk sesi 2022/2023 dan 2023/2024.

9.3 Jawatan-jawatan Kosong Majlis bagi sesi 2022/2023

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 Lain-lain Disiplin - 1 kekosongan untuk 3 sesi

Ahli Majlis - Wakil Biasa

- 10 kekosongan untuk 3 sesi

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

MAT turut dimaklumkan bahawa jawatan-jawatan berikut tidak memerlukan pengundian kerana hanya ada satu calon.

9.4.1 Setiausaha Kehormat (Satu (1) kekosongan untuk sesi 2022/2023)

Ir. Prof. Dr. Zuhaina binti Zakaria menang tanpa bertanding selaku Setiausaha Kehormat untuk satu (1) Sesi 2022/2023.

9.4.2 Pegawai Pemilihan kemudiannya menerangkan dengan lebih lanjut prosedur bagi jawatan berikut yang memerlukan pengundian:

- Naib Yang DiPertua
- Bendahari Kehormat
- Ahli Majlis – Wakil Lain-lain Disiplin
- Ahli Majlis – Wakil Biasa

Pegawai Pemilihan memaklumkan bahawa e-mel dan SMS dengan pautan untuk e-Ballot bagi jawatan-jawatan yang dinyatakan di atas yang memerlukan undian telah dihantar kepada seramai 11,895 Ahli Korporat yang layak mengundi. Tarikh tutup penyerahan e-Ballot adalah pada 1 April 2022 jam 12.00 tengah hari di mana pengundian ditutup secara automatik oleh program. Katalaluan kemudiannya dihantar oleh program tersebut terus kepada Pegawai Pemilihan untuk menjana keputusan.

Dengan menggunakan katalaluan tersebut, keputusan telah dijana pada 2 April 2022 jam 9.00pg dengan disaksikan oleh pemeriksa-pemeriksa pemilihan iaitu Ir. Hj. Mohamed Ali Yusoff, Ir. S. Kukanesan dan Ir. Prof. Dr. Zainal Abidin bin Ahmad. Seramai 2,081 orang Ahli Korporat telah menyerahkan undi elektronik mereka.

Pegawai Pemilihan kemudiannya melaporkan keputusan undian seperti berikut:

9.4.3 **Jawatan Naib Yang DiPertua (Tiga (3) kekosongan untuk dua sesi 2022/2023 dan 2023/2024)**

Sepuluh (10) penamaan telah diterima untuk tiga (3) kekosongan. Tiga (3) orang calon seperti berikut dengan jumlah undian tertinggi telah dipilih untuk jawatan Naib Yang DiPertua bagi sesi 2022/2023 dan 2023/2024.

- (i) Ir. Mohd Khir bin Muhammad
- (ii) Ir. Prof. Dr. Tan Chee Fai
- (iii) Ir. Abdul Razak bin Yaacob

9.4.4 **Jawatan Bendahari Kehormat (Satu (1) kekosongan bagi sesi 2022/2023)**

Empat (4) penamaan telah diterima untuk satu (1) kekosongan. Calon, Ir. Dr. Lee Yun Fook menerima jumlah undian tertinggi dan dipilih untuk jawatan Bendahari Kehormat bagi sesi 2022/2023.

9.4.5 **Jawatan Ahli Majlis – Wakil Disiplin Lain (Satu (1) kekosongan untuk 3 sesi, 2022/2023, 2023/2024, 2024/2025)**

Tiga (3) penamaan telah diterima untuk satu (1) kekosongan. Calon, Ir. Abdul Razak bin Yakob yang menerima jumlah undian tertinggi dipilih untuk jawatan Ahli Majlis – Wakil Disiplin Lain bagi sesi 2022/2023, 2023/2024, 2024/2025.

9.4.6 **Ahli Majlis – Wakil Biasa (Sepuluh (10) kekosongan untuk 3 sesi, 2022/2023, 2023/2024, 2024/2025)**

Pegawai Pemilihan seterusnya melaporkan bahawa terdapat dua puluh satu (21) pencalonan yang diterima dan sepuluh (10) calon berikut dengan jumlah undian tertinggi telah dipilih sebagai Ahli Majlis – Wakil Biasa bagi sesi 2022/2023, 2023/2024 dan 2024/2025:

1. Ir. Rusnida binti Talib
2. Ir. Prof. Dr. Lau Hieng Ho
3. Ir. Muhammad Azmi bin Ayub
4. Ir. Fam Yew Hin
5. Ir. Abdul Razak bin Yakob
6. Ir. Mohd Khir bin Muhammad
7. Ir. Razmahwata bin Mohamad Razalli
8. Ir. Simon Yeong Chin Chow
9. Ir. Dr. Chan Seong Phun
10. Ir. Yam Teong Sian

Pegawai Pemilihan kemudiannya mengucapkan tahniah kepada semua calon yang berjaya.

9.4.7 MAT selanjutnya dimaklumkan bahawa proses pemilihan tersebut meliputi tempoh kira-kira lima (5) bulan dan kos keseluruhan ialah RM5,117.20 (kos penghantaran SMS) tidak termasuk kos kakitangan IEM. MAT juga dimaklumkan bahawa jumlah pautan e-Ballot yang dihantar melalui e-mel kepada ahli Korporat pada tahun ini ialah 11,895.

Daripada jumlah undi yang dikembalikan, terdapat peningkatan berbanding tahun sebelumnya (17.5% berbanding 13.1%). Namun begitu, ini bermakna 83% daripada Ahli Korporat yang layak masih tidak membuang undi. Pegawai Pemilihan memaklumkan MAT bahawa beliau dan para pemeriksa akan bekerjasama dengan urusetia IEM untuk menjalankan kajian untuk mencari ikhtiar bagi meningkatkan angka ini dalam proses pemilihan akan datang.

Pegawai Pemilihan turut berkongsi statistic berkenaan Pemilihan IEM dalam sepuluh tahun yang teerdekak seperti berikut:

Tahun	Bilangan undi dikeluarkan	Diterima balik	% Pulangan	RM
2013	9,476	1,513	15.97	17,697.78
2014	9,698	1,319	13.6	19,328.84
2015	9,637	1,730	17.95	19,510.70
2016	9,776	1,712	17.5	22,733.83
2017	10,480	1,801	17.17	26,656.46
2018	10,580	1,706	16.12	28,157.11
2019	11,542	1,711	14.82	28,380.40
2020	12,033	1,657	13.7	40,511.05
2021	12,122	1,584	13.1%	2,385.00
2022	11,895	2,081	17.5%	5,117.20

9.4.8 Pegawai Pemilihan kemudiannya mengucapkan terima kasih kepada Pemeriksa, Ir. Prof. Dr. Zainal Abidin bin Ahmad, Ir. Hj. Mohd Ali Yusoff dan Ir. S. Kukanesan atas bantuan mereka. Ucapan terima kasih juga dirakamkan kepada Urusetia IEM atas kerjasama penuh serta pihak Majlis atas sokongan yang diberikan.

Yang DiPertua mengucapkan terima kasih kepada Y.Bhg. Dato' Paduka Ir. (Dr.) Hj. Keizrul Abdullah atas sumbangan dan sokongan beliau dalam menjalankan proses pemilihan IEM.

10.0 PENYAMPAIAN ANUGERAH

Yang DiPertua kemudian mengumumkan bahawa mengikut tradisi yang ditetapkan untuk beberapa tahun kebelakangan ini, beberapa anugerah akan disampaikan semasa Mesyuarat Agung Tahunan.

10.1 Projek Akhir Tahun Tan Sri Ir. Hj. Yusoff Ibrahim untuk 2021

MAT dimaklumkan bahawa Projek Akhir Tahun Tan Sri Ir. Hj. Yusoff Ibrahim untuk 2021 ialah Liew Son Qian dari Universiti Tunku Abdul Rahman (UTAR) dengan tajuk projek – *“Hydrothermal Growth of Niobium Oxide Microrods in Ammonium Fluoride for Electrochromic Application”*.

Pemenang tempat kedua ialah Tan Tze Jie dari Monash University Malaysia dengan tajuk *“Assessment on The Structural Behaviour of Novel Candle-Loc Inter-module Connection Using Finite Element Analysis”* sementara tempat ketiga dimenangi oleh Tan Wei Kun dari Universiti Tunku Abdul Rahman dengan tajuk *“IoT Based Car Plate Recognition System”*.

Berikut adalah pemenang-pemenang saguhati:

- (i) Teo Yar Lee dari Multimedia University (MMU) dengan tajuk *“Optimising Energy Consumption of a Rice Milling”*
- (ii) Kwa Eng Keat dari Universiti Tunku Abdul Rahman (UTAR) dengan tajuk *“Finite Element Modelling of Bone Tissue Scaffolds”*
- (iii) Farah Rosmaniza Binti Redzuan dari Universiti Teknologi Petronas dengan tajuk *“Foam Stability Performance (half- life) of Alpha Olefin Sulfonate (AOS) – COCO Glucoside (APG) with Variation in Concentration of Surfactants, the Salinity and the Temperature”*
- (iv) Mohd Fazli bin Abd Rashid dari Universiti Putra Malaysia (UPM) dengan tajuk *“Bending Behavior of Reinforced Concrete Beam Using Hybrid Glass Fiber Reinforced Polymer (GRFP) and Steel Reinforcement Bars”*
- (v) Choi Zhi Chuan dari UCSI University dengan tajuk *“Development of Effective Metaheuristic Search Algorithms through Hybridization Approach”*

10.2 Penyampaian Sijil Felo IEM

Penyampaian sijil dan pin kemudiannya diteruskan kepada ahli-ahli yang berikut yang telah berjaya dalam pemindahan ke gred Felo IEM pada tahun 2022.

- (i) Ir. Leong Siew Meng
- (ii) Ir. Fam Deng Fong
- (iii) Ir. Prof. Dr. Fatimah binti Ibrahim
- (iv) Dato' Ir. Hj. Rozlan bin Ahmad Zainuddin

11.0 AHLI MAJLIS YANG BERSARA

11.1 Pengacara seterusnya membacakan nama Ahli-ahli Majlis yang akan bersara selepas MAT. Mereka telah dijemput ke pentas untuk menerima tanda penghargaan dari Yang DiPertua.

1. Ir. Assoc. Prof. Dr. David Chuah Joon Huang – Setiausaha Kehormat bagi sesi 2020/2022
2. Ir. Dr. Bhuvendhara Rudrusamy – Ahli Majlis (Wakil Lain-lain Disiplin)
3. Ir. Dr. Tan Kuang Leong – Ahli Majlis (Wakil Biasa)
4. Y.Bhg. Dato' Ir. Mohd Azmi bin Ismail – Ahli Majlis (Wakil Biasa)
5. Ir. Ng Yong Kong – Ahli Majlis (Wakil Biasa)
6. Ir. Ting Chek Choon – Ahli Majlis (Wakil Biasa)
7. Ir. Sukhairul Nizam bin Abd Razak – Ahli Majlis (Wakil Biasa)
8. Ir. Lai Sze Ching – Ahli Majlis (Wakil Biasa)
9. Y.Bhg. Dato' Ir. Ahmad Anuar bin Othman – Ahli Majlis (Wakil Biasa)
10. Ir. Gopal Narian Kutty – Ahli Majlis yang Dilantik
11. Ir. Sean Wong Siong Ung – Immediate Past Chairman, IEM Miri Branch

11.2 Mesyuarat Agung Tahunan dimaklumkan bahawa ahli-ahli Majlis berikut yang akan bersara pada sesi ini tidak dapat hadir untuk menerima tanda penghargaan kerana sekatan perjalanan antara negeri dan juga disebabkan komitmen yang lain. Walau bagaimanapun, tanda penghargaan akan dihantar kepada mereka selepas Mesyuarat Agung Tahunan selesai.

1. Y.Bhg. Academician Tan Sri Ir. (Dr.) Hj. Ahmad Zaidee bin Laidin
2. Ir. Prof. Dr. Ruslan bin Hassan
3. Ir. Prof. Dr. Leong Wai Yie
4. Ir. Mah Siew Kien
5. Ir. Dr. Mui Kai Yin
6. Y.Bhg. Dato' Ir. Noor Azmi bin Jaafar
7. Ir. Loh Ban Ho
8. Ir. Wong Yee Foong
9. Ir. Ahmad Kamal bin Kunji
10. Ir. Prof. Dr. Puvanasvaran Perumal
11. Ir. Jeffrey Ng Yun Ping
12. Ir. Shaipuddin bin Shapii

12.0 PENYERAHAN TUGAS

Pengacara Majlis seterusnya menjemput Yang DiPertua dan Yang DiPertua baharu untuk naik ke pentas bagi penyerahan rantai jawatan. Yang DiPertua baharu, Ir. Prof. Dr. Norlida binti Buniyamin kemudiannya dikalung dengan rantai jawatan sebagai Yang DiPertua ke 63 Institusi Jurutera Malaysia.

12.1 Penukaran Pemegang Jawatan

Yang DiPertua baharu seterusnya menjemput para pemegang jawatan baru untuk mengambil tempat masing-masing dan kemudian meneruskan MAT dengan hal-hal yang lain.

13.0 MANTAN YANG DIPERTUA

Yang DiPertua kemudian memaklumkan bahawa Majlis telah menjemput mantan-mantan Yang DiPertua berikut untuk berkhidmat bagi sesi akan datang dan mereka telah bersetuju dan menerima pelawaan tersebut.

Y.Bhg. Dato' Ir. Dr. Gue See Sew
 Y.Bhg. Dato' Paduka Ir. (Dr.) Hj. Keizrul bin Abdullah
 Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik
 Y.Bhg. Dato' Ir. Lim Chow Hock
 Ir. Dr. Tan Yean Chin
 Ir. David Lai Kong Phooi

Yang DiPertua kemudiannya mengucapkan terima kasih kepada semua mantan-mantan Yang DiPertua di atas sumbangan dan sokongan mereka yang tidak berbelah bahagi pada sesi yang lalu dan berharap mereka akan terus menyokong dan membimbing IEM pada masa hadapan.

14.0 PEMILIHAN JURUAUDIT DALAMAN KEHORMAT

Yang DiPertua kemudian meneruskan dengan menjemput pencalonan bagi jawatan Juruaudit Dalam Kehormat. Beliau seterusnya memaklumkan Mesyuarat Agung Tahunan bahawa juruaudit dalam pada sesi lepas ialah Ir. Sreedaran Raman (M38681) dan Ir. Steven Toh Chin Kok (M21175).

Ahli yang hadir kemudiannya dinasihatkan untuk klik pada ikon "RAISE HAND" sekiranya mereka ingin membuat pencalonan.

Ahli-ahli berikut telah dicalonkan dan diterima oleh MAT:

Candidate	Proposer	Secunder
Ir. Assoc. Prof. Dr. David Chuah Joon Huang (F57551)	Ir. Yau Chau Fong (F20215)	Ir. Chen Harn Shean (F23894)
Ir. Steven Toh Chin Kok (M21175)	Ir. Yau Chau Fong (F20215)	Ir. Wong Chee Fui (F20903)

15.0 PELANTIKAN JURUAUDIT LUAR

MAT telah meluluskan cadangan dari Majlis untuk melantik CH International sebagai Juruaudit Luar yang baharu untuk tahun 2022.

16.0 UCAPAN YANG DIPERTUA BAGI SESI 2022/2023

Pengacara Majlis kemudian menjemput Yang DiPertua untuk menyampaikan Ucapan bagi sesi 2022/2023 yang bertajuk "***IEM SPEARHEADING SUSTAINABILITY***"

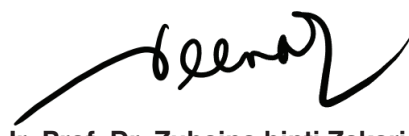
17.0 PENANGGUHAN MESYUARAT AGUNG TAHUNAN KE 63

Yang DiPertua mengucapkan terima kasih kepada ahli yang menghadiri Mesyuarat Agung Tahunan secara fizikal dan juga dari platform maya.

Yang DiPertua kemudian mengisytiharkan Mesyuarat Agung Tahunan ke-63 ditangguhkan pada jam 12.23 tengah hari.



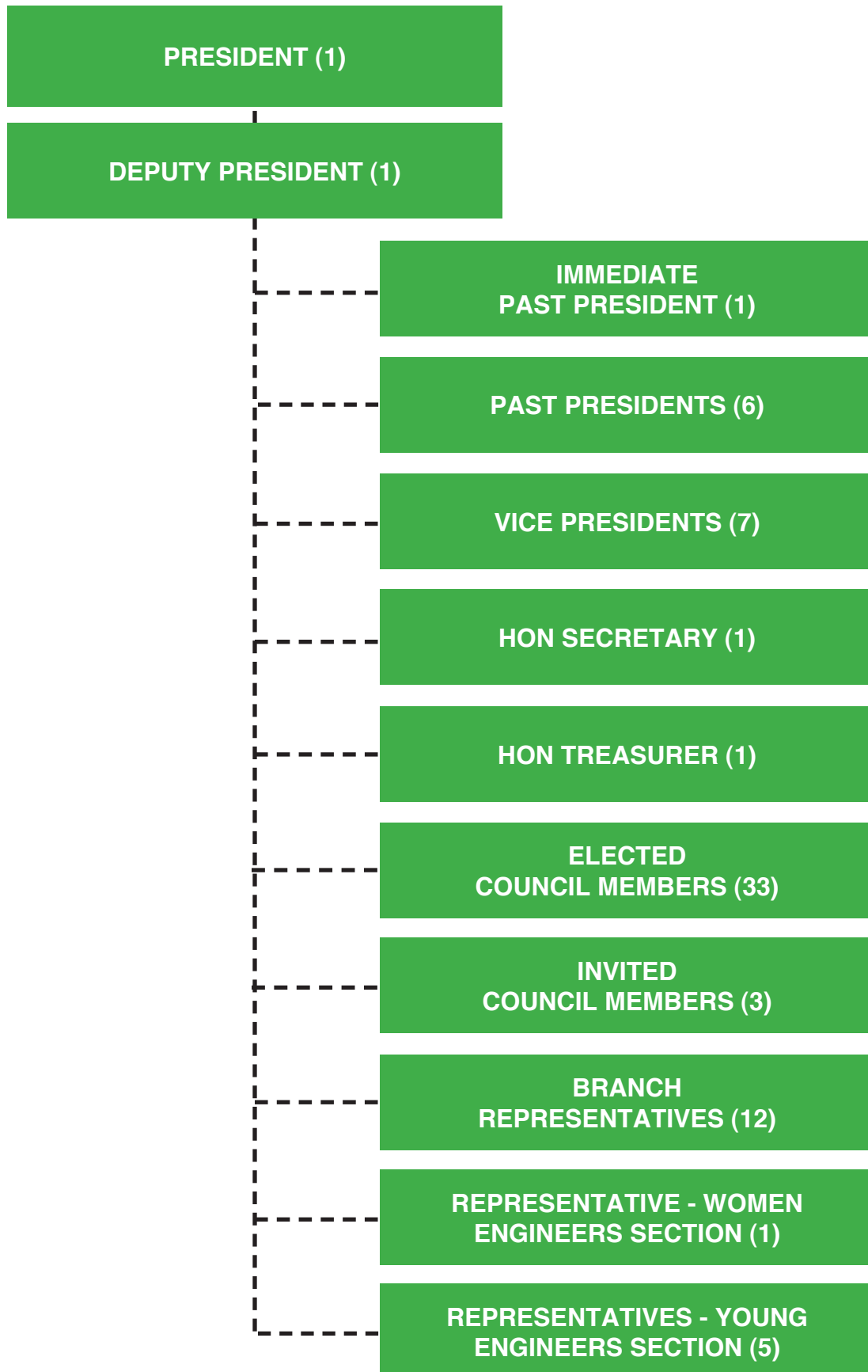
Ir. Prof. Dr. Norfida binti Bunyamin
Yang Di Pertua



Ir. Prof. Dr. Zuhaina binti Zakaria
Setiausaha Kehormat



STRUCTURE OF COUNCIL FOR SESSION 2022/2023
Struktur Majlis Untuk Sesi 2022/2023



COUNCIL MEMBERS FOR SESSION 2022/2023
Ahli Majlis Sesi 2022/2023



First Row (Seated) (L to R)

Ir. Dr. Lee Yun Fook (Honorary Treasurer), Ir. Abdul Razak bin Yakob (Vice President), Ir. Yau Chau Fong (Vice President), Ir. Mohd Khir bin Muhammad (Vice President), Y.Bhg. Dato' Paduka Ir. Hj. Keizrul bin Abdullah (Past President), Ir. Prof. Dr. Jeffrey Chiang Choong Luin (Deputy President), Ir. Prof. Dr. Norlida binti Buniyamin (President), Ir. Ong Ching Loon (Immediate Past President), Y.Bhg. Dato' Ir. Dr. Gue See Sew (Past President), Dato' Ir. Ahmad Murad bin Omar (Vice President), Ir. Hj. Mohd Aman bin Hj. Idris (Vice President), Ir. Chen Harn Shean (Vice President), Ir. Prof. Dr. Zuhaina binti Zakaria (Honorary Secretary)

Second Row (L to R)

Y.Bhg. Dato' Ir. Nor Hisham Mohd Ghazali, Y.Bhg. Dato' Ir. Wan Nazari bin Wan Jusoh (Chairman, Terengganu Branch), Ir. Gunasagaran a/l Kristnan (Structural Representative), Y.Bhg. Dato Sri Ir. Ts. Dr. Liew Mun Hon (Chairman, Perak Branch), Ir. Lai Sze Ching, Ir. Ellias bin Saidin, Ir. Rusnida binti Talib, Ir. Dr. Siti Hawa binti Hamzah, Ir. Noorfaizah binti Hamzah (Chairman, WE Section), Y.Bhg. Dato' Ir. Prof. Dr. Mohd Hamdi bin Abd Shukor, Ir. Dr. Aidil bin Chee Tahir (Mechanical Representative), Ir. Bernard Lim Kee Weng (Chairman, Penang Branch), Ir. Mohd Radzi bin Salleh, Ir. Chong Boon Hui (Chairman, Miri Branch)

Third Row (L to R)

Ir. Dr. Chan Swee Huat, Mr. Ooi Wei Chien (YES Representative), Y.Bhg. Dato' Ir. Janang AK Bungsu (Chairman, Sarawak Branch), Ms. Ong Ye Shian (YES Representative), Mr. Lim Yiren (YES Representative), Ir. Lee Cheng Pay, Ir. Tiong Ngo Pu, Ir. Prof. Dr. Lau Hieng Ho, Ir. Shahrin Amri bin Jahari (Chairman, Negeri Sembilan Branch), Ir. Sreedaran Raman, Ir. Dr. Teo Fang Yenn, Ir. Wong Chee Fui, Ir. Ong Yee Pinn (Chairman, Melaka Branch)

Fourth Row (L to R)

Ir. Assoc. Prof. Dr. Wong Yew Hoong (Other Disciplines Representative), Ir. Dr. Lee Choo Yong, Ir. Simon Yeong Chin Chow, Ir. Dr. Hum Yan Chai, Ir. Muhammad Azmi bin Ayub, Ir. Francis Xavier Jacob (Electrical Representative), Ir. Dr. Siow Chun Lim, Ir. Fam Yew Hin, Ir. Sundraraj A. Krishnasamy, Ir. Tan Kok Jyh (Representative, Sabah Branch), Ir. Roshasmawi bin Abdul Wahab (Chairman, Kedah-Perlis Branch), Ir. Dr. Chan Seong Phun, Ir. Kwok Yew Hoe

Not in Picture

Ir. David Lai Kong Phooi (President), Ir. Dr. Tan Yean Chin (Past President), Y.Bhg. Academician Tan Sri Dato' Ir. Prof. Em. Dr. Chuah Hean Teik (Past President), Y.Bhg. Dato' Ir. Lim Chow Hock (Past President), Ir. Prof. Dr. Tan Chee Fai, Ir. Yap Soon Hoe (Civil Representative), Ir. Jeewa Vengadasalam (ICT and Multimedia Representative), Y.Bhg. Dato' Ir. Hj. Anuar bin Yahya, Ir. Assoc. Prof. Dr. Lee Tin Sin, Ir. Mah Way Sheng, Ir. Dr. Kannan M. Munisamy, Ir. Razmahwata bin Mohamad Razalli, Ir. Yam Teong Sian, Mr. Muhammad Ashiq Marecan bin Hamid Marecan (YES Representative), Mr. Darshan Balasubramaniam (YES Representative), Ir. Thayala Rajah a/l Selvaduray (Chairman, Southern Branch), Ir. Ab. Rahman bin Hashim (Chairman, Pahang Branch), Ir. Nik Ab. Hadi bin Hassan (Chairman, Kelantan Branch)

EXECUTIVE COMMITTEE FOR SESSION 2022/2023
Jawatankuasa Kerja Sesi 2022/2023

**First Row (Seated) (L to R)**

Ir. Abdul Razak bin Yakob (Vice President), Ir. Yau Chau Fong (Vice President), Ir. Mohd Khir bin Muhammad (Vice President), Ir. Dr. Lee Yun Fook (Honorary Treasurer), Ir. Prof. Dr. Jeffrey Chiang Choong Luin (Deputy President), Ir. Prof. Dr. Norlida binti Buniyamin (President), Ir. Prof. Dr. Zuhaina binti Zakaria (Honorary Secretary), YBhg. Dato' Ir. Ahmad Murad bin Omar (Vice President), Ir. Hj. Mohd Aman bin Hj. Idris (Vice President), Ir. Chen Harn Shean (Vice President)

Second Row (L to R)

Ir. Simon Yeong Chin Chow, Ir. Gunasagar a/l Kristnan, Ir. Lai Sze Ching, Ir. Prof. Dr. Lau Hieng Ho, Ir. Fam Yew Hin, Ir. Wong Chee Fui, Ir. Bernard Lim Kee Weng

Not in Picture

Ir. Prof. Dr. Tan Chee Fai, Ir. Yam Teong Sian

IEM SECRETARIAT
Urusetia IEM

**First Row (Seated) (L to R)**

Mr. Loo Weng Soon (Manager), Ms. Sarita Kaur (Deputy Chief Operations Officer), Ms. Janet Lim Kwai Cheng (Chief Operations Officer), Ir. Dr. Lee Yun Fook (Honorary Treasurer), Ir. Prof. Dr. Jeffrey Chiang Choong Luin (Deputy President), Ir. Prof. Dr. Norlida binti Buniyamin (President), Ir. Prof. Dr. Zuhaina binti Zakaria (Honorary Secretary), Ms. Ooi Beng Ean (Advisor-IEM International Office), Cik Shahrul Bahariah binti Sulaiman (Senior Manager), Ms. Vali Saminathan (Manager)

Second Row (L to R)

Pn. Natasha Afzan binti Ahmad Kamal, Pn. Ruhaida binti Daud, Cik Farezah binti Junaidi, Cik Norshafiqah binti Sha'ari, Ms. Samantha Hee Siaw Shen, Pn. Rahanum binti Mohamad, Ms. Roselein a/p Lodo Samy, Ms. Wong May Lee, Cik Siti Aisyah binti Saaey, Pn. Suhana binti Omar, Cik Noor Afzan binti Che Abd Aziz

Third Row (L to R)

Cik Ratnaidayah binti Zaini, Cik Farahidatul binti Rusli, Cik Suriani binti Jali, Pn. Nurul Ezzaty binti Hosnan, Cik Tazewin Natul Syima binti Basar, Cik Nur Ilyarnie binti Rosman, Ms. Chan Ee Wey, Cik Wan Nur Adlina binti Rasidi, Pn. Fatimah binti Mohd Abd. Khadzar, Ms. Parimala a/p Maruthamuthoo, Cik Afiqah Fadhlin binti Zahari, Pn. Mirdeeliani binti Amir

Fourth Row (L to R)

En. Abdullah bin Anda, En. Izharuddin Alradzi bin Mohamad Hairani, En. Muhamad Hairul bin Mazlan, En. Baharuddin bin Mohamad Suhaimin, En. Adam Sofri bin Muhd Sharum

Not In Picture

Pn. Norimah binti Md. Hashim, En. Azizi bin Ajik, Pn. Halimah binti Musa, Ms. Karen Ng Shiao Yin, Cik Nur Amira binti Mohidin, Ms. Editelovia Tumas



SNAPSHOTS OF ACTIVITIES HELD IN SESSION 2022/2023
Gambar Activiti Sesi 2022/2023



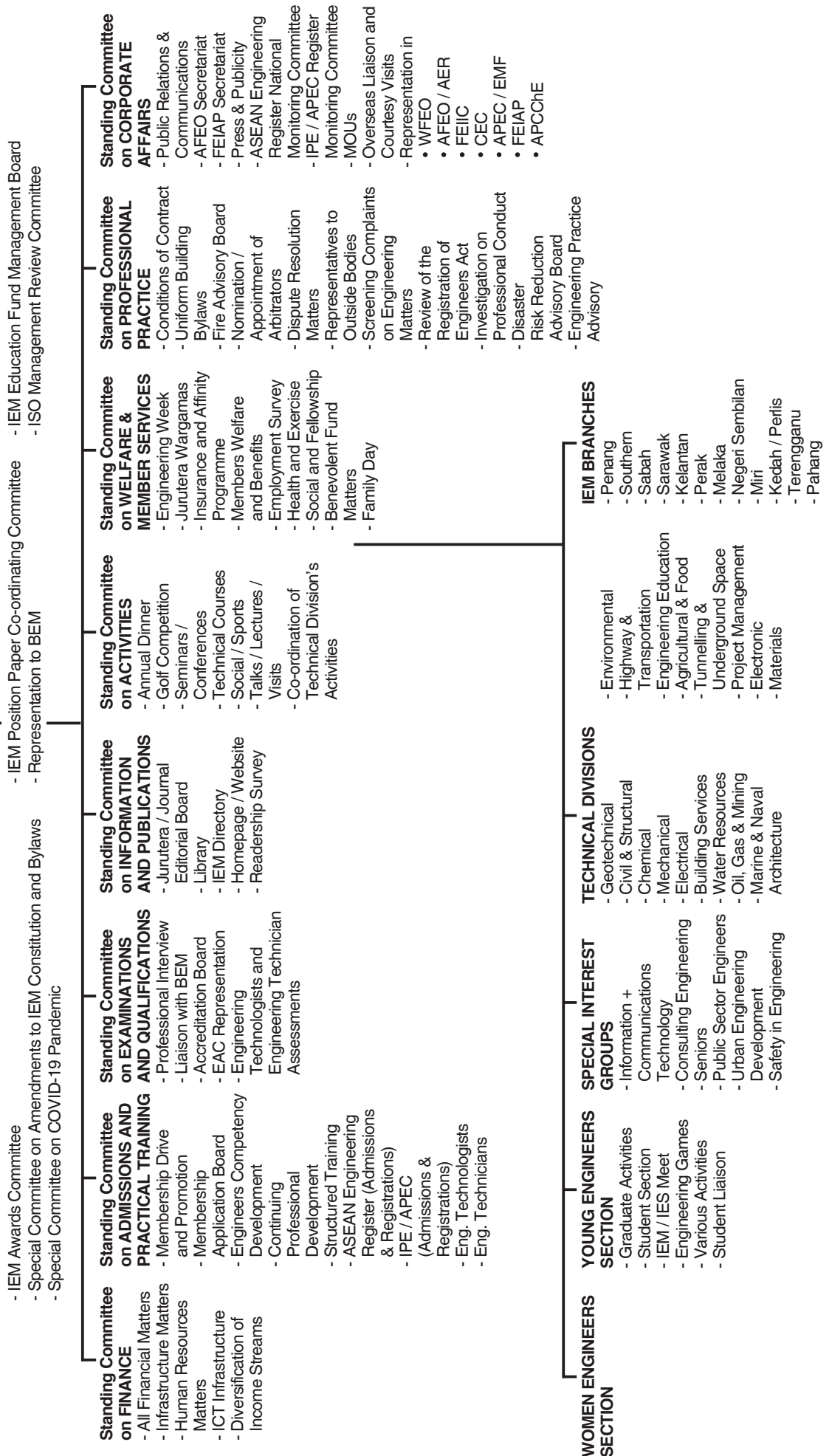


ORGANISATION CHART - SESSION 2022/2023
Carta Organisasi - Sesi 2022/2023

MEMBERS OF THE INSTITUTION

THE COUNCIL

THE EXECUTIVE COMMITTEE



64th ANNUAL REPORT SESSION 2022/2023
Laporan Tahunan Ke-64 Sesi 2022/2023

1 INTRODUCTION

- 1.1 It is with great pleasure that I present to you the 64th Annual Report for session 2022/2023 covering the period 1 April 2022 until 31 March 2023.

2 MEMBERSHIP

- 2.1 The membership of the Institution as at 1 March 2023 now stands at 48,314. Comparative figures of the last five years are as follows:

Grade	2019	2020	2021	2022	2023
Distinguished Hon. Fellow	2	2	2	2	3
Hon. Fellow	28	27	27	27	27
Fellow	739	772	776	787	787
D. Member	1	1	1	1	1
Hon. Member	7	7	7	7	7
Senior Member	39	45	52	54	55
Member	11,048	11,647	11,389	10,950	10989
Senior Graduate Member	281	320	372	433	441
Graduate	9,303	9,441	9,099	8,846	8,097
Engineering Technologist Graduate Member	-	-	-	81	72
Engineering Technician Graduate Member	-	-	-	18	21
Incorporated	115	120	105	85	88
Affiliate	27	34	29	28	31
Associate	53	59	61	58	58
Student	26,969	31,419	25,167	25,257	27,637
Total	48,612	53,894	47,087	46,634	48,314

2.1.1 Membership by Branches:

	DHF	HF	F	DM	HM	SM	M	SG	G	ETG	ETnG	IM	A	AM	S	TOTAL
Kedah-Perlis	0	0	9	0	0	1	273	11	244	3	1	1	0	4	1672	2219
Penang	0	1	33	0	0	4	565	28	475	6	2	4	0	1	1366	2485
Perak	0	2	24	0	0	2	413	14	473	6	4	9	2	3	2395	3347
Kelantan	0	0	5	0	0	2	128	3	85	3	0	1	0	0	1427	1654
Pahang	0	0	5	0	0	1	140	7	188	3	0	2	2	2	1279	1629
Terengganu	0	0	6	0	0	1	147	11	100	1	0	1	0	0	1051	1318
Sarawak	0	2	37	0	0	5	806	32	739	4	1	6	0	7	3339	4978
Miri	0	0	16	0	1	0	78	6	107	0	0	1	0	1	135	345
Southern	0	1	55	0	1	4	675	34	618	1	3	6	1	3	4318	5720
Melaka	0	0	9	0	0	2	179	10	195	2	0	1	0	0	1026	1424
N. Sembilan	0	0	13	0	3	0	303	21	319	3	1	2	0	1	1260	1926
Sabah	0	2	40	0	0	1	605	19	494	3	1	1	1	2	1027	2196
IEM HQ	3	18	523	1	2	32	6551	244	4040	35	8	52	24	34	7296	18863
Overseas	0	1	12	0	0	0	126	1	20	2	0	1	1	0	46	210
TOTAL	3	27	787	1	7	55	10989	441	8097	72	21	88	31	58	27637	48314

2.2 Breakdown by discipline is as follows:

Description	DHF	HF	F	DM	HM	SM	M	SG	G	ETG	ETnG	IM	A	AM	S	TOTAL
Aeronautical	0	0	1	0	0	0	12	1	18	7	2	1	0	0	34	76
Aerospace	0	0	0	0	0	0	6	5	23	7	0	0	0	0	73	114
Agricultural	0	0	4	0	0	0	27	1	27	0	0	1	0	0	20	80

Architectural	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	4
Automotive	0	0	0	0	0	0	1	0	4	3	0	0	0	0	39	47
Biochemical	0	0	0	0	0	0	2	0	4	0	0	0	0	0	21	27
Bioengineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Biology & Agricultural	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Bio-Medical	0	0	1	0	0	0	13	1	27	0	0	1	0	1	202	246
Biotechnology	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2
Building	0	0	0	0	0	0	1	0	1	1	0	0	1	2	0	6
Building Services	0	0	0	0	0	0	13	0	1	0	2	0	0	0	0	16
Cad/Cam	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	3
Chemical	0	0	23	0	0	3	332	33	597	5	0	4	3	1	2318	3319
Civil	0	12	447	0	0	23	5415	149	3199	7	3	19	3	22	6871	16170
Civil & Structural	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	4
Communication	0	0	1	0	0	0	10	1	12	0	0	0	0	0	40	64
Computer	0	0	1	0	0	1	8	1	19	0	0	2	2	0	86	120
Computer & Communication	0	0	0	0	0	0	3	0	2	0	0	0	1	0	5	11
Computer Systems	0	0	0	0	0	0	1	0	0	0	0	0	1	0	9	11
Construction	0	0	0	0	0	0	3	0	2	1	0	0	0	1	3	10
Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Control System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Electrical	2	6	135	1	0	14	2297	60	1324	12	2	18	1	11	3249	7132
Electrical & Electronic	0	0	0	0	0	0	1	2	5	1	3	0	0	0	1098	1110
Electromechanical	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	5
Electronic	0	0	14	0	0	2	355	49	528	6	1	14	3	6	3443	4421
Electronic & Radio	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	4
Energy	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
Environmental	0	0	0	0	0	0	18	2	50	2	0	1	3	0	81	157
Food & Process	0	0	0	0	0	0	3	0	10	0	0	0	0	0	0	13
Fuel	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Geological	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	3
Geotechnical	0	0	1	0	0	0	29	0	6	0	0	0	2	0	4	42
Highway	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Highway & Transport	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Hydraulic	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Industrial	0	0	0	0	0	0	10	2	8	0	0	0	0	0	20	40
Information System	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
Information Technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Infrastructure Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17
Instrumentation & Control	0	0	0	0	0	0	63	0	2	1	0	0	0	1	0	67
Manufacturing	0	0	0	0	0	0	42	6	85	0	0	1	0	0	729	863
Manufacturing Systems	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
Marine	0	0	0	0	0	0	17	0	13	2	0	0	0	1	0	33
Materials	0	0	2	0	0	0	27	2	39	0	0	1	2	0	166	239
Mechanical	0	3	140	0	0	11	2058	111	1884	5	13	20	3	9	7742	11999
Mechanical System	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	4
Mechanics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Mechatronics	0	0	0	0	0	0	12	5	94	2	1	2	0	1	1060	1177
Metallurgy	0	0	1	0	0	0	5	0	6	0	0	0	0	0	1	13
Microelectronic	0	0	0	0	0	0	0	0	2	0	0	1	1	0	2	6
Mineral	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Mineral Processing	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
Mineral Resources	0	0	0	0	0	0	9	1	12	0	0	0	0	0	12	34
Mining	0	0	5	0	0	0	22	1	3	0	0	1	0	0	0	32

Mining & Metallurgy	0	0	1	0	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	0	1	
Naval Architecture	0	0	0	0	0	0	11	2	4	2	0	0	1	0	20	40
Nuclear	0	0	1	0	0	0	1	0	1	0	0	0	0	0	13	16
Offshore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Others	1	6	0	0	7	0	4	0	3	2	0	0	1	0	3	27
Petroleum	0	0	2	0	0	1	11	3	38	0	0	0	0	0	152	207
Polymer	0	0	0	0	0	0	2	0	9	0	0	0	0	0	33	44
Process	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
Production	0	0	1	0	0	0	9	0	4	0	0	0	0	0	0	14
Structural	0	0	2	0	0	0	47	2	6	0	0	0	0	0	4	61
Systems	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Telecommunication	0	0	0	0	0	0	29	1	6	0	0	0	1	2	30	69
Textile	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Traffic	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Transport	0	0	1	0	0	0	8	0	0	0	0	0	0	0	1	10
Water Resources	0	0	1	0	0	0	26	0	0	0	0	0	0	0	2	29
	3	27	787	1	7	55	10989	441	8097	66	27	88	31	58	27637	48314

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

Grade	Deceased	Resigned
Hon. Fellow	-	-
Fellow	1	1
Member	6	20
Senior Graduate	-	2
Graduate	4	56
Incorporated Member	-	1
Associate	-	2
Student	-	34
Total	11	116

2.4 To date, 2,840 members are in arrears of subscription for the year 2022. The total arrears in subscription for this particular year was recorded at RM411,425. The Council would look into deleting their names from the membership register if the arrears were not settled by mid 2023.

2.5 For the session under review, a total of 462 members were reinstated. The details are as follows:

Member	- 71
Senior Graduate	- 4
Graduate	- 385
Incorporated	- 1
Affiliate	- 1

3 THE COUNCIL AND THE EXECUTIVE COMMITTEE

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

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

3.3 In the session 2021/2022, the Council set up the Task Force on IEM Properties was set up under the chairmanship of Y.Bhg. Dato' Paduka Ir. Hj. Keizrul bin Abdullah to look into enablers for Branches to be allowed ownership of the property purchased through their own fund-raising efforts. A legal firm was engaged to look into the legal issues and the Task Force is still finalizing their proposal which will then be presented to the Council for deliberation.

Further to the advice from the lawyers, the Task Force presented their recommendation that Branches are allowed to own properties. Council at their 430th meeting held on 21 March 2022 decided that Branches will be allowed to properties subject to fulfilling the conditions set by Council.

- 3.4 A Sub Committee under the chairmanship of IEM Honorary Secretary was also formed by Excomm to look into the issue of Climate Change. The Terms of Reference of the Sub Committee is as follows:
- To discuss and decide how IEM can assist the nation, region and world in mitigating climate change;
 - To propose and execute initiatives and activities that could create awareness about climate change and reduce its impacts;
 - To align with and work towards Sustainable Development Goal 13 (SDG13) of United Nations in combating climate change and its impacts
- 3.5 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. Jeffrey Chiang Choong Luin 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**

IEM continue to depend largely on the collection of members' annual subscriptions to finance its operating expenditure. For the year 2022, income from annual subscriptions stood at approximately 61.2% of the total income compared to 57.8% in 2021, 65.8% in 2020, 70% in 2019, 65% in 2018 and 51% in 2017.

In accordance with the Bylaws, reminders to members on their annual subscription payments were sent out by the Institution. For the year 2022, 86.2% of the members had settled their subscriptions by the end of the year. IEM wish to thank all members who had promptly settled their subscriptions.

As at the end of the financial year 2022, 3,036 members are in arrears of subscription for 2022 compared to 3,036 in 2021. The total outstanding collection for the year amounted to RM411,580 compared to RM444,408 in 2021.

4.2.2 **Rental**

Wisma IEM continue to be rented out to generate income. Merdeka Strategic Development Centre Sdn Bhd's rental of the first and second floor of Wisma IEM was renewed for another two years. Rental rate was increased by 10% since January 2022 as provided for in the agreement. Another tenant, EJAB Engineering Sdn Bhd took about about 1,000sf of space at first floor of Wisma IEM for two years up to 2023.

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 2022 for another three years. However, again due to the pandemic, Excomm had accepted their appeal to maintain the rental rate for the first year of the term. This will nevertheless be reviewed at the end of 2023.

4.2.3 **Activities Income**

In view of the country moving into the endemic stage last year, some of the IEM's activities had reverted to physical. Nevertheless, to benefit members outside of Klang Valley, some of the important or interesting courses/talks are arranged either virtually or via hybrid mode.

The Technical Divisions generated income of RM570,377 for the year 2022. For the year 2021, income generated by the Technical Divisions was RM392,000 while in 2020, the Technical Divisions generated RM181,583. 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, the Standing Committee embarked on an initiative to look into diversification of IEM's income streams. Three possible new income streams were identified namely:

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

IEM entered into a partnership with exhibition organizer, CIS Network Sdn Bhd to organize an annual IEM Convention in 2020 for a five-year period. However, due to the pandemic, the inaugural exhibition could only be held in March 2022. This convention comprised of an engineering exhibition cutting across all disciplines under one roof and will bring a confirmed annual income of at least RM200,000 to IEM. The Convention is scheduled from 6-9 September 2023 at Kuala Lumpur Convention Centre. Besides the exhibition, IEM will be showcasing six other symposiums organized by the IEM Technical Divisions.

On the sale of Publications, three sets of Guidelines which are currently on sale:

- IEM Guideline on Testing and Commissioning of Fire Protection Systems
- IEM Guideline on Flood Abatement Equipment – Engineering Guide of Designation, Testing and Documentation
- IEM Guidelines on the Prevention and Control of Dengue

These guidelines are now available for sale and members can check with IEM Secretariat for more information.

In addition, IEM will be embarking on providing videos on interesting talks that IEM had conducted for members or the public to subscribe to via IEM Youtube Channel. This initiative is in the final stages of preparation.

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. Total expenses incurred in 2022 is RM491,701 compared to RM561,219 in 2021, RM659,959 in 2020 and RM1,124,845 in 2019. As a lot of activities did not proceed in 2020 and 2021 due to the pandemic, spending was managed prudently so as to ensure IEM is able to sustain itself as income was also affected.

4.4 **Sub Committee on Human Resources**

The Sub Committee chaired by the Honorary Secretary, Ir. Prof. Dr. Zuhaina Zakaria continued to look 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 2022, the Secretariat's staff strength is still maintained at 39 including three staff under the International Office that is financed by AER, FEIAP and APEC Engineers Register.

For the year 2022, Mr. Loo Weng Soon received his Long Service Award for serving twenty-five years in IEM.

4.5 **Sub Committee on IEM Infrastructure**

The Sub Committee chaired by the Honorary Treasurer, Ir. Dr. Lee Yun Fook 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 2022, the Sub Committee continued to look into improving the internet facilities for IEM to conduct webinars and virtual meetings as well as the physical condition of the buildings in view that physical activities will resume.

The Sub Committee is also looking into various proposals such as installation of photovoltaic panels and rainwater harvesting facilities as IEM continues to promote sustainability.

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. IEM had launched the UpLIFE Fundraising Campaign on 16 February 2022, to raise funds for improvement to the IEM buildings but it is regrettable that support was not forthcoming and only RM25,000 managed to be collected. The Sub Committee will continue to pursue this avenue to solicit funds to improve the two buildings.

4.6 **Sub Committee on IEM IT Infrastructure**

Ir. Guansagaran Kristnan continued to chair this Sub Committee tasked to look into the IT Infrastructure of IEM. The Sub Committee is still reviewing the contract of the vendor for IEM portal. A road map to move the IEM portal to cloud is being prepared. The Sub Committee is also working with the Technical Divisions to look into providing videos of past webinars for members to view online. In addition, the Sub Committee is providing advice to the IEMGo Sub Committee to look into adding more features to the mobile app for members' convenience.

5 STANDING COMMITTEE ON ADMISSIONS AND PRACTICAL TRAINING

5.1 Ir. Chen Harn Shean continued to serve as Chairman for the Standing Committee for the session 2022/2023. 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 2022, a total of 4,066 candidates were approved for election, admission and transfer to the various grades as listed below:

	2020	2021	2022
(a) Transferred to the Grade of Distinguished Hon. Fellow	-	-	-
(b) Elected to the Grade of Hon. Fellow	-	2	-
(c) Transferred to the Grade of Fellow	17	19	4
(d) Admitted/Transferred to the Grade of Senior Member	8	8	6
(e) Approved to sit for the Professional Interview	213	145	357
(f) Admitted/Transferred to the Grade of Senior Graduate	82	115	80
(g) Admitted/Transferred to the Grade of Graduate	972	1194	859
(h) Admitted/Transferred to the Grade of Incorporated Member	10	15	10
(i) Admitted/Transferred to the Grade of Engineering Technologist Graduate	-	83	28
(j) Admitted/Transferred to the Grade of Engineering Technician Graduate	-	21	5
(k) Admitted to the Grade of Affiliate	1	1	4
(l) Admitted to the Grade of Associate	7	13	16
(m) Admitted to the Grade of Student	2813	1553	2697
Total	4123	3167	4066

A total of two hundred and sixty-three (263) applications had been approved to sit for the Professional Assessment Examination (PAE) for the year 2022.

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

Ir. Dr. Lee Yun Fook chair the Sub-Committee for the fifth session 2022/2023. The Sub-Committee also continued its role of vetting and assessing applications for the various grades of membership of the Institution. In order to expedite the Professional Interviews for applications received during the pandemic, the Sub Committee had initiated online processing of applications by the assessors. This mode was initiated during the MCO period as the IEM office had to be closed and the assessors were not able to be present at IEM office to vet the applications.

The Sub Committee also initiated online submission of applications for Professional Interview to enable candidates to have easier access.

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's membership. The following is the breakdown of applications for these Registers:

- 42 approved for the Asia-Pacific Economic Co-operation Engineer Register / International Professional Engineers Register (APEC/Int.PE)
- 16 approved for ASEAN Engineer (AE)
- 12 approved for Associate ASEAN Engineer (AAE)
- 2 approved for Associate ASEAN Technologist (AAET)

5.4 Sub-Committee on Membership Drive and Promotions

Ir. Prof. Dr. Lau Hieng Ho was appointed as the new Chairman for the Sub-Committee on Membership Drive and Promotions (MDP) for session 2022/2023 with the mandate to increase the number of IEM memberships by resuming the membership drive activities physically and to build engagement with the IEM Branches and Student Sections.

MDP's representatives continue to conduct talks on topics such as 'Introduction to IEM' and 'Route to MIEM' via webinars as well as physically. The talks also included topics relating to current issues and developments in the field of engineering.

With the start of the “Transition to Endemic” phase of Covid-19 in April 2022, MDP actively started organizing physical membership drive activities since Quarter 2 of year 2022 at numerous Institutions of Higher Learning (IHLs) with the objective to build better networking with the students. Throughout the year, MDP managed to conduct physical membership recruitment at 8 universities and 1 polytechnic.

Other than membership drive recruitment activities, MDP also participated as exhibitor at external events with the objective of raising awareness and creating interest in IEM such as ‘Minggu TVET Negara’ in PSA Shah Alam, Rail Technology Expo (RTX 2022), Mini Carnival in KL Sentral and International Conference (ICoGOIA '22) in Melaka.

Physical Membership Recruitment in IHLs 2022

Quarter 2	UPM, UiTM Shah Alam
Quarter 3	MAHSA, IUKL
Quarter 4	PUO, XIAMEN, UTM, UTHM & UM

New MoU Signing

During the ENGINEER Convention that was held at Kuala Lumpur Convention Centre, in March 2022, IEM signed a Memorandum of Understanding (MoU) with the Association of Malaysia Airlines Licensed Aircraft Engineer (AMALAE). The signing ceremony was witnessed by Y.Bhg. Datuk Ir. Haji Mohamad Zulkefly bin Sulaiman (Director General, JKR) and Y.Bhg. Dato’ Sri Azharuddin Abdul Rahman (Former Director-General, DCA).

On the 6 September 2022, IEM and Xiamen University Malaysia penned an MoU to jointly promote the engineering community and academia Industry-university cooperation in the world to create a platform for enhancing professional capabilities. This was followed with a membership recruitment drive on 3 October 2022 at the campus where a total of 63 students applied for student membership.

5.5 Sub Committee on IEM Log Book Training Scheme

The Sub-Committee was chaired by Ir. Mohd Azha bin Abu Samah for session 2022/2023. 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 competency elements’ 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 eighty (80) logbooks were reviewed and recommended for endorsement by the Chairman of the Standing Committee Admission and Practical Training (APT) in 2022.

The Sub-Committee also continued to conduct various activities as part of their effort to revamp the Mentor-Mentee programme’s quality in IEM. The activities recorded are as follows:

(a) Engagement Sessions

ECD conducted two (2) Webinars entitled Webinar Talk on ECD Engagement Session - Route to Professional Engineer which was organized on 19 March 2022 and 16 July 2022. Another two (2) e-Workshops entitled Virtual ECD Workshop-Route to Professional Engineer was organized on 9 April 2022 and 15 October 2022.

For the year 2022, ECD also collaborated with the Young Engineers Section (YES SB) of IEM Southern Branch to conduct a One Day Course on How to Become a Professional Engineer (Ir.) on 8 January 2022. The course was conducted virtually.

(b) IEM’s Top Mentor Award 2021

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 three (3) winning Mentors:

No	Name	Membership No	Discipline
1	Ir. Lau Eng Kee	M21721	Civil
2	Ir. Juares Rizal bin Abd Hamid	F04562	Chemical
3	Ir. Hj. Jamaludin bin Hj. Takei	M10013	Marine

5.6 IEM Training Board

The IEM Training Board chaired by Ir. Dr. Ng Soon Ching 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 various Committees and Branches of IEM. The Training Board is also responsible for the approval of CPD hour applications from external training providers. In addition, the Training Board also conducted audits on the selected programmes for verifying conformity.

Records for the year 2022 were summarised as follows:-

	Total application received (nos.)	Total application approved for CPD hours (nos.)	Total CPD hours granted (nos.)
IEM own programmes	511	505	1728
External training providers programmes	56	56	345

5.7 Special Committee on Structured Training

Ir. Mohd. Radzi Salleh continued to chair the Special Committee on Structured Training for session 2022/2023 for the eighth session. The purpose of the Structured Training programme was 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.

The Search Committee on Civil Engineering continued to conduct structured training courses for the year 2022 as follows:

- 7-Saturday Course on Geotechnical Engineering Design
This course was conducted via Hybrid mode from 4 December 2021 - 19 February 2022
- 4-Saturday Course on Project Management Construction Practice Engineering Design
This course was conducted via physical attendance from 26 February 2022 - 10 April 2022
- 8-Saturday Course on Structural Engineering Design (Hybrid course)
This course was conducted via Hybrid mode from 18 June 2022 - 27 August 2022

In addition to the above, the Special Committee is planning to conduct structured training programmes for the other engineering disciplines as well in the year 2023.

5.8 Engineering Technologist and Technician Sub Committee (ETSC)

Ir. Ricky Liew was appointed as the Chairman of Engineering Technologist and Technician Sub-Committee (ETSC) for the session 2022/2023. In order to get more representatives from IEM Branches to serve as speakers to promote the new membership grades, ETSC conducted its first virtual Speaker's Training programme on 13 August 2022 while the second Speaker's Training programme which was a joint programme with the MDP was held on 17 December 2022.

The key roles of the ETSC are as follows:

- To promote engineering technologist and engineering technician memberships
- To organize activities to support and maintain high professional standards of engineering technologist and engineering technician
- To provide specialist information on the engineering technological field to the public
- To organize forum for the exchange of engineering technological ideas in the engineering field
- To exert influence and leadership in the interest of engineering technological field for the safety of public and industry

5.8.1 Memberships & Promotion

Below is the total membership report from January until December 2022:

Type of Membership	Total
Engineering Technologist Graduate	111
Engineering Technician Graduate	26

ETSC had also organized several industrial talks and webinar for universities such as MAHSA, UniMAP, and UTHM. The Committee members also participated as guest judges for the Engineers without Borders Poster Competition organized by Herriot Watt University Malaysia (HWUM), at their Putrajaya campus in November 2022.

ETSC also conducted physical talks and recruitment drives with other industry as well such as Firefly Airlines in September 2022 and Malaysia Airlines in November 2022. The objective is to promote IEM through raising the awareness of professional certification amongst the industry players.

Moving forward, ETSC will continue to organise physical talks and membership recruitment drives with universities, colleges, and industry players to promote IEM Engineering Technologist and Engineering Technician membership. In addition, the Committee is also looking into organizing several industry talks by inviting the industry players to IEM.

6. STANDING COMMITTEE ON EXAMINATIONS AND QUALIFICATIONS

6.1 Ir. Hj. Mohd Aman bin Haji Idris continued to chair the Standing Committee for the session 2022/2023. The primary responsibility of this Standing Committee was to conduct all examinations of the Institution and to assess qualifications of applicants or institutions of learning as may be required from time to time.

In addition, the 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 in Engineering Technology programmes.

6.2 Professional Interview Board

Ir. Arul Hisham bin Abdul Rahim was re-appointed as the Chairman of the PI Board for the session 2022/2023. The main responsibility of the Professional Interview Board is to co-ordinate the outcome based professional interviews held at the Head Office as well as the IEM Branches.

The Professional Interview Board also conducts the Professional Assessment Examination (PAE) on behalf of BEM.

The PI Board had organized a one-day workshop on Code of Professional Conduct essay amongst the Committee members on 29 October 2022. The PI Board is currently looking into revising the Code of Professional Conduct essay questions since the last revision of the essay question made in 2011.

6.2.1 Professional Interviews

The results of the professional interviews conducted from January-December 2020 were recorded as follows:-

Application approved by MAB	Failed	Passed
346	51	209
	19.6%	80.4%

IEM approved a total of two hundred and sixty (260) applications for the Professional Assessment Examination (PAE) from the Board of Engineers, Malaysia (BEM) in 2022. One hundred and twenty nine (129) candidates passed whereas thirty five (35) were unsuccessful.

6.3 IEM Accreditation Board

Ir. Prof. Emeritus Dr. Zainal Abidin Ahmad continued to be the Chairman for the IEM Accreditation Board for session 2022/2023. 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.

The Accreditation Board also took charge of compiling and channeling the reports on the Diploma/Degree Engineering Technology programmes for Accreditation/Continuing/Provisional Accreditation from the various Institutions of Higher Learning by Engineering Technology Accreditation Council (ETAC) to the Standing Committee for information.

6.4 Sub Committee on Professional Interview Development

The Sub Committee chaired by Ir. Hj. Mohd Aman bin Haji Idris worked closely with the Professional Interview Board especially on conducting the Outcome Based Professional Interview workshops for the Candidates as well as the Interviewers and Assessors. The Sub Committee is also responsible to look into further improvement to the process and analysing the shortcomings or problems.

For the year 2022, the Sub Committee had conducted a half-day refresher course for Interviewers on 26 March 2022 (Saturday) at Wisma IEM, PJ. A total of 45 Interviewers attended the session. The Sub Committee had also conducted an Interviewer workshop on 2 July 2022 at Wisma IEM, PJ.

The Sub Committee also presented talks at various engineering related organisations and government agencies namely Tenaga Nasional Berhad (TNB) Integrated Learning Solution Sdn bhd, Malaysia Rail Link (MRL), Malaysia Association of Facility Management (MAFM), PETRONAS GTS and Engineering Services Division, Ministry of Health.

In addition, the Sub Committee had jointly organised an online discussion with all IEM Branches concerning PI matters together with the PI Board. The IEM Branches took the opportunity to raise difficulties or issues that the Branch faced during the session. The sessions were divided into three groups of IEM Branches and the Branch Chairman, Vice Chairman, Secretary, the Chairman or a representative of PI Branch Committee as well as the Branch PI Coordinator were invited to attend the sessions. Through the discussion, the IEM Branches managed to understand the vital issues and challenges faced by IEM HQ regarding PI and vice versa.

6.5 Professional Interview Advisory Panel

The Professional Interview Advisory Panel chaired by Ir. Ng Yong Kong was formed mainly to provide assistance, advice and guidance to candidates who had failed the Professional Interview (PI) especially on 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. To disseminate information on this service, all letters issued to candidates who failed the PI beginning session 2020 would include information of this service should the candidate need it.

6.6 Engineering Technologist and Engineering Technician Competency Assessment Board (TCAB)

Ir. Fam Yew Hin was appointed as the Chairman for TCAB for session 2022/2023. The objective of this Competency Assessment Board is as follows.

- Establish the competency assessment process for registration of Engineering Technologist and Engineering Technician Members (from graduate membership);
- Establish the qualification process for selecting the interviewers, and subsequently conduct the selection process;
- Review the reports and recommendation from the interviewers after the Engineering Technologist/ Engineering Technician Competency Assessment

TCAB had come up with a set of FAQs for Engineering Technologist Members and Engineering Technician Members to obtain information for them to apply for the two new membership grades. The FAQs had been posted in IEM website in January 2022.

TCAB had organised the second session of the Engineering Technologist Competency Assessment (TCA) and Engineering Technician Competency Assessment (TnA) Interviewers workshop virtually on 19 February 2022. 48 participants attended the workshop.

Subsequently, a virtual workshop on introduction to TCA and TnA was held on 26 February 2022 with the objective to provide a briefing on the requirements and process to the potential candidates. A total of 52 participants attended the workshop.

The Chairman had presented the International Engineering Technologists Agreement (IETA)/ Agreement for International Engineering Technicians (AIET) application for Provisional Membership on 5 July 2022 and IEM had been successful in gaining the Provisional Membership status to the IETA/AIET.

A virtual briefing session on TCA and TnA to the potential candidates was held on 6 August 2022. The objective of the session was to provide further information on the framework of the two assessments to the applicants. A total of 25 potential applicants attended the session.

A second briefing session with the potential applicants for TCA and TnA was conducted on 20 August 2022. The session was to provide guidance to the potential applicants, mainly on preparing the Training and Experience report.

As part of the initiative to encourage more Engineering Technologists and Engineering Technicians to sit for the assessments, a waiver of the assessment fee was given to the IEM member who is eligible to apply TCA and TnA. An announcement was made through IEM website and in IEM's social media platform in September 2022.

In October 2022, TCAB finalised the question bank for TCA and TnA. In preparation to submit application for Authorised Membership to the IETA/AIET, TCAB is currently promoting the two membership grades to obtain sufficient applications for the submission of audit review for IETA/AIET.

7 STANDING COMMITTEE ON INFORMATION AND PUBLICATIONS

7.1 For Session 2022/2023, the Standing Committee was chaired by Ir. Abdul Razak bin Yakob. The Standing Committee is responsible for the publication of the IEM monthly Jurutera bulletin, the bi-annual IEM Journal, 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. Abdul Razak bin Yakob and Ir. Dr. Siow Chun Lim respectively. Twelve issues of the bulletin were published for the year 2022. The titles for the issues are:

Month	Title	Month	Title
January	New Urban Development: Inclusive; Harmonious and Progressive	July	The Government's Role in Transportation Project Management
February	The World is Not Enough	August	COVID 19 Impacts on Marine Industry Sustainability and Way Forward
March	Engineering a Resilient Future	September	Electric Vehicle Infrastructure: Are We Ready?
April	Role of Chemical Engineers in the Pharmaceutical Industry	October	Infrastructure Tunnelling Works in Malaysia
May	IEM 63 rd AGM	November	Sustainability in the Mining Industry
June	Dengue Menace in a Built Environment From Cradle to Grave	December	Reimagining IEM

7.3 Journal

The office of the Principal Journal Editor was first held by Ir. Prof. Dr. Abdul Aziz bin Abdul Samad from January to October 2022 and subsequently by Ir. Dr. Teo Fang Yenn for the rest of the session.

The Journal Editorial Board (JEB) has taken various steps to improve the quality and profile of the Journal. To make it easier for the academics to find, cite, link, assess and reuse the research papers published in the IEM Journal, JEB has applied for the membership of Crossref for IEM Journal, which assigns every one of its members a Digital Object Identifier (DOI) suffix. With this DOI suffix, the Online Journal System (OJS) employed by JEB will now assign a unique DOI number to each of the issue and paper published automatically, allowing researchers from around the world to link directly to the landing page of every issue and paper of IEM Journal that are published online, dating back to all the issues published since 2011.

Another function accessible as a Crossref member is Similarity Check, which is in fact a reduced-rate iThenticate service. With the access to this online anti-plagiarism service, JEB now runs every paper through the iThenticate service to verify the authenticity of the papers, as a way to maintain the quality of IEM Journal.

In addition, JEB has also joined the Directory of Open Access Journals (DOAJ), which aims to increase the visibility, accessibility, reputation, usage and impact of quality, peer-reviewed, open access scholarly research journals globally, regardless of discipline, geography or language. During the last session, the JEB had been working hard to undertake various measures to ensure the consistency of the publication of the Journal, in order to qualify for the prestigious SCOPUS Index.

7.4 IEM Website and Homepage

The Standing Committee continues to monitor and improve the webpage. Efforts were made to make the website more user-friendly and to keep members updated with useful announcements.

7.5 IEM Resource Centre

Ir. Dr. Kannan M. Munisamy continued to chair the Resource Centre Committee for the second session.

The Resource Centre Report for 2022 is as below:

Types of book	Total
Total Physical Book	7329 Titles
Total EBook	478 Titles

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., biomedical engineering, aeronautical engineering, cyber security, artificial intelligences (AI), climate change, agricultural engineering, nano engineering and risk management.

Year	Free View sessions	Total chapter downloads	Total pages printed	Total pages copies	Total unique users
2017	2671	466	26,529	13	741
2018	17,344	7,052	164,798	48	1,342
2019	23,551	9,572	244,693	90	3,646
2020	6,421	4,434	928,590	51	2,106
2021	3,292	1,756	52,573	65	1,514
2022	2,700	1,750	35,496	15	863

EBook data statistic as shown above. For info, IEM has been subscribing Proquest EBook since May 2017.

Announcement and information on new physical books as well as eBooks are made regularly through the IEM Portal under the heading, "Benefit and Services" and also at IEM Library column as well as in the IEM Bulletin. Members who wish to borrow physical books can reserve them through the IEM Portal. Members are also encouraged to submit recommendations of new titles using new book request column.

The IEM Resource Centre continuously liaised with SIRIM Technical Library in providing a service through SIRIM Membership Card. IEM Members can use this SIRIM Membership Card and loan the required materials except Malaysian Standard, journals, and technical reports. In February 2023, IEM Resource Centre applied to be an external member of UTM KL Library. IEM members from academic and consulting fields are able to benefit from the facilities available at IEM.

8 STANDING COMMITTEE ON ACTIVITIES

8.1 The Standing Committee was chaired by Vice President, Ir. Yau Chau Fong for session 2022/2023 while the Vice Chairman is Ir. Bernard Lim Kee Weng, and the Secretary is Ir. Razmahwata bin Mohamad Razalli.

The role of the Standing Committee on Activities (ACT) is to organize all social events, visits, talks, seminars, symposiums, conferences in line with the aims and objectives of the Institution in promoting and advancing the Science and Profession of Engineering in any or all its disciplines and to facilitate the exchange of information and ideas related to Engineering.

Various Technical Divisions (TD), Special Interest Groups (SIG) and Sections (collectively referred to as TeSS) has been established through the years to coordinate the various activities. In addition, the Standing Committee on Activities (ACT) also spearheads special events such as the IEM Annual Dinner, IEM ENGINEER Convention & Exhibition, and the IEM Golf and Bowling Tournaments.

For the past three (3) years, the ongoing impact of the COVID – 19 coronavirus pandemic caused significant deterioration in economic conditions for many companies and increase in economic uncertainty for others. Despite this, the Standing Committee on Activities (ACT) had worked harder than before to ensure that the sharing of knowledge continues and benefit our members. Although the number of participants for the events were lower than before, members are still willing to continue to partake in IEM's events.

As the COVID-19 crisis enters its second year, Malaysians have responded with fortitude and flexibility. As for the IEM, while the virus remains a threat, most events were preferred to be organised via virtual platform instead of physically. Reflecting on this, for the year 2022, the Standing Committee (ACT) continued to organize our Technical Talks, Seminar, Workshop & Courses via online platforms namely 'GoToWebinar' and 'Zoom'. Conferences and Symposiums were also conducted via online platforms.

For year 2022, the Standing Committee on Activities (ACT) organised the following numbers of physical and virtual activities:-

Activities		Numbers Activities Organised	
		Virtual	Physical
Technical Talks		204	9
Technical Visits		36	5
Paid Activities	Seminars / Courses / Workshops	56	24
	Symposium & Conference	4	7
Outdoor / Social		0	5
Competition		6	3
Engineering Education Awareness		10	12
Charity		0	12
TOTAL ACTIVITIES FOR YEAR 2022		393	

More information on these activities can be found in the summary sheet of activities for the year 2022.

8.2 IEM Annual Events and Activities 2021

Some of the major events are highlighted below:

4 March 2022	IEM - DOSH Dialogue on Code of Practices for Safety In Welding And Cutting (First Revision) attended by 16 panel of members - SESIG.
16-19 March 2022	ENGINEER 2022 ENGINEER & MARVEX 2022 is Malaysia's 1 st Engineering and Air-Conditioning, Mechanical Ventilation and Refrigeration Exhibition and Conference, covering the 6 main pillars from Mechanical • Electrical • Electronic • Air-Conditioning • Mechanical Ventilation • Refrigeration. The 4 days event had attracted 5247 visitor ship, 1428 buyers which 55% are decision makers and influencers. Events held; 3 Industry Meetings and MOU Signing Ceremonies 88 Local and International Speakers 27 Power Talks & Industry Sharing Over 700 Delegates Across 4 IEM's Symposiums + 3 Industry Networking Receptions and Guided Tours during Engineers 2022.
16-17 March 2022	The International Electrotechnical Symposium & Exhibition 2022 (IESE2022), in conjunction with ENGINEERS2022 was held successfully on 16-17 March 2022 at Kuala Lumpur Convention Centre, KLCC. Total of 120 participants physically and virtually. The event was officiated by the Chief Executive Officer of Suruhanjaya Tenaga, Mr. Abdul Razib bin Dawood - EETD.
18 March 2022	Water Hazards and Security – I.R 4.0 in conjunction with ENGINEER 2022 was held at Kuala Lumpur Convention Centre on 18 March 2022 with a total of 105 virtual participants and 20 physical participants attended the event. The event was officiated by the Y.Bhg. Dato' Seri Ir. Dr. Zaini bin Ujang, Secretary-General, Ministry of Environment & Water (MEWA) - WRTD.
18 March 2022	Asean Engineering Digital Transformation Summit 2022), in conjunction with ENGINEER 2022 was on 18 March 2022 with a total of 25 virtual participants attended the event - CESIG.
19 March 2022	Project Management Conference 2022 (PROMAC 2022), in conjunction with ENGINEER 2022 was held at Kuala Lumpur Convention Centre on 19 March 2022 with a total of 125 virtual participants and 81 physical participants attended the event. The event was officiated by Y.Bhg. Datuk Ir. Hj. Mohamad Zulkefly Sulaiman, Director General of Jabatan Kerja Raya (JKR) Malaysia - PMTD.
26 March 2022	Launching Of Women In Zcience (WiZ) attended by 261 participants - WE.
22 June 2022	The 1 st Malaysia Marine Industry Conference 2022 (MMIC 2022) was held at UTM Residency Kuala Lumpur on 22 June 2022 with a total of 125 physical participants attended the event - MNATD.
23 July 2022	IEM's 63 rd Annual Dinner 2022 was held at Sunway Resort Hotel, PJ was attended by nearly 1300 invitees.
July-August 2022	The Research Poster Competition 2022 was successfully held via online and participated by 20 students from 2 categories which are Undergraduate Students and Post Graduate Students – PMTD.
3 August 2022	Engineering Education Symposium 2022 was successfully organised by E2TD with a total of 37 participants attended the event. The event was divided into 2 sessions which is in the morning session was a sharing session with speakers whilst the afternoon session was a competition for paper presentation – E2TD.
9-12 August 2022	The 19 th Asia Pacific Confederation of Chemical Engineering Congress (APCChE 2022) was successfully held at the Kuala Lumpur Convention Centre (KLCC) from 9-12 August 2022 and attended by 250 delegates. The hybrid conference has been supported by Malaysia Convention & Exhibition Bureau (MyCEB) and attracted participants from over than 10 countries. A total of 210 papers presentations were delivered - CETD.
9 August 2022	10 th IEM Chemical Engineering Design Competition 2021/2022 was held virtually and a total of 52 participants (13 teams) took part in this competition which had the theme on "Valorisation of Plastic Wastes Using Chemical Recycling Technology". The winner of this competition is the team from University of Nottingham Malaysia - CETD.
9 August 2022	2 nd Chem-E Car Poster Presentation Competition was held at the Kuala Lumpur Convention Centre (KLCC) which was participated by 36 participants (18 teams). The international level competition was successfully hosted by Monash University Malaysia. The winner of this competition is the team from Universitas Gadjah Mada, Indonesia - CETD.

August 2022	E2TD was successfully organised the Integrated Design Project Short Video Competition 2022 through out in August 2022 and attracted 75 students from all over university in Malaysia. All the winners' names have been published and announced at IEM website. – E2TD.
Aug-Sept 2022	Student Research e-Poster Competition 2022 was successfully organised by MNATD and attended by 25 students from all over Malaysia via online – MNATD.
Aug-Dec 2022	IEM Online Robotic Challenge 2022 – 147 group of 2-3 students (Total 477 participants) - ICTSIG.
13-15 October 2022	3 rd International Conference of Women in Science, Engineering & Technology 2022 (WiSET 2022) - (Conference-Online & Technical Visit-Physical) with 85 participants – WE.
18-19 October 2022	The Ground Engineering for Embankments on Soft Soils Symposium 2022 (GEESS2022) was held at Grand Dorset Subang, Selangor attended by more than 200 participants consisting local and oversea delegations on 18-19 October 2022. The event was officiated by Dato' Wira Wan Ahmad Uzir bin Hj Wan Sulaiman, the Secretary General, Ministry of Works. Also, 20 companies were participated in the exhibition in the 2 days event - GETD.
6-7 December 2022	The 15 th International Conference on Concrete Engineering & Technology 2022 (CONCET2022) with Theme – 'Innovation and Resilience in Concrete Construction' was held via fully virtual via Zoom Conference Platform. This Biennial International Conference on Concrete Engineering and Technology, has been jointly organised by; The Institution of Engineers, Malaysia (Lead Organiser for CONCET2022), University of Malaya, Kuala Lumpur, Malaysia and Universiti Teknologi Mara, Shah Alam, Malaysia. With various (7) overseas + (1) local prominent speakers and attended by more than 100 paxs registered participants and Paper Authors – CSETD. Pre Workshop Conference was organised one day before the main Conference on 5 December 2022.

8.3 IEM Presidential Award of Excellence

There was no IEM Presidential Awards for year 2021 as the awards for 2020 & 2021 were combined and presented at IEM's 63rd Annual Dinner 2022 on 23 July 2022 at Sunway Resort Hotel, PJ.

The winners were:

Winner	Tunnelling And Underground Space Technical Division (TUSTD)
2 nd Placing	Electrical Engineering Technical Division (EETD)
3 rd Placing	Mechanical Engineering Technical Division (METD)
4 th Placing	Project Management Technical Division (PMTD)
5 th Placing	Geotechnical Engineering Technical Division (GETD)
Most Improved	Electronic Engineering Technical Division (EETD)

8.4 IEM's Virtual Activities Awards

IEM, in special recognition and appreciation for the outstanding performance, contributions and efforts by the Technical Divisions, Special Interest Groups and Sections who had conducted the 'Virtual Events' shall be awarded with 'Virtual Activities Best Awards'. The Awards shall be presented effective from year 2020 onwards for the Division that has conducted the most number of Virtual Activities.

The 'Virtual Activities Best Awards' are divided into TWO (2) Awards.

1 st Awards	– The Highest Numbers of Virtual Activities Conducted
2 nd Awards	– The Highest Paid Numbers of Participants of Virtual Activities Conducted

Winners for Year 2020:

1st Award The Highest Numbers of Virtual Activities Conducted		2nd Award The Highest Paid Numbers of Participants of Virtual Activities Conducted	
Champion	Electrical Engineering Technical Division (EETD)	Champion	Civil and Structural Engineering Technical Division (CSETD)
1st Runner Up	Project Management Technical Division (PMTD)	1st Runner Up	Electrical Engineering Technical Division (EETD)
1st Runner Up	Information and Communication Technology Special Interest Group (ICTSIG)	2nd Runner Up	Geotechnical Engineering Technical Division (GETD)
2nd Runner Up	Oil, Gas and Mining Technical Division (OGMTD)		

The awards were presented to the winners at the IEM 63rd Annual Dinner 2022 on 23 July 2022 at Sunway Resort Hotel, PJ.

8.5 Technical Divisions, Special Interest Groups & Section

Due to COVID – 19 and KKM SOPs, all Annual General Meeting of the Technical Divisions, Special Interest Groups and Sections were successfully conducted via virtual platform throughout the year from April - December 2022. The election process continued to be conducted virtually through virtual 'polling system'.

8.6 The Standing Committee on Activities (ACT) Brainstorming Session

On 26 June 2022, ACT conducted a 'Brainstorming Session' to brainstorm, discuss and deliver workable solutions that can be prioritized and executed by IEM for the betterment of the Institution moving forward. ACT is also looking at the engagement of its Committee Members with outside organisations at national and international level. The session also looks at proposing activities for IEM that will add value to IEM members, and IEM's position in society.

The Brainstorming Session concluded with identification of Key Result Areas (KRAs) for ACT and TeSS;

- KRA 1 – STEM Awareness
TDs/Sections/SIGs (TeSS) shall participate in STEM promotion activities
- KRA 2 – External Engagements
ACT will have more engagement with external parties including Government Agencies/International Organizations/Local NGOs/MOU Partners
- KRA 3 – Collaboration with Young Engineers Section (Graduates) and Technologists and Technicians
ACT to further collaborate with Graduate Engineers and Technologists and Technicians between TDs/Sections/SIGs (TeSS)
- KRA 4 – Current Activities Within the TDs/Sections/SIGs (TeSS)
ACT will further organize activities for TDs/Sections/SIGs (TeSS) including activities such as joint events, sustainable development goal (SDG) & environmental, social, governance (ESG) related events and other events

9 STANDING COMMITTEE ON PROFESSIONAL PRACTICE

9.1 Ir. Prof. Dr. Tan Chee Fai was appointed as the Chairman of this Standing Committee for the Session 2022-2023. 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 2022-2023 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. Zafrul Mahmood
The IEM Fire Advisory Board on Fire Protection Services	Ir. Yim Hon Wa
The Disaster Risk Reduction Advisory Board (DRRAB)	Dato' Ir. Nor Hisham
Sub Committee on Street, Drainage & Building Act (Act 133) and Uniform Building Bylaws (Revised) 1984	Ir. Yasotha Ramachandran Chetty
IEM Arbitrator Appointment / ADR Advisory Board	Ir. Prof. Dr. Tan Chee Fai
Sub Committee on Screening of Complaints and Queries	Ir. Ang Kok Keng
Sub Committee on Legislation Affecting Engineering Profession	Ir. Lai Sze Ching

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 2022-2023. The main objectives of this Sub Committee are:

Matters related to the Engineering Contracts;

- (i) IEM Form of Contract for Mechanical and Electrical Engineering Works (Third Edition, January 2017);
- (ii) IEM Form of Contract for Civil Engineering Works (Third Edition, January 2017);
- (iii) IEM Form of Nominated Sub-Contract for Engineering Works (December 2017).

9.2.1 **Sub Committee Activities for year 2022**

- (a) **Webinar Talk on “Comparing and Contrasting Design & Build Contract vs. Traditional Contract”**
The webinar was held on 1 March 2022 by Ir. Jeffrey Lee Sheu Tiong. This talk is to highlight the major differences and requirements between these 2 forms of contract and their procurement approaches. It aims to provide the audience with a better understanding of the salient requirements of these 2 different forms of contract and the advantages and disadvantages with each of the procurement or project implementation approach.
- (b) **2-Day Course on MyCESMM2**
The course was successfully held on 22-23 March, 6-7 September and 19-20 December 2022 at Wisma IEM, Petaling Jaya.
- (c) **Online One Day Course: IEM Conditions of Contracts Simple Explainer**
The course was successfully held through online on 13 April 2022. The course was organized by IEM Penang Branch with Ir. Ang Kok Keng as the speaker. This course is the simplified version of the webinar series which was held in 2021 by Ir. Ang Kok Keng on the simple explanation to the IEM Form of Contract for Civil Engineering Works (CE 2011) by categorising all clauses into different aspect.
- (d) **Webinar on IEM Form of Nominated Sub-Contract for Engineering Works**
The webinar was successfully held on 5 August 2022 by Ir. Ho Kin Wing. This webinar is to give an introduction and overview of the 2017 IEM Sub-Contract and to provide a more detailed study of Article 31 - Delay and Extension Date for Completion.
- (e) **1-Day Course (Hybrid) on IEM Conditions of Contract Simple Explainer**
The course was successfully online on 13 December 2022 by Ir. Ang Kok Keng. This course offers simple explanation to the IEM Form of Contract for Civil Engineering Works (CE 2011) by categorising all clauses into different aspect.
- (f) **Webinar on Legal Procedure for Contracts Administrators and Engineers**
The webinar was successfully held on 17 December 2022 by Ir. Lim Eng Chong and Ms. Leong Yin Wei.

9.2.2 **Revision of the Form of Contracts**

In November 2022, the Sub Committee had started to revision the IEM.CE 2011 & IEM.ME 2012 for typo error or minor changes.

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. Zafrul Mahmood was re-appointed as the Chairman for the 2022-2023 session.

9.3.1 **Sub Committee Activities for the year 2022**

The Sub Committee held its regular meetings on bi-monthly on second Tuesday of the month to discuss matters, summarized as follows:

- (i) The Workshop Dispute Avoidance No. 6 was planned to conduct physically in 2022 but re-scheduled to 2023 due to low participants.
- (ii) Review the IEM Arbitration Rules 2016.
- (iii) IEM Arbitration Rules 2022 was officially published and uploaded at IEM website on 5 August 17 August 2022.
- (iv) Sub Committee planned to update the IEM Arbitration Rules 2022 based on the modification to UNCITRAL Rules 2010.

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 continued for another term as the Chairman of the Fire Advisory Board (FAB) on Fire Protection Services for the session 2022-2023. The scope and main objectives of this Advisory Board are as follows:

- (a) 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 participated in the following meetings/dialogues/events:

- (a) Majlis Perundingan Jabatan Bomba Dan Penyelamat Malaysia Bersama Badan Profesional Bilangan 1/2021 held on 7 March 2022

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) Working Group on Guidelines for Fire Detection and Fire Alarm System (NSC M/ TC 1/WG 1-2)
- (d) TC on Passive Fire Protection System (TC/M/2)
- (e) TC on Wet Fire Protection System (TC/M/3)
- (f) TC on Smoke Management (TC/M/4)
- (g) TC on Clean Agent Fire Extinguishing System (TC/M/5)
- (h) WG on Portable Fire Extinguisher (WG/M/5-1)
- (i) Working Group on Gaseous Fire Extinguisher System - Clean Agent (NSC M/TC 5/WG 5-3)
- (j) Technical Committee on Fire Properties of Building Material (TC/M/6)
- (k) Working Group on Fire Rated Lift Landing Doors: Fire Resistance Test (WG/M/6-1)

9.4.3 The Advisory Board Activities for the year 2022:

- (a) **Webinar Series on Guideline on Testing and Commissioning of Fire Protection Systems**
The event was successfully held virtually on 4-6 January 2022. The event was a part of the activities to create awareness on the guidelines as well as to explain on the content of the guideline to the public.
- (b) **Technical Seminar Online: Update on Fire Suppression Agents**
The event was successfully held virtually on 15 December 2022. The event was a collaboration with ACEM & MFPA to update the members and the public on the fire suppression agents.

9.5 The Disaster Risk Reduction Advisory Board (DRRAB)

Y.Bhg. Dato' Ir. Nor Hisham bin Mohd. Ghazali continued another term as the Chairman of the Disaster Risk Reduction Advisory Board (DRRAB) for the session 2022-2023.

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 Wildfire, 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 Selangor Disaster Management Unit and Smart Selangor

The Advisory Board paid a courtesy visit to SUK Selangor on 22 November 2022. The purpose of this visit is to offer IEM's services for the Selangor Disaster Management Unit and Smart Selangor as well as to continue to contribute and re-establish the connection between the Advisory Board and the Unit.

9.5.3 Position Paper on Water Supply Resilience in Malaysia

This paper aims to establish a Special Committee on Water Supply Resilience to study and increase the water supply resilience in Malaysia and its potential solutions that could be adopted and supported by Government of Malaysia. Currently, a few stakeholders had been identified and the composition of the position paper is ongoing.

9.5.4 AFEO Working Groups

The Advisory Board (DRRAB) at its meeting agreed to nominate Y.Bhg Dato' Ir. Nor Hisham Bin Mohd. Ghazali (Chairman) as the main representative and the Deputy Chairman or Secretary of DRRAB as the alternate 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 meetings attended:

- (a) AFEO Midterm Meeting (4-7 August 2021) hosted by Malaysia virtually
- (b) 39th CAFEO (29 November - 3 December 2021) held virtually and physically at Bandar Seri Begawan hosted by Brunei Darussalam

9.5.5 WFEO Disaster Risk Management Committee

Y.Bhg. Dato' Ir. Nor Hisham was appointed as the IEM representative for the WFEO Disaster Risk Management Committee. He attended the committee meeting online on 14 October 2022.

9.5.6 Call for Experts and Volunteers

The IEM Disaster Risk Reduction Advisory Board (DRRAB) under the IEM Standing Committee on Professional Practice (PPC) is compiling a list of volunteers to join the Advisory Board team. Kindly provide your input and interest to IEM Secretariat.

9.6 Sub Committee on 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.

9.7 IEM Arbitrator Appointment / ADR Advisory Board

Ir. Prof. Dr. Tan Chee Fai took over the Chairmanship of the Sub Committee for 2022-2023 session.

9.8 Sub Committee on Screening of Complaints and Queries

Ir. Ang Kok Keng continued to serve as the Chairman of the Sub Committee for 2022-2023 session. The scope of work is to screen the complaints made against members on grounds of ethics, unfair dismissal, professional misconducts, unethical practice of Professional Engineers and other issues. This Sub Committee will determine whether such complaints warrant a need to set up disciplinary Adhoc Committee to hear such cases. No complaint received in 2022.

9.9 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:

- Review of the Registration of Engineers Act 1967 (Rev 2016)
- Technologists and Technicians Act 2015 (Act 768)

9.10 The Engineering Practice Advisory Committee

9.10.1 Introduction

In response to requests from IEM Branches for the formation of an advisory panel on legal matters to assist members, the formation of such a committee was entrusted to PPC. An Advisory Panel was formed during the last session with the scope that was not only confined to legal matters but also covers engineering practice related matters including preliminary or general advice on legal matters. For specialized advice on legal matters, members would need to approach their own lawyers.

Ir. Lee Weng Onn continued to serve as the Chairman of the Engineering Practice Advisory Committee for the session 2022-2023.

9.10.2 The scope of this Advisory Committee are as follows:

- (a) To advise IEM members on practice related matters including advice on legal matters, procedures and practices of a general nature;
- (b) To discuss such matters and to assist and guide members where necessary;
- (c) To publish FAQs to guide members on practice matters

9.10.3 Composition of Committee

- (a) The committee comprise a chairman, a deputy chairman and representatives from the following committees:
 - Sub-committee on Engineering Contracts
 - Sub-committee on DARP
 - Sub-committee on Street, Drainage and Building Act
 - Standing Committee on E&Q
 - Standing Committee on Admission
 - Other members that the committee deems fit to invite
- (b) In addition to the above, the committee is expected to also have among its committee members, IEM members who have served in the following committees and sub-committees of BEM:
 - Professional Practice Committee
 - Scale of Fees Committee
 - Sub-committee of Appendix A, B & C
 - Investigation committees and Disciplinary Committee of BEM
 - CCC Sub Committee
- (c) Legal advisors comprising engineers with appropriate legal qualifications.

9.10.4 Modus Operandi

- (a) The committee shall have 2 scheduled meetings a year and as many ad-hoc meetings as required.
- (b) The scheduled meetings are to be held to review progress, coordinate preparation of FAQ's and to formulate policy. Scheduled meetings shall be subjected to IEM Constitution & By-Laws' requirements;
- (c) The ad-hoc meetings shall be held in response to queries received and shall comprise mainly of members related to the nature of enquiry and interested parties.

9.11 Outside Bodies Representation (OBR)

The appointed Chairman, Ir. Prof. Dr. Tan Chee Fai continues to oversee representatives to attend and participate by maintaining and establishing close rapport with 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 to the IEM President assisted by the PPC Chairman, IEM Honorary Secretary and relevant Committee Chairmen to appoint and identify IEM representatives to attend the 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 Committees, Technical Divisions, Special Interest Groups (SIG), Young Engineers Section (YES) and Branch representatives represents IEM in more than 150 technical committees, working groups. IEM representatives also attends relevant events, dialogues and meetings at various local government agencies, institutions, and universities.

All representatives who attend the external meetings are 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 related parties 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.

IEM also continues to support other local and international events as well as participate as joint organizer and supporter (without financial commitment).

Details of events organized by recognized external parties are uploaded regularly to the IEM website (refer to 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 Y.Bhg. Dato' Ir. Ahmad Murad bin Omar served as Chairman for Session 2022/2023 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 unable to be organised due to COVID-19 restrictions during the session. Thus, the Standing Committee coordinated more online webinar talks, which would benefit members of the Institution.

10.2 IEM Benevolent Fund

A total of RM44,587.38 worth of donations was received in 2022. IEM would like to record its appreciation to the members for their kind support and generosity. The balance available in the fund as at 31st December 2021 is RM49,051.73.

10.3 Jurutera Wargamas (JWS) and Exempted Members

This scheme specially designed for members who are senior citizens or disabled is aimed at reducing the annual subscriptions for these members to an affordable amount. The affected members would need to pay only 25% of the annual subscription fee with the balance to be settled from the IEM Benevolent Fund Account. For the year 2022, there were 2 applications 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 are no charges imposed for the job vacancy advertisement.

10.4.2 Job Bank and Match-Make

The Standing Committee also assists members who have difficulties finding jobs due the MCO situation. Members are invited to submit their resume to the Job Bank and Welfare will assist to match with suitable vacancies available.

10.5 IEM Family Day 2022

IEM Family Day 2022 still could not be organized in view of the need to protect the safety and health of members and their families. Nevertheless, the Recognition Award for SPM/STPM/A-Level award recipients was still being offered to the children of IEM members who achieved outstanding results in their SPM, STPM and A-Level in the 2021 exam. Certificates of achievement and prize were given to the winners. For the year 2022, a total of 16 for SPM, 1 for STPM and 1 for A-Level students were rewarded.

10.6 IEM Engineering Week 2022

No event conducted during the year.

10.7 Insurance Matters

Several insurance schemes are being negotiated with insurance companies for members' benefit. These included Professional Indemnity Insurance as well as Life and other General Insurance.

10.8 Affinity Programmes

IEM continue to collaborate with CIMB on the affinity credit card programme which would benefit IEM where 0.1% of the amount spent by members using the card would be contributed as rebate to IEM. Other benefits also include enabling IEM members to 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% rebate is a substantial income to IEM whereby the more you spend, the more will be your contribution to IEM.

10.9 Webinar Talks

The Standing Committee began to organize more webinar talks that can benefit IEM members with interesting topics on health issues, leadership and financial management including programmes on additional skills for the young engineers. More prominent speakers from various background are being approached to conduct webinar talks.

10.10 Other Benefit Projects

The Committee continues to negotiate with vendors and merchants to look into joint collaborations for the benefit of IEM members. For the year 2022, the Committee had renewed corporate rates with Mercedes Benz, BMW, Renault, BP Healthcare, Institut Jantung Negara, Kybun, Red Wing Shoes, Focus Point, Restoren Karak and Armada Hotel. New merchants such as Berjaya Hotels & Resorts, Grand Margherita and Riverside Majestic, CELCOM, Bank Islam and Assunta Hospital had been successfully signed.

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 struggle faced by all to survive the Covid-19 crisis and the MCO restrictions, IEM 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 products offered are personal financing, house financing, SME and others. For more details, members can log on to Members Benefits page in the IEM website or contact IEM Secretariat.

11 STANDING COMMITTEE ON CORPORATE AFFAIRS

11.1 Ir. Mohd Khir bin Muhammad continued to serve as its Chairman for second term for session 2022/2023 and continued to look into means of improving the image of the Institution in the eyes of its members and general public.

The Standing Committee oversees various initiatives to improve the image of IEM as the premier engineering institution in Malaysia and the ASEAN region and handles co-ordination of the international involvement of IEM and monitors the activities of the various IEM foreign initiatives.

11.2 Memorandum of Understanding

IEM continues to establish Memorandum of Understanding with the following institutions:

Institution of Engineering and Technology (IET) (Renewal)	21 January 2022
Korean Professional Engineers Association	27 August 2022
Malaysia Joint Branch Royal Institution of Naval Architects and Institute of Marine Engineering, Science and Technology (MJB-RINA IMarEST) (Formerly known as MoU with Institute of Marine, Science and Technology (IMarEST))	26 September 2022

11.3 MoUs with Universities / Institutions of Higher Learning

In addition to overseas engineering institutions, IEM continued to embark on signing MoUs with Universities and Institutions of Higher Learning (IHLs) in Malaysia. Each University or IHL covenants to recruit a minimum of 50% Student Members for IEM in each of their intakes. The recruitment exercise includes collection of the membership subscription fee at RM50.00 per Student Member. IEM would allocate an amount equivalent to 30% of the total membership fees collected from the students, to be utilised by the Universities or IHLs for activities by their Student Section or IEM Student Members of the Universities or IHL.

The Universities or IHLs would also allocate a slot for IEM to meet and speak the graduating students on Route to IEM Membership just prior to their graduation. In the session under review, IEM signed MoUs with the following Universities or IHLs:

Southern University College	25 August 2022
Xiamen University Malaysia	6 September 2022
Curtin University Malaysia (formerly known as Curtin University Sarawak Malaysia)	26 November 2022

11.4 MoUs with Local Professional Institutions

IEM also signed MoUs with the following local Professional Institutions in 2022.

Project Management Institute Malaysia Chapter (PMIMY)	11 March 2022
Association of Malaysia Airlines Licensed Aircraft Engineers (AMALAE)	19 March 2022
The Institution of Mechanical Engineers	24 August 2022

11.5 Interview Sessions, Press Releases and Press Statements

For the year under review, the Standing Committee continued to be active in providing press releases and press statements on various engineering issues and matter of national interest. A total of five (5) press statements and two (2) press releases were sent. There was also a press clipping published in the media. The clipping was uploaded onto the IEM Web Portal Newsroom for the general members' information.

11.6 Courtesy Visit with Government Ministers, Government Agencies, Ministry Officials, Local Councils and other organisations

Upon the country moving into endemic stage, IEM resumed its relationship and initiated courtesy visits to foster closer ties with ministries, government agencies, local councils as well as other professional organisations. The list of courtesy visits conducted during the year is as follows:

9 May	Courtesy visit to the office the Johor Chief Minister to seek his support for the AFEO Midterm Meeting which was hosted by IEM Southern Branch from 25-27 August 2022.
2 June	Courtesy visit to office of the Senior Minister of Works, Y.Bhg. Datuk Seri Haji Fadillah bin Haji Yusof.
20 July	Courtesy visit to office of the Vice Chancellor of UiTM. Professor Datuk Ts. Dr. Hajah Roziah Mohd Janor.
20 August	Courtesy visit to Malaysian Nuclear Agency.

11.7 Visits/Dialogues with Overseas/Local Engineering Institutions

IEM held dialogues with the following visitors who paid courtesy visits to IEM in 2022:

22 July	IEM Miri Branch led by the Chairman Ir. Chong Boon Hui (first lady chair of IEM Miri Branch) together with some of its committee members visited HQ on 22 July 2022.
22 August	Korean Professional Engineers Association (KPEA) led by the President, Dr. Joo Seung Ho together with Mr. Yoon Sugk-Yong and Ms. Shin So I visited IEM HQ.
29 August	Persatuan Insinyur Indonesia (PII) led by the President, Dr. Ir. Danis Hidayat Sumadilaga together with PII Committee members visited IEM HQ. PII had arranged the inauguration of Executive Committee of The Institution of Engineers Indonesia (Malaysia Chapter) at the Indonesian Embassy in Malaysia on the same day and invited IEM for the event.
26 September	Royal Institution of Surveyors Malaysia (RISM) led by the President, Sr. Dainna Baharuddin together with RISM Committee members visited IEM HQ.
7 October	Sarawak Multimedia Authority (SMA) Sarawak Multimedia Authority (SMA) led by Deputy Chief Scientist & Deputy Chief Advisor, Prof. Ir. Ts. Al Khalid Hj. Othman visited IEM HQ.
21 November	International Real Estate Federation (FIABCI Malaysian Chapter) led by their President, Datuk Sr. Firdaus bin Musa visited IEM HQ.

11.8 Branding of IEM

In the period under review, the Sub Committee on Social Media Presence continued to look into means of improving the branding of the Institution and to have solid social media presence. Postings were made on Branches of IEM, IEM Council Members 2022/2023 and winners of Final Year Paper Competition.

11.9 “IEM Meet the Public” Session (IMP)

The Sub Committee on IMP continued to offer IEM’s service of advice in the general populace, took on new issues and problems related to Engineering.

11.10 IEM as part of Government Funded Programme

11.10.1 Empower Trade Associations (ETA) Grant 2022

IEM was invited to submit proposal for the ETA grant by the Malaysia External Trade Development Corporation (MATRADE) that was eventually approved. With the grant, IEM setup a Malaysia Pavilion and brought over twenty-eight (28) Malaysian companies to showcase their products and services at the following two (2) events:

47 th Annual National Convention (ANC) and 3E EXPO 2022, Manila, The Philippines	10-12 November 2022
Malaysia Pavilion at CAFEO 40, Phnom Penh, Cambodia	5-7 December 2022

11.11 Inter-Professional Activities

The Institution continued its close rapport with other professional bodies and organisations amongst which include:

- Board of Engineers Malaysia (BEM)
- The Chartered Institute of Arbitrators (CIArb)
- The Malaysian Institute of Arbitrators (MIArb)
- Association of Consulting Engineers, Malaysia (ACEM)
- Pertubuhan Akitek Malaysia (PAM)
- The Royal Institution of Surveyors, Malaysia (RISM)
- Construction Industry Development Board (CIDB)
- Balai Ikhtisas Malaysia (BIM)
- Malaysian Services Providers Confederation (MSPC)
- Technological Association of Malaysia (TAM)
- Building Management Association of Malaysia (MBAM)
- Confederation of Scientific and Technological Associations in Malaysia (COSTAM)
- Malaysian Geotechnical Society (MGS)
- Malaysia Structural Steel Association (MSSA)
- Professional Skills Development Centre (PSDC)
- Department of Standards Malaysia (DSM)
- Standards and Industrial Research Institute of Malaysia (SIRIM)

The Institution continued its close rapport and liaison with member institutions of the following associations and organisations on matters of common interest:

- ASEAN Federation of Engineering Organisations (AFEO)
- Commonwealth Engineers Council (CEC)
- World Federation of Engineering Organisations (WFEO)
- Federation of Engineering Institutions of Islamic Countries (FEIC)
- Federation of Engineering Institutions of Asia and the Pacific (FEIAP)
- Asian Pacific Confederation of Chemical Engineers (APCChE)
- International Engineering Alliance (IEA)
- International Tunnelling Association (ITA)
- International Network for Women Engineers and Scientists (INWES) and Asia Pacific Nations Network (APNN)

11.12 ASEAN Federation of Engineering Organisations (AFEO) Secretariat

To oversee the various initiatives to improve the image of Institution and the position of IEM as the leader of engineers in Malaysia and the ASEAN region, this Standing Committee handles the co-ordination of the international involvement of IEM and monitors the activities of the various IEM foreign initiatives.

11.13 ASEAN Federation of Engineering Organisations (AFEO) Secretariat

The AFEO Governing Board continued to maintain the AFEO Secretariat at IEM. Ir. Mohd Khir bin Muhammad, IEM Vice President and Chairman of the Standing Committee on Corporate Affairs was re-appointed as the AFEO Secretary General for a third year. IEM also continued as the AFEO Honorary Treasurer for the session 2022-2023, helmed by Ir. Prof. Dr. Zuhaina binti Zakaria.

As Malaysia eased on travel restrictions with other countries, IEM hosted the AFEO Midterm Meeting at Trove Johor Bahru from 25-27 August 2022. Preparation for the meeting venues and activities were arranged by IEM Southern Branch. The meetings and activities saw close to 150 attendees. The first day started with a friendly golf tournament and ended with a welcome reception and networking night. This event was hosted by Tourism Johor. During this event, AFEO celebrated its 40th Anniversary with a cake cutting ceremony and launching of AFEO's 40th Anniversary logo to be used in all promotional materials with effect from 1 August 2022 till 31 July 2023.

Later in the year, the Board of Engineers, Cambodia (BEC) hosted the 40th Conference of ASEAN Federation of Engineering Organisations (CAFEO 40) at the Sokha Phnom Penh Hotel & Residence, Cambodia from 5-7 December 2022. The theme for CAFEO 40 was "Changing Role of Engineers in Industry 4.0". Approximately 120 representatives from IEM attended the meetings, conferences, business networking sessions and technical visits.

The AFEO Governing Board endorsed the list of Honorary Fellows and Honorary Members from the various countries. The IEM members who received the conferment for 2022 were:

AFEO Honorary Fellows
<p>Ir. Prof. Dr. Leong Wai Yie IEM Past Vice President (2021/2022), WE-AFEO Past Sec-General, IEM-WE Past Chairperson, AER Ambassador to Fed MES</p>
<p>Ir. Assoc. Prof. Dr. David Chuah Joon Huang AFEO Past Hon Treasurer (2020-2022), IEM Hon Secretary (2020-2022)</p>
<p>Ir. Chen Harn Shen IEM Vice President, IEM Country Registrar, IEM Chairman AER NMC, IEM Past Hon Treasurer</p>
<p>Ir. Fam Yew Hin Hon Treasurer 2020/2021, Chairman of METD 2013-2015, IEM Council member since 2017</p>
<p>Ir. Yap Soon Hoe AFEO Hon Treasurer and IEM Hon Secretary 2017-2018, IEM Council Member since 2013</p>
AFEO Honorary Member
<p>Y.Bhg. Dato' Ir. Dr. Ahmad Anuar bin Othman Senior Director (Management), Department of Irrigation and Drainage, Malaysia</p>
<p>Ir. Abdullah Zawawi bin Mohd Noor IEM Branch Chairman (Terengganu) and IEM Council Member</p>
<p>Ir. Tuan Hj. Abrizan bin Abd. Kadir IEM Branch Chairman (Kelantan) and IEM Council Member</p>
<p>Ir. Bernard Lim Kee Weng IEM Council Member, IEM Excomm Member and IEM Penang Branch Chairman</p>
<p>Ir. Lalchand Gulabrai Adjunct Professor, UCSI University Malaysia</p>
<p>Mr. Kuugan Thangarajoo YES Chairman, YEAFEO Past Secretary- General, 2020/2021 & 2021/2022</p>
<p>Ir. Prof. Dr. Lau Hieng Ho Miri Branch Past Chairman</p>
<p>Ir. Mah Siew Kien IEM – WE Hon Secretary 2016/2017 and Sec General WE-AFEO, 2017-2019, IEM-WE Chairperson, 2017-2019</p>
<p>Ms. Michelle Lau Chui Chui Served as IEM Rep to WE-AFEO and observe</p>
<p>Assoc. Prof. Dr. Habibah binti Haron IEM-WE Committee Member - active in STEM</p>

11.14 **ASEAN Engineering Register (AER)**

IEM being appointed as host of the Secretariat of ASEAN Engineering Register (AER) continued to maintain the Register and chair the Executive Committee at IEM. The AER Secretariat based at the IEM premise also continued to organize activities for the Register. Ir. Yau Chau Fong, Vice President and Chairman of Standing Committee on Activities, continued his tenure as the AER Head Commissioner. The AER includes the registration of membership comprising the Engineers, Engineering Technologist, Engineering Technicians and Associate members.

In line with the objectives of the AER which is to facilitate the mobility of engineers within ASEAN, the AER Executive Committee and AFEO Governing Board continue their effort in establishing a framework of mutual recognition of qualification amongst the ASEAN member organisations, which AER members who wish to practice outside their home country may carry with them and have their professional qualification recognised.

AER Executive Committee under the leadership of Ir. Yau embarked on various activities to promote membership and benefits of AER by organizing AER Roadshows, upgrading the AER database and issuance of an AER membership card for identification purpose.

During the AFEO Midterm Meeting held in Johor Bahru, AER launched the Commemorative AFEO Coffee Table E-Book (CACTEB), which was a project undertaken by this Committee for AFEO. CACTEB is a collection of historical facts on the formation of AFEO and its activities over the years.

With the introduction of the ASEAN Business Chat for Engineering (ABC4E), the AER Executive Committee continued to work on creating business opportunities in ASEAN by organising, participating in exhibitions and business networking sessions.

The membership of AER comprises of the following grades of membership:

- ASEAN Engineers (AE)
- ASEAN Engineering Technologists (AET)
- ASEAN Technicians (AT)
- Associate ASEAN Engineers (AAE)
- Associate ASEAN Engineering Technologists (AAET)
- Associate ASEAN Technicians (AAT)

11.15 **AER National Monitoring Committee (NMC)**

Ir. Chen Harn Shean continued as Chairman of this Committee. The main role of the AER NMC in IEM is to process applications from members of IEM and the Technological Association of Malaysia (TAM) to be registered with the ASEAN Engineers Register (AER). The Committee also arranges for AER certificates and medallions presentations to successful applicants from IEM and TAM. On 19 March 2022, the NMC organised a Certificate Presentation ceremony after a two-year gap, in conjunction with ENGINEER 2022 at KLCC.

11.16 **Asia Pacific Economic Cooperation and Engineers Mobility Forum (APEC/EMF) International Engineer Register Committee**

BEM, IEM and ACEM are the three organisations that jointly maintain the APEC Engineer/IntPE status in Malaysia. The President of BEM, Y.Bhg. Dato' Seri Ir. Haji Mohamad Zulkefly bin Sulaiman chaired the National Monitoring Committee Meetings and head the National Monitoring Committee (NMC) which is based at BEM during the period under review.

The NMC consists of two representatives each from BEM, IEM and ACEM, whereby IEM is represented by IEM President Ir. Prof. Dr. Norlida Buniyamin and the Immediate Past President Ir. Ong Ching Loon.

The processing of applications from IEM members for the Registers is under purview of the Standing Committee on Admissions and Practical Training chaired by Ir. Chen Harn Shean. The Membership Applications Board chaired by Ir. Dr. Lee Yun Fook would vet and process all applications and forward the submission to the Standing Committee for approval. To date, a total of 721 members have registered for both the Registers.

The present strength of the register is 617 active members. The details are as follow:
 (Admitted and Total Registered 2021) = 48 Members + 673 (Total Registered 2021).
 Total registered members for 2022 according to accession numbers = 721

	Civil	Electrical	Electronic	Mechanical	Chemical	Petroleum	Instrumentation & Control	Total	YTD
January 2022	3	2	1	-	-	1	-	7	680
April 2022	2	6	2	8	2	-	1	21	701
July 2022	-	-	-	5	-	-	-	5	706
November 2022	5	7	1	2	-	-	-	15	721
								48	

In summary, the membership status of the registers are as follows:

1	Total Active APEC and IntPE Member	617
2	Deleted, Resigned and Deceased	104
3	Reinstated	-
	Total Registered APEC & IntPE Members	721

11.17 International Engineering Alliance (IEA)

The International Alliance Meeting (IEAM 2022) was held in Killarney Island, Ireland 2-7 October 2022 hosted by Engineers Ireland.

Ir. Prof. Dr. Norlida Buniyamin, IEM President 2022/2023, Vice President and Chairman of the Standing Committee on Examinations and Qualifications Ir. Hj. Mohd Aman bin Idris and Ir. Fam Yew Hin, Chairman of Engineering Technologist and Engineering Technician Competency Assessment Board (TCAB) attended the meeting. IEM President, Ir. Prof. Dr. Norlida Buniyamin, also represented BEM for the Accords sessions. The objective of the meeting was to discuss and collect inputs on several key issues particularly with regards to IEA's future direction, long term strategy, the IEA Accords and Competency Agreements.

11.18 Federation of Engineering Institutions of Asia and the Pacific (FEIAP)

The 30th FEIAP General Assembly and 6th International Convention was held in Cebu, Philippines from 27-29 July 2022.

IEM continued to host the permanent Secretariat of FEIAP for another five years from 2018 until 2023 with Ir. Dr. Tan Yean Chin as the Secretary General. Prof. Dr. Hwang Wei, Provost, Northwestern Polytechnical University (NWP) of Chinese Association of Science and Technology (CAST) continued as the FEIAP President for third session. Dr. Charlie Than of Myanmar Engineering Council (MEngC) continued as the FEIAP President-Elect.

During the General Assembly, Y.Bhg Academician 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. During this meeting, the GA also approved the formation of a new Standing Committee called Emerging Technologies for Professional Development. Y.Bhg Academician Tan Sri Ir. Dr. Prof. Chuah Hean Teik was appointed the Acting Chairman for 1 year. The next GA is scheduled to be held in Yangon, Myanmar from 15-17 September 2023.

The 13th FEIAP Exco meeting was again held virtually on 26 November 2021 hosted by the FEIAP Secretariat in Petaling Jaya. NPU-FEIAP B&R Engineering Education Training Centre based in Xi'an, China continued to provide training courses for its member economies. FEIAP had also set up the AAP Accord Engineering Education Council in collaboration with Federation of African Engineering Organisations (FAEO). Through the AAP Engineering Council, various activities and meeting were arranged in collaboration with the Federation of African Engineering Organisation (FAEO) to promote FEIAP Engineering Education Guidelines or equivalent.

The 1st joint FAEO/ FEIAP Conference 2022 on International Capacity Building in Engineering Education Forum and ZIE Biennial Conference was successfully held in Zimbabwe from 15-20 August 2022. IEM was represented by President Ir. Prof. Dr. Norlida Buniyamin, FEIAP Secretary-General, Ir. Dr. Tan Yean Chin and Y.Bhg. Academician Tan Sri Ir. Prof. Em. Dr. Chuah Hean Teik, Chairman of the FEIAP Engineering Education Standing Committee.

The 14th FEIAP Exco meeting was held in Phnom Penh, Cambodia during CAFEO 40. For the year under review, the NPU-FEIAP B&R Engineering Training Centre (NFTC) based in Xi'an, China continues to provide training courses for its member economies.

11.19 **Federation of Engineering Institutions of Islamic Countries (FEIIC)**

The IEM representatives as identified by Excomm were President Ir. Prof. Dr. Norlida Buniyamin, Ir. Mohd Khir Muhammad, and Ir. Prof. Dr. Ruslan Hassan who was to attend any meetings and General Assembly organized for FEIIC. 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.

IEM and MySET had formed the FEIIC National Monitoring Committee with the IEM Representatives identified by Excomm serving in this Committee.

The Regional Secretariat for FEIIC continued to be based in Serdang, Selangor. No meetings had been arranged due to the CMCO in Malaysia since 2020.

11.20 **World Federation of Engineering Organisations (WFEO)**

Prof. Dr. José Vieira of FEANI, the European Federation of National Engineering Associations, had taken over the Presidency of WFEO with Engr. Mustafa bin Shehu of Nigerian Society of Engineers (NSE) being elected the President-Elect.

IEM President and Honorary Secretary remained as the official representative to WFEO. Hon Secretary session 2021/2022, Ir. Assoc. Prof. Dr. David Chuah Joon Huang attended the WFEO General Assembly in San Jose, Costa Rica from 9-10 March 2022.

IEM continued to participate in WFEO activities whereby Dato' Ir. Nor Hisham bin Mohd Ghazali who is also the Chairman of IEM Disaster Risk Reduction Advisory Board (DRRAB) was nominated as the IEM representative to WFEO's Disaster Risk Management Committee.

The WFEO General Assembly 2023 will be held in October 2023 in Prague Czech Republic together with the World Engineering Conference.

11.21 **Commonwealth Engineers Council (CEC)**

Prof. Paul Jowitt, ICE Past President, remained as the President of CEC for another session. CEC has opened for nomination to some positions in their new Council whereby IEM was invited to participate. CEC continues to publish its newsletter highlighting its achievements as part of its activity for the year.

11.22 **Asian Pacific Confederation of Chemical Engineers (APCChE) Director's Board Meeting and Congress**

IEM successfully hosted the APCChE Board Meeting and Congress from 8-12 August 2022 at KLCC. Approximately 100 participants attended the event. Ir. Prof. Dr. Dominic Foo Chwan Yee, who was the Chairman of this event, continued as the representative of IEM at the APCChE meetings.

11.23 **International Tunnelling Association (ITA)**

IEM is officially represented by IEM President with Ir. Dr. Ooi Teik Aun as alternate representative. Ir. Dr. Boon Chia Weng continued as the IEM representative for the ITA young members.

11.24 **International Activities**

The Institution also continues to foster close relationships with professional Institution in USA, UK, Japan, Korea and China. Some of these organisations are:

- Institution of Engineers, Singapore (IES)
- Hong Kong Institution of Engineers (HKIE)
- Engineers Australia (EA)
- Korea Professional Engineers Association (KPEA)
- The Institute of Electrical and Electronic Engineers, USA (IEEE)
- The Institution of Civil Engineers, UK (ICE)
- The Institution of Mechanical Engineers, UK (IMechE)
- The Institution of Chemical Engineers, UK (IChemE)
- The Institution of Engineering and Technology (IET)
- Japan Federation of Engineering Societies (JFES)
- China Association for Science and Technology (CAST)
- The Institution of Engineers, India (IEI)
- Malaysia Joint Branch Royal Institution of Naval Architects and Institute of Marine Engineering, Science and Technology (MJB-RINA IMarEST)

12 AWARDS COMMITTEE

12.1 Ir. Prof. Dr. Norlida Buniyamin, the IEM President, chaired this Committee for the session 2022/2023. The Committee met 4 times in 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 Further improvements are being made by the Special Committee under the chairmanship of Ir. Lai Sze Ching and will be presented to the AGM on 16 April 2022 for approval.

13.2 The proposed amendments approved by the Council for presentation to the AGM are tabulated at the front pages of this Annual Report.

14 IEM EDUCATION FUND

14.1 The Board of Management of the IEM Education Fund continued to be chaired by the IEM President. This Committee meets once every three months to monitor the activities of the Fund and to consider scholarship to the needy students.

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. For the year 2022, a total of 17 universities submitted their nominees for the IEM Gold Medal Award which was subsequently presented during IEM's 63rd Annual Dinner on 23 July 2022.

The IEM Book Prize is awarded to the best first year engineering student of all universities who had signed MOUs with IEM. A total of 3 students recommended from these IHLs were presented with the Book Prize at RM400 each.

Scholarships available for application were announced in the IEM official website regularly. For the year 2022, only TT Chiam Memorial Scholarship and Tan Sri Datuk Ir. Prof. Chin Fung Kee Memorial Scholarship is open for application, the interview will only be conducted in 2023.

Koon Yew Yin Perak Scholarship was awarded to only 1 candidate listed below. This scholarship was established with a donation from Mr. Koon Yew Yin for students from the state of Perak.

Chee Yong Kang	RM9,950
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For the year 2022, total amount of donations by members to the IEM Education Fund stood at RM30,415.65 compared to RM35,727 in 2021. The Board would also like to record its sincere appreciation to all IEM members who donated generously to the IEM Education Fund.

14.2 IEM Student Sections

IEM now has 34 IEM Student Sections set up at various universities.

These Student Sections are based at the following universities:

- (1) Universiti Multimedia – MMU
- (2) Universiti Teknologi Malaysia – UTM
- (3) Universiti Sains Malaysia – USM (Nibong Tebal, Pulau Pinang)
- (4) Universiti Teknologi MARA – UiTM (Shah Alam)
- (5) Universiti Tenaga Malaysia – UNITEN (Bangi)
- (6) Universiti Tunku Abdul Rahman – UTAR (KL)
- (7) Universiti Teknologi Petronas – UTP (Perak)
- (8) Universiti Malaysia Sabah – UMS (Sabah)
- (9) Universiti Malaysia Pahang – UMP (Pahang)
- (10) Universiti Tun Hussein Onn Malaysia – UTHM (Batu Pahat)
- (11) Curtin University – Curtin (Sarawak)
- (12) Universiti Malaysia Perlis – (UniMAP)
- (13) Universiti Teknikal Malaysia Melaka (UTeM)
- (14) Universiti Malaysia Sarawak (UNIMAS)
- (15) Universiti College Sedaya International (UCSI)
- (16) Asia Pacific University of Technology and Innovation (APU)
- (17) Monash University Malaysia (MUKL)
- (18) Taylor’s University – Lakeside Campus (Subang)
- (19) The University of Nottingham Malaysia
- (20) Nilai University
- (21) Manipal University
- (22) SEGi University
- (23) Tunku Abdul Rahman University College
- (24) MAHSA University
- (25) Universiti Kebangsaan Malaysia (UKM)
- (26) Universiti Malaya (UM)
- (27) AIMST University
- (28) Infrastructure Universiti Kuala Lumpur (IUUKL)
- (29) Heriot-Watt University Malaysia (HWUM)
- (30) KDU University College
- (31) Universiti Putra Malaysia (UPM)
- (32) Xiamen University Malaysia (XMUM)
- (33) Politeknik Ungku Omar (PUO)
- (34) Southern University Collect (SUC)

The Board allocates a budget of RM1,000.00 to each Student Section for its annual activities. Student Sections can submit their proposed plan for activities to request for the allocation.

14.3 The Education Fund Management Board also continue to sponsor the Tan Sri Hj. Yusoff Ibrahim FYP (Final Year Project) Competition in 2022. The winners for 2022 are as follows:

Winner	Discipline	Project Title
Chng Sook Ling <i>Tunku Abdul Rahman University College</i>	Material Engineering	Cu-Gr-TiO ₂ Ternary Nanocomposite for the application of Anticorrosion coating: Synthesis, Characterization and Anticorrosion properties

2nd	Discipline	Project Title
Nurul Nadiah binti Zulkeflee <i>University Putra Malaysia</i>	Computer Communication Systems Engineering	Gold-coated Optical Fiber Sensor for SARS-COV-2 Detection
3rd	Discipline	Project Title
Loh Ee Sam <i>Universiti Malaya</i>	Biomedical Engineering	An Automated Identification of Plasmodium Parasites Malaria from Microscopic Blood Smear images.
Consolation Prizes	Discipline	Project Title
Adrian Ng Tze-Min <i>Universiti Malaya</i>	Mechanical Engineering	CFD Simulation of a vehicle cabin Thermal Environment with and without human body thermal comfort evaluation in hot and humid climate
Yee Jia Jun <i>Universiti Malaysia Pahang</i>	Civil Engineering	Application of spent coffee grounds (SCG) in concrete railway sleepers.
Nabilah binti Mahmud Seri Wijaya <i>Universiti Putra Malaysia</i>	Engineering Process & Food	Optimisation in the formulation of sweet-potato cracker production by using microwave heating process
Tai Jia Wei <i>UTAR</i>	Chemical Engineering	Removal of nickel (II) ions by floating aquatic plants.

15 IEM POSITION PAPERS

15.1 The Co-ordinating Committee for Position Papers chaired by the Deputy President, Ir. Dr. Jeffrey Chiang Choong Luin was entrusted to monitor and co-ordinate the progress of the Committees set up to prepare each position paper.

15.2 Position Papers that have been submitted or presented to the Ministries

No.	Position Paper Title	Chairman	Ministries
1.	The Impact of Sea Level Rise on Coastal Communities and Development	Dato' Ir. Nor Hisham Ghazali, DRRAB	KASA
2.	Employment of Professional Engineers in Key Government Positions	Datuk Ir. Lt. Kol. (B) Kamaruzaman Zainal	KSN and JPA <i>(pending presentation)</i>

15.3 Position Paper and Guideline have been successfully completed:

No.	Position Paper Title	Chairman
1.	Revolutionized Construction 4.0	Ir. Prof. Dr. Jeffrey Chiang Choong Luin
2.	IEM Engineering Guideline on the Prevention and Control of Dengue	Dato' Ir. Lim Chow Hock

15.4 Position Papers currently in progress are as follows:

No.	Position Paper Title	Chairman
1.	Promoting Active Transportation in Achieving Low Carbon City	Ir. Dr. Asitha Krishnan Sivasankaran, HTETD
2.	Hydrogen as a New Energy Course	Ir. Kwok Yew Hoe Joint Collaboration of EETD, METD, ENETD & CETD
3.	Electronic Industry Ecosystem in Malaysia – Challenges and Opportunities in Supply chain, Talent and Technology Development	Dr. Leow Cheah Wei, eETD
4.	Opportunities and Risks of Nanotechnology Products in Malaysia	Ir. Prof. Dr. Cheong Kuan Yew, MaTD
5.	Guideline on Design of School Buildings for Epidemic Prevention	Ir. Dr. Bhuvendhraa Rudrusamy

6.	Water Supply Resilience in Malaysia	Ir. Steven Toh Chin Kok, DRRAB
7.	Flash Flood in Malaysia	Ir. Dr. Wong Wai Sam, WRD
8.	i) Human Capacity Building for National Policy on Industry 4.0 (Industry 4WRD) ii) Development of Smart Manufacturing Guidelines	Ir. Prof. Dr. Tan Chee Fai
9.	Engineer's Roles in Construction Safety	Ir. Francis Ngiam Kee Hwee, SESIG

16 BRANCHES AND SECTIONS

16.1 Penang Branch

16.1.1 Ir. Bernard Lim Kee Weng continued his second term as the Branch Chairman for session 2022/2023. The total membership of the Branch stands at 2,079 as at December 2022 comprising 32 Fellows, 5 Senior Members, 559 Members, 16 Senior Graduates, 387 Graduates, 2 Incorporated Members, 2 Engineering Technologist Graduate Members, 2 Engineering Technician Graduate Members and 1,074 Student Members.

During the year 2022, the IEM Penang Branch Committee together with the Young Engineers Section (YES) and Women Engineers (WE) organized numerous activities. School career talks and Universities Recruitment Drives were also organized as awareness programmes for students for them to understand what engineering as career is all about. Seminars, courses, workshops, and technical talks were also conducted solely aimed towards the success of Continuous Professional Development and Lifelong Learning Programmes.

A total of 101 CPD activities were carried out in 2022.

08/01/2022	YES Annual General Meeting via Online Platform 36 young graduates attended this AGM led by YES Chairman (session 2021) Mr. Low Chung Kitt.
11/01/2022	A New Microalgae Biorefinery Technology for Circular Bioeconomy – Internet of Things Liquid Biphasic System This virtual talk conducted by Prof. Ir. Ts. Dr. Show Pau-Loke was attended by 4 participants.
15/01/2022	What Engineers should know about the Brain, Spinal Cord and Nerves? The What? The Which? The Why? The speaker for this Free Medical Talk was Prof. Dato' Dr. Hj. Jafri Malin Abdullah and 210 participants attended via FB live and Zoom platform.
19/01/2022	Roadmap to BIM SOP (small group) This physical workshop was attended by 10 members. The speaker was Mr. Kim Wong.
19/01/2022	WE Flood Donation Drive to SJKT Taman Permata, Dengkil, Selangor 10 WE members donated 2 printers to the school.
22/01/2022	Mentor-Mentee Engagement Workshop Ir. Dr. Mui Kai Yin was the speaker for this virtual workshop attended by 33 participants.
08/02/2022	Courtesy Visit to YB Chong Eng and PWDC relating to WE Conference and Women in Engineering (WIE) Event These were carried out by 6 Executive Committee members.
10/02/2022	Collaboration with CIDB Talk on Industrialised Building System (IBS) & Building Information Modelling (BIM) The speakers were En. Zaharuddin Mohamed Tambah and En. Zafri Nasrullah Mohamed Ali. 41 members attended this online talk.
19/02/2022	Women in Engineering: Introducing Engineering (General) Collaboration with PWDC, STEM, IEEE, IET, TAM A Career Talk by Ir. Catherine Sim Siew Ping was attended by 14 students.
23/02/2022	Machine Learning Application in Construction Industry 63 members attended this online talk by Ts. Syahrul Fithry bin Senin.
26/02/2022	Collaboration with George Town World Heritage (GTWH) 1) Conservation works for Heritage site & 2) Heritage Building Conservation Practice in Malaysia This Virtual Talk was attended by 31 members. The Speakers were En. Muhammad Hijas Sahari and Mr. Tan Chin Ling.

04/03/2022	Women Engineers (WE) Conference 2022 There were 2 Keynote Speakers and 5 Speakers for this WE Conference which was held at Bayview Hotel, Penang with 115 participants.
03/03/2022	MOU Signing Ceremony between IEM and PSDC & Dialogue Session The event was led by Ir. Ong Ching Loon and Ir. Bernard Lim with 22 members attended.
05/03/2022	Technical visit to The Habitat Penang Hill 17 members attended the physical visit. Ir. Michael Yap and Ir. Chan Xiang Zmin were the moderators.
09/03/2022	Virtual Technical Visit to Jabatan Pengaliran & Saliran, Penang 16 members attended this virtual technical visit.
09/03/2022	ZnO nanomaterials: From synthesis to photocatalytic applications Ir. Assoc. Prof. Ts. Dr. Pung Swee Yong was the speaker for the talk attended by 12 participants.
11/03/2022	Visible & near infrared spectroscopy and its potential role in medical diagnosis 7 members participated in this online talk by Dr. Ahmad Fairuz Omar .
15/03/2022	Advancement of Silica Aerogels for Engineering Application This online talk were attended by 10 participants. Dr. Muhamad Azizi Mat Yajid was the speaker.
19/03/2022	Route to MIEM & PE This virtual Workshop was conducted by Ir. Dr. Mui Kai Yin and 27 participated.
20/03/2022	WE/YES Cycling @ Karpal Singh Drive Link Bike station and CSR Beach cleaning at Pantai Bayan Mutiara This Sport cum CSR event was attended by 25 WE & YES members together with their family members.
24/03/2022	Meeting with Outside Bodies on SPEAD matters The meeting was attended by 12 SPEAD members.
25/03/2022	55th IEM Penang Branch Annual General Meeting AGM was conducted via hybrid mode and attended by 153 members.
26/03/2022	Women in Engineering - Introducing Engineering (Academia) collaboration with PWDC, STEM, IEEE, IET, TAM 100 students attended this virtual career talk. The speaker was Assoc. Prof. Dr. P. Susthitha Menon.
28/03/2022	Integrated Circuit Design: Challenges and Solutions This virtual talk by Assoc. Prof. Ir. Dr. Arjuna Marzuki was attended by 14 members.
02/04/2022	Professional Series (Part 2 of 5): Seismic Design and Earthquake Engineering Malaysian National Annex for Seismic Design and Its Effect on Buildings' Construction Cost 56 participants attended the virtual talk by Assoc. Prof. Dr. Mohmmadreza Vafaei.
13/04/2022	IEM Conditions of Contract - simple explainer This virtual Course was conducted by Ir. Ang Kok Keng and attended by 129 members.
17/04/2022	Introduction to IEM - UniMAP This virtual recruitment drive was conducted by Ir. Dr. Mui Kai Yin. Attended by 148 participants.
20/04/2022	Collaboration with USM & UiTM by Earthquake Engineering Sub-Committee on Tutorial and Training This physical collaboration led by Ir. Chua Beng Seong was held at Penang Secretariat Office and 13 Students attended.
22/04/2022	Optimizing pump selection for a sustainable, holistic & eco-efficient Green Building Mr. Eddie Lee was the speaker for the virtual talk attended by 79 participants.
23/04/2022	WE/YES CSR Beach cleaning @Pantai Bayan Mutiara This CSR activity was carried by 37 WE and YES members in conjunction with Earth Day.
23/04/2022	Achieving Wellness in Modern Society: Can the Quality of Human Lives keep pace with longevity? This free talk by Mr. Johnathan Chew was attended by 25 participants via Zoom & FB live.
25/04/2022	Computational Fluid Dynamics (CFD) Applications in Heating, Ventilation and Air-Conditioning (HVAC) & Surface Mount Technology (SMT) Dr. Mohd Azmi bin Ismail, Dr. Mohd Sharizal bin Abdul Aziz & Dr. Mohd Syakirin bin Rusdi were the speakers for this virtual talk. There are 16 participants.

28/04/2022	Digitalization of Construction 4.0 Community – The Building Information Modelling (BIM) 78 members attended the virtual talk and Ts. Dr. Eeydzhah binti Aminudin was the speaker.
30/04/2022	Women In Engineering - Manufacturing The career virtual talk was conducted by Ms. Tan Suan Kee and attended by 80 students.
11/05/2022	Indah Geoportal – IWK’s Geospatial Solution in Managing Sewerage Asset Information for Engineers The virtual collaboration talk was conducted by IWK’s Dr. Afifa Safira A. Gani and attended by 42 members.
13/05/2022	Toward Smarter Transports: AI in Vehicles & Video Analytics for Traffic Data Collection Dr. Mohd Nadhir Ab. Wahab & Mr. Ahmad Faiz Sharifuddin were the speakers and was attended by 52 members.
21/05/2022	MIPNB-IEMPG Active Mobility Walkabout 2022 This physical Walkabout collaboration was conducted by TPr. Amelia Neoh and Ir. Ong Sheng How. 9 members joined this walkabout in the streets of Georgetown.
23/05/2022	Certification and Importation of Communication and Multimedia Products in Malaysia Ts. Mohd Zulfadzli bin Abu Seman is the speaker for this virtual Talk and attended by 7 members.
24/05/2022	Courtesy Visit & Dialogue with Penang Green Council by Penang Green Sub-Comm 7 Executive Committee attended this Courtesy Visit & Dialogue.
27/05/2022	Understanding Causation & Negligence in Law of Tort in Construction Industry This virtual talk was attended by 75 participants and the speaker was Dr. Zul Zakiyuddin Ahmad Rashid.
28/05/2022	Career in STEM: Material Engineering This virtual career talk was conducted Prof. Ir. Dr. Ang Bee Chin and it was attended by 65 students.
28/05/2022	Charity Drive to Silver Jubilee Home at Jalan Sungai Dua, Penang By YES The charity was carried out by 7 YES members.
01/06/2022	Collaboration with USM & UiTM by Earthquake Engineering Sub-Committee on Tutorial & Training This physical tutorial & training was led by Ir. Chua Beng Seong and was attended by 11 students.
04/06/2022	Professional Series: Seismic Design and Earthquake Engineering (Part 3 of 5): Lessons learnt from 2015 Sabah earthquake Assoc. Prof. Dr. Mohammadreza Vafaei was the speaker for virtual talk attended by 67 participants.
11/06/2022	Forum on PCE Sharing: Route to Professional Engineer with Practising Certificate (PEPC) This sharing forum was conducted by Ir. Ng Jun Ming and Ir. Marcus Lim Eu Sheng. It was attended by 25 members.
17/06/2022	Electric Vehicle Charging Station (EVCS) The physical technical talk conducted by Mr. Dahari Mat Siran was held at Secretariat Office and was attended by 12 members.
24/06/2022	Courtesy Visit to office of Ir. Rajendran P Anthony, Setiausaha Bandaraya MBPP 4 Executive members visited the City Secretary in Komtar, Penang.
29/06/2022	“MS IEC 62305: 2011 Protection against lightning” Mr. Gary Blackshaw and Mr. Jeffrey Wiyana were the speakers for the physical talk at Secretariat Office and was attended by 33 members.
30/06/2022	New Product Development: How Engineers Can Use Project Management Methodologies To Accelerate Development with A Quality Mindset This virtual talk was attended by 17 members. The Speaker was Mr. Then Nam Sing.
02/07/2022	Professional Series: Seismic Design and Earthquake Engineering (Part 4 of 5): Passive Dampers and Their Application in Vibration Mitigation The speaker was Assoc. Prof. Dr. Mohammadreza Vafaei for the virtual talk and was attended by 73 members.
03/07/2022	Technical visit to Pejabat Pengurusan Lembangan Sungai Muda & Sg. Muda Barrage This physical visit was attended by 15 members.

05/07/2022	Introduction to Drone Applications (General & Construction) Mr. Lim Guan Ming was the speaker for this virtual talk attended by 41 participants.
13/07/2022	MBPP Night Shelter - Towards Triple Net-Zero This online talk is by Mr. Baylon Tham Wai Leong and attended by 48 members.
15/07/2022	IEM AER Branch Roadshow The collaboration roadshow was conducted by Ir. Yau Chau Fong which was held in PSDC.
16/07/2022	IEM AER Branch Roadshow This roadshow was conducted by Ir. Yau Chau Fong at IEM Secretariat office. It was attended by 16 members.
21/07/2022	Complete Guide to Design Jig & Fixture The online talk was attended by 21 participants. Ir. Dr. Ahmad Baharuddin bin Abdullah was the speaker.
22/07/2022	How Smart Inverter Works in the Solar Photovoltaic (PV) System? This physical technical talk held at Secretariat office was attended 16 participants. Mr. Ng Siew Chun was the speaker.
23/07/2022	Careers in STEM: Invention & Innovation Dr. Bugs Tan was the speaker for this virtual Career Talk attended by 42 students.
27/07/2022	Analysis, Design and Construction of Tensioned Fabric Structures Ir. Prof. Dr. Choong Kok Keong and Ms. Migico Sing Si Wei were the speakers for this technical talk held at IEM Secretariat office. It was attended by 19 members.
29/07/2022	IEM Introduction to Osram Opto Semiconductors (M) Sdn Bhd This recruitment drive was conducted by Ir. Dr. Mui Kai Yin and Ir. Prof. Dr. Cheong Kuan Yew. It was attended by 20 participants.
30/07/2022	Restoration of Heritage Building: Cheah Kongs The speaker was Ar. Mei Chee Seong for this virtual talk and was attended by 68 participants.
06/08/2022	eETD Annual General Meeting eETD AGM was led by Ir. Dr. Lee Choo Yong and was attended by 37 members via hybrid mode.
13/08/2022	Medical Talk: Honey, there are Microbes in my foods! Assoc Prof. Dr. Chai Lay Ching was the speaker for this virtual talk attended by 25 participants.
15/08/2022	Courtesy Visit to office of Penang Chief Minister & CEO of Perbandaran Bekalan Air (PBA) 7 Executive committee members went to visit the Penang CM and CEO of PBA.
18/08/2022	Courtesy Visit to office of TYT Tun Dato' Seri Utama Fuzi bin Haji Abdul Razak 7 Executive Committee members visited TYT Tun Dato' Seri Utaman Fuzi.
18/08/2022	Advancing Net Zero Carbon with Green Energy This virtual talk was attended by 50 participants and the speaker was Ts. Eugene Choo.
19/08/2022	Photonic Integrated Circuit and Heterogeneous Laser Integration Dr. Lee Chee Wei was the speaker for this online talk attended by 15 participants.
24/08/2022	Hosting Korean Professional Engineers Association (KPEA) President & 2 delegates at IEM Secretariat Office and visited CM's office together with President 5 Executive Committee hosted the President & 2 delegates of KPEA, Korea.
01/09/2022	Geotechnical Engineering Seminar 2022 Geotechnical Engineering Seminar 2022 was held in G-Hotel was attended by 161 participants. There are 7 speakers.
02/09/2022 03/09/2022	"IEM STEM INNOVATION SHOWCASE 2022" - Pertandingan Pameran Inovasi STEM IEM 2022 This competition was held at Han Chiang High School, Penang and was participated by 89 students.
07/09/2022	Improving Fan System Efficiency with Latest State-of-the-Art Technology 77 participants attended this online talk. Mr. Andrew Kirtonand and Ir. Ng Yong Kong were the speakers.
14/9/2022	Enhancing architectural with state-of-the-art lighting innovation embrace with IOT technologies & Sustainability Mr. Gaurav Yadav and Arsalan Ahmed were the speakers for this seminar held in Eastin Hotel. It was attended by 44 members.

15/09/2022	Understanding BS 8414: Preparing Your Building Facade for Fire Safety Compliance 73 participants attended the online talk. Mr. Low Ping Hing and Mr. Jack Chum were the speakers.
02/10/2022	Collaboration with IEM, UTM & MBSP on Community Service - Urban Farming Program This CSR activity was carried by WE and YES committee members together with UTM and MBSP. 45 people attended.
13/10/2022	Recruitment drive in USM Nibong Tebal by University Collaboration Sub Committee About 600 students attended the recruitment drive in USM, Nibong Tebal, Penang, led by Ir. Tan Yan Moy.
17/10/2022	Courtesy visit to Pengarah and management staff of JKR 5 Executive Committee members visited the Pengarah of Jabatan Kerja Raya and his management team.
21/10/2022	An Overview of the Klang Valley Mass Rapid Transit (KVMRT) Projects 20 members attended the physical talk at IEM Secretariat office and the speaker was Ir. Dr. Ooi Lean Hock.
22/10/2022	MaTD Annual General Meeting 41 members attended the virtual MaTD Annual General Meeting.
26/10/2022	Collaboration with USM & UiTM by Earthquake Engineering Sub Committee on Tutorial & Training This physical tutorial and training was led by Ir. Chua Beng Seong and was attended by 11 students.
28/10/2022	Managing Disaster Risk Reduction and Climate Change in Penang – Leave No One Behind Pn. Haslinda binti Mohamad Hamran was the speaker for the online talk attended by 30 participants.
29/10/2022	Outcome Based Professional Interview Workshop The online workshop was attended by 71 members. Ir. Dr. Mui Kai Yin was the speaker.
01/11/2022	1-Day Seminar on “Pelaksanaan BIM dalam Projek Kerajaan” - How to Implement BIM in JKR’s Projects This physical seminar was a collaboration with Jabatan Kerja Raya with 6 speakers. It was participated by 65 members.
02/11/2022	Dialogue between Branch Committee, eETD and MaTD The dialogue was conducted virtually and attended by 13 committee members.
10/11/2022	Professional Visualization for Civil Engineering in Rendering and Animation The physical half-day seminar was attended by 20 members. Mr. Tan Beng Song and Ms. Cha Shyh Lei were the speakers.
12/11/2022	IEM STEM Earthquake-Resilient Tower (ERT) Design Competition 2022 This Competition was held at 1st Avenue Mall, Penang and was participated by 110 secondary school students.
26/10/2022	Collaboration with USM & UiTM by Earthquake Engineering Sub Committee on Tutorial & Training This physical tutorial & training was led by Ir. Chua Beng Seong and was attended by 11 students.
22/11/2022	Introduction to Lean Manufacturing 17 members attended this online talk. Assoc. Prof. Dr. Yeap Gik Hong was the speaker.
26/11/2022	2019, 2020 & 2021 Distinguished Engineers’ Legacy Lectures The Legacy Lectures was conducted physically by Y.Bhg. Dato’ Ir. Addnan Mohd Razali, Y.Bhg. Dato’ Ir. Dr. Goh Teik Cheong and Y.Bhg. Dato’ Ir. Rajendran P. Anthony at Setia SPICE Convention Centre. It was attended by 59 members.
26/11/2022	IEM Penang Branch Academic Awards 2022 Ceremony Penang Branch’s first Academic Awarded was held in conjunction of 55 th Annual Dinner at Setia SPICE Convention Centre. 11 USM & 4 UiTM best academic students were the recipients.
26/11/2022	IEM Penang Branch 55th Annual Dinner 970 guests attended the Annual Dinner which was held at Setia SPICE Convention Centre.
30/11/2022	Recruitment drive in UiTM by University Collaboration Sub Committee This drive was led by Ir. Tan Yan Moy and was attended by 250 students.

30/11/2022	Commercial Building with a Flat Roofing System Ms. Angeline Goh was the speaker for the online talk which was attended by 51 participants.
02/12/2022	How to Customize Metal Roof System to Meet Building Design Standards & Performance Criteria The virtual talk by Mr. Low Ping Hing and Mr. Jack Chum was attended by 51 participants.
14/12/2022	Technical Visit to Micron Memory Malaysia Sdn. Bhd. 25 members participated in the physical visit.
10/12/2022	The Many Faces of Mushroom The Free Online Talk attended by 18 participants was organized by a medical team and MaTD. Dr. Phan Chai Wei was the speaker.
13/12/2022	IEM SPEAD Games Badminton Training 01 (Friendly match by IEM members with local authorities & professional bodies) 10 players took part in this Friendly Match held at OSK Sport Center & Badminton Academy.
14/12/2022	Virtual Technical Visit to MIMOS MIMOS' Advanced Analytical Laboratory – Failure Analysis and Material Analysis This was attended by 45 participants.
16/12/2022	Visit to Intel PG16 HEC Customer Experience Center The physical visit to this factory was led by Dr. Ngoo Seong Boon and attended by 43 members.
16/12/2022	SEMINAR BUILDING ENERGY INTENSITY (BEI) This Seminar was collaborated with MALA and was held at Setia SPICE Convention Centre with several speakers. It was attended by 37 members.
22/12/2022	IEM SPEAD Games Badminton Training 2 (Friendly match by IEM members with local authorities & professional bodies) 5 players took part in this Friendly Match held at Permata Sports Complex .
29/12/2022	IEM SPEAD Games Badminton Training 3 (Friendly match by IEM members with local authorities & professional bodies) 7 players took part in this Friendly Match held at Sunway Sports Centre.

16.2 Southern Branch

16.2.1 Ir. S. Thayala Rajah, served as the Chairman for session 2022/2023. The total membership as of 31 December 2022 stood at 5,562 with 37 Fellows, 1 Honorary Fellow, 5 Senior Member, 5 Honorary Members, 540 Members, 30 Senior Graduate Members, 607 Graduate Members, 3 Engineering Technologist Graduate, 1 Engineering Technician Graduate, 1 Affiliate Member, 6 Incorporated Members, 3 Associate Member and 4323 Student Members.

The following activities were conducted by the Southern Branch for the year 2022:

06/01/2022	Sharing Session: Talk on “LinkedIn Profile Building” organized by IEM-UTM Student Section via Google Platform.
14/01/2022	Sharing Session: A Date with Engineers (ADWE) 4.1 organized by IEM-UTM Student Section via Facebook Live and Cisco Webex.
22/01/2022	Webinar: Talk on “Design of Steel to Concrete Fastening with the Latest Design Code & Software” was organized by YES IEM (Southern Branch) via Zoom Platform.
12/02/2022	Webinar: Talk on “Seismic Vulnerability of Buildings in Malaysia; Current Condition and Future Challenges” by Dr. Mohammadreza Vafaei was organized by IEM (Southern Branch) via Zoom Platform.
26/02/2022	Webinar: Talk on “Introduction to Geotechnical Design and Construction Works” was organized by YES IEM (Southern Branch) via Zoom Platform.
02/03/2022	IEM-UTM Student Section Committee Recruitment 2021/2022 was conducted by virtual.
11/03/2022	Sharing Session: Copywriting & Marketing organized by IEM-UTM Student Section via Google Platform.
11/03/2022 13/03/2022	EDMAT: Engineering the Future: The New Norm organized by IEM-UTM Student Section via Zoom Platform.

12/03/2022	Webinar: Talk on “IEM Health and Wellness Series Episode 11: It’s OK To Not Be OK!” organized by IEM-UTHM Student Section via Microsoft Teams Platform.
19/03/2022	Webinar: Talk on “Sheet Membrane Technologies Over the Basement Waterproofing vs. Concrete Admixture” was organized by IEM (Southern Branch) in collaboration with Sika Kimia via Zoom Platform.
20/03/2022	Webinar: Talk on “Route to be M.I.E.M and Professional Engineer” for Majlis Bandaraya Johor Bahru (MBJB) and Tenaga Nasional Berhad (TNB) was conducted by virtual.
21/03/2022	Volunteer Onboarding Session organized by IEM-UTM Student Section via Zoom Platform.
23/03/2022	Sharing Session: FutureLab x InvencMax organized by IEM-UTM Student Section via Google Meet.
25/03/2022 27/03/2022	Participated in IEM Health and Wellness Symposium: Live, Love and Learn organized by IEM Young Engineer Section and IEM Student Section was conducted by virtual.
25/03/2022 26/03/2022	Sharing Session: Career Guide: Embracing the Corporate World organized by IEM-UTM Student Section via Zoom Platform.
26/03/2022	Sharing Session: IEM Health and Wellness Symposium - The Detective organized by IEM-UTHM Student Section via Zoom Platform.
26/03/2022	The 48th Annual General Meeting (AGM) of The Institution of Engineers, Malaysia (Southern Branch) was conducted at The Trove Hotel, Johor Bahru with an attendance of 132 members.
31/03/2022	Participated in 4th International Conference on Dengue Control and Prevention – “A Perspective of An Engineer’s Approach Through Social Engineering to Fight the Bite” organized by Rotary Club Muar (D3310) held at SKT Hall, Muar, Johor.
01/04/2022	IEM-UTHM Virtual Membership Drive 2021/2022 organized by IEM-UTHM Student Section via Microsoft Teams Platform.
06/04/2022	InvencMax 2.0 Workshop organized by IEM-UTM Student Section via Zoom Platform.
09/04/2022	Webinar: Talk on “Energy Efficiency on Latest Motor / Drive Technologies & Their Applications” was organized by IEM (Southern Branch) in collaboration with Toshiba Mitsubishi-Electric Industrial Systems Corporation via Zoom Platform.
09/04/2022	Virtual Career Fair 2022 – Emerge Yourself organized by IEM-UTHM Student Section via Microsoft Teams Platform.
23/04/2022	Webinar: Talk on “The Art of Roof Drainage: Symphonic System” organized by YES IEM (Southern Branch) via Zoom Platform.
30/04/2022	Sharing Session: Talk on “Managing Project Teams Effectively” organized by YES IEM (Southern Branch) via Zoom Platform.
09/05/2022	Courtesy Visit to the Office of YAB Datuk Onn Hafiz bin Dato’ Ghazi, Menteri Besar Johor.
09/05/2022	Special Meeting: Ad-Hoc committee on Proposed IEM (Southern Branch) Training Centre was held at IEM (Southern Branch) Secretariat Office.
14/05/2022	Talk on “Route to be M.I.E.M and Professional Engineer” in conjunction with Seminar Kejuruteraan Awam (SEMKA) Program Perdana Semester 2, Session 2021/2022 via Webex Platform.
17/05/2022	Sharing Session on Professional Society: Talk on “Route to be Professional Engineer” for UTM’s lecturers and staffs via Webex and Google Meet Platform.
20/05/2022	AFEO Working Group Committee 2nd meeting for 21st Mid Term AFEO Governing Board Meeting was conducted by virtual.
20/05/2022	Solidworks Workshop organized by IEM-UTHM Student Section via Google Meet & Facebook Live
21/05/2022	Professional Interview – Outcome-Based Competence Assessment (OBICA) Workshop: “Route to Become M.I.E.M and Professional Engineers” was conducted by IEM (Southern Branch) at IEM (Southern Branch) Training Centre, Johor Bahru.
21/05/2022	IEM (Southern Branch) Hari Raya Open House 2022 was held at The Ponderosa Golf & Country Resort.
27/05/2022	Virtual Coffee Talk Series: Life as An Engineer – Electrical & Electronics Engineering organized by IEM-UTM Student Section

27/05/2022 28/05/2022	InvencMax 2.0 Competition organized by IEM-UTM Student Section via Zoom Platform
27/05/2022 29/05/2022	Virtual Coffee Talk Series – Life as an Engineer organized by IEM-UTHM Student Section via Google Meet & Facebook Live
28/05/2022	Bowling game organized by YES IEM (Southern Branch) at Daiman Bowl, Johor Jaya, Johor Bahru.
29/05/2022	Virtual Coffee Talk Series: Life as An Engineer – Mechanical Engineering organized by IEM-UTM Student Section via Google Meet & Facebook Live
03/06/2022	Engineering Carnival: Site Visit to Amphenol FCI Connectors Sdn. Bhd. at Senai, Johor organized by IEM – UTM Student Section.
03/06/2022	Intermediate STAAD. Pro Workshop organized by IEM-UTHM Student Section via Microsoft Teams.
04/06/2022	Webinar: Talk on “Introduction to Passive Fire Protection” organized by YES IEM (Southern Branch) via Zoom Platform.
11/06/2022	IEM-UTHM Student Section Annual General Meeting Session 2021/2022 was conducted at Bilik Mesyuarat Seri Siantan, UTHM, Batu Pahat, Johor.
14/06/2022	Talk on “Route to be M.I.E.M and Professional Engineer” for Postgraduate Student Society of School of Electrical Engineering (PGSS-SKE) UTM via Webex Platform.
25/06/2022	Half-Day Workshop on “Roadmap to BIM S.O.P.” was organized by IEM (Southern Branch) at IEM (Southern Branch) Training Centre, Johor Bahru.
27/06/2022	Courtesy Visit to Iskandar Regional Development Authority (IRDA)
28/06/2022	Courtesy Visit to Director of Jabatan Kerja Raya Johor, Ir. Abu Bakar bin Abd. Aziz.
28/06/2022	IEM-UTM Student Section Supreme Recruitment by Hybrid at M40, Kolej Tun Dr. Ismail (KTDI), UTM, Skudai Johor.
30/06/2022	Ir. Thayala R Selvaduray and Ir. Binee Chng Yu Leng represented IEM (Southern Branch) for University of Southampton Malaysia’s New Campus Launch and the 10th Anniversary Celebration at Iskandar Puteri, Johor.
03/07/2022	Talk on “Route to be M.I.E.M and Professional Engineer” for Tenaga Nasional Berhad was conducted via Webex Platform.
07/07/2022	Technical Visit to SIRIM Berhad (Johor Branch) was organized by IEM (Southern Branch).
08/07/2022	YES Sharing Session: Talk on “Engineers in Post Pandemic Era” organized by YES IEM (Southern Branch) via Zoom Platform.
13/07/2022	Courtesy Visit to Director of Jabatan Pengairan Dan Saliran Johor, Ir. Amiruddin bin Alaldin.
18/07/2022	Courtesy Visit to EXCO of Public Works, Infrastructure, and Transportation Johor, Y.Bhg. Tuan Ir. Ts. Mohamad Fazli bin Mohamad Salleh.
30/07/2022	YES Sharing Session: Talk on “Common Design/Construction Problems for High Rise Building in Mechanical Field” was organized by YES IEM (Southern Branch) via Zoom Platform.
25/08/2022 27/08/2022	ASEAN Federation of Engineering Organizations (AFEO) 21st Mid Term Governing Board Meeting was conducted at The TROVE Hotel, Johor Bahru. The meeting was hosted by IEM (Southern Branch) and supported by Johor State Government.
25/08/2022	Welcome Reception Dinner was held in Conjunction with ASEAN Federation of Engineering Organizations (AFEO) 21 st Mid Term Governing Board Meeting at Kompleks Warisan Sultan Abu Bakar, Yayasan Warisan Johor.
26/08/2022	Industrial Visit to UniKL and UiTM Solar Park II, Pasir Gudang, Johor was organised by YES IEM (Southern Branch) in conjunction with the ASEAN Federation of Engineering Organizations (AFEO) 21 st Mid Term Governing Board Meeting.
27/08/2022	A One-Day Seminar on “Geotechnical Engineering” was organized by IEM Training Academy in collaboration with IEM (Southern Branch) at The TROVE Hotel, Johor Bahru.
27/08/2022	IEM (Southern Branch) Annual Dinner and Awards Night 2022 was held at The Trove Hotel, Johor Bahru.
29/08/2022	Courtesy Visit to Datuk Bandar of Majlis Bandaraya Johor Bahru, Y.Bhg. Dato' Hj. Mohd Noorazam bin Dato' Hj. Osman with the Chairman's/President of Johor State Professional Organization.

06/09/2022	A One Day Seminar on “How to Implement BIM in JKR’s Projects - Pelaksanaan BIM Dalam Projek Kerajaan” organized by CP Development and co-organized with IEM (Southern Branch) at Kompleks JKR Johor 2, JKR Johor.
06/09/2022	Participated in the Hi-Tea Session and Discussion organized by Pertubuhan Akitek Malaysia Southern Chapter. IEM (Southern Branch) represented by IEM (Southern Branch) Vice Chairman, Ir. David Puen Ming Shen.
11/09/2022	IEM-UTM Student Section 23rd Annual General Meeting was conducted by virtual.
23/09/2022 27/09/2022	IEM-UTM Student Section Committee Recruitment was conducted via Social Media & Google Meet Platform.
10/10/2022	Minggu Mesra Mahasiswa (MMM) was organized by IEM-UTM Student Section at UTM Skudai, Johor.
19/10/2022	Gotong-Royong was organized by IEM-UTM Student Section at M40, UTM Skudai, Johor.
20/10/2022 22/10/2022	UNBOCS & IEM-UTM Student Section Membership Recruitment-drive was held at Dewan Sultan Iskandar & M40, UTM, Skudai.
20/10/2022	IEM-UTM Student Section Executive Committee Member Recruitment was held at UTM, Skudai, Johor.
21/10/2022	IEM-UTHM Student Section Membership Recruitment-drive was held at Dewan Terbuka UTHM
22/10/2022	Professional Interview – Outcome-Based Competence Assessment (OBCA) Workshop: “Route to Become M.I.E.M and Professional Engineers” was conducted by IEM (Southern Branch) at IEM (Southern Branch) Training Centre, Johor Bahru.
22.10.2022	Participated in the University of Southampton Malaysia (UoSM) IET Reconnect for Malaysia Southern Region at the Renaissance Hotel, Johor Bahru Hotel. IEM (Southern Branch) represented by IEM (Southern Branch) Vice Chairman, Ir. David Puen Ming Shen.
27/10/2022 29/10/2022	YES National Summit 2022. Five representatives from YES IEM (Southern Branch) and 2 participants representatives from IEM-UTM Student Section participated in National Summit 2022, held at Kota Kinabalu, Sabah.
29/10/2022	Webinar: Talk on "Roadshow IEM Branch on Energy Manager Training Course" was organized by IEM Training Academy in collaboration with IEM (Southern Branch) via Zoom Platform.
02/11/2022	IEM (Southern Branch) Deepavali Open House 2022 was held at The Ponderosa Golf & Country Resort.
10/11/2022	A Half-Day Technical Visit to Bahru Stainless Sdn. Bhd. at Tanjung Langsat, Johor.
12/11/2022	A One Day IEM Outcome-Based Competence Assessment (OBCA) Professional Interview Training and Certification Refresher Workshop for Interviewers was conducted at IEM (Southern Branch) Training Centre.
12/11/2022	Webinar: Talk on “Bridge Modelling, Analysis and Design of Prestressed Concrete Bridges” was organized by YES IEM (Southern Branch) in conjunction with the 8 th AGM of YES IEM (Southern Branch) via Zoom Platform.
12/11/2022	The 8th AGM of YES IEM (Southern Branch) was conducted via Zoom Platform.
12/11/2022	Beach Heroes organized by IEM-UTM Student Section at Pantai Tanjung Lompat Desaru, Johor.
12/11/2022	IEM Virtual Talk on “Introduction to IEM” for IEM-UTM Student Section via Facebook Live.
18/11/2022	IEM-UTM Student Section Executive Committee Onboarding Session via Zoom Platform.
18/11/2022	Career Talk and Resume Writing Workshop was conducted by IEM-UTHM Student Section via Zoom Platform.
29/11/2022	IEM Talk on “Introduction to IEM” for 1 st Year Petroleum, Nuclear, Gas and Bioprocess Engineering Student at Faculty of Chemical and Energy Engineering, UTM, Skudai.
29/11/2022	IEM Talk on “The Role of BEM and IEM” for 1 st Year BioMedical Engineering Students at Faculty of Bio Medical Engineering, UTM, Skudai.
01/12/2022	“Sembang Santai Bersama Lembaga Jurutera Malaysia - Peranan Dan Tugas Lembaga Jurutera Malaysia” organized by IEM-UTHM Student Section was held at UTHM Auditorium Al-Jazari Tunku Tun Aminah Library and Youtube Live (UTHMTv).

02/12/2022 08/12/2022	FESTKON Photography Contest UTHM 2022 was organized by IEM-UTHM Student Section at Padang Kawad UTHM.
03/12/2022	A One-Day Seminar On “Electrical Power Supply Application, Green Energy & Testing Compliance” organized by IEM (Southern Branch) in collaboration with TNB, Johor at The Grand Paragon Hotel, Johor Bahru.
30/12/2022	Talk on “Route to be M.I.E.M and Professional Engineer” in conjunction with Seminar Kejuruteraan Awam (SEMKA) Program Perdana Semester 1, Session 2022/2023 at Faculty of Civil Engineering, UTM, Skudai.

16.3 Sabah Branch

16.3.1 A total of ten (10) Executive Committee meetings were held during the session. Numerous afternoon and evening meetings involving key office bearers were also held to resolve urgent matters from time to time.

Ir. Chin Tet Fu @ Willy was elected as Branch Chairman for the session 2022/2023. This was announced during the Branch's 47th Annual General Meeting on 30 April 2022. Total membership stood at 1,985 as at January 2023.

16.3.2 During the session 2022/2023, two (2) courtesy calls were made to government agencies, Ministries, and other professional bodies and three (3) networking visits were received:

- Courtesy call on Y.A.B Datuk Seri Panglima Haji Hajiji Haji Noor, the Chief Minister of Sabah on 23 June 2022.
- Courtesy call on Deputy Minister of Works, Y.Bhg. Datuk Arthur Kurup on 1 July 2022.
- Networking visit from Persatuan Arkitek Malaysia (Sabah Chapter) on 19 August 2022
- Networking visit from Sabah Economic Development and Investment Authority (SEDIA) on 22 August 2022
- Networking visit from Kesatuan Jurutera Jurutera SESB on 22 November 2022.

16.3.3 The Sub Committee reported that a total of 45 Professional Interview applications were processed. These consisted of 10 from civil, 12 from mechanical, and 23 from electrical. To date, 7 applications are still in progress, 38 completed cases are referred to HQ and no outstanding cases.

16.3.4 Mr. Jackson Wong Siaw Jye serving as the YES Chairman for session 2021/2023 from August 2021. The YES has been active throughout the session by undertaking noble and meaningful activities. Among the activities completed during the session were:

- Student Membership Drive at Universiti Malaysia Sabah on 21 May 2022
- Courtesy Visit to Jesselton Twin Towers on 6 August 2022
- Participating in Futsal Tournament for IPBG 2022 on 6 August 2022
- IEM Young Engineers National Summit Sabah 2022 (NATSUM 2022) from 27 to 30 October 2022. Among activities undertaken were:
 - Site Visit to NUTRI-BAH
 - Technical Visit to Jesselton Twin Towers
 - Team Building at ZIP Borneo
- Participating in Football Tournament for IPBG 2022 on 27 November 2022
- NATSUM: Post-mortem Meeting at Kundasang from 10 to 11 December 2022
- Christmas Gift Exchange Party on 11 December 2022

16.3.5 After being postponed since 2020 due to the pandemic, the 14th Inter Professional Bodies Games (IPBG) was finally organized in 2022 with Sabah Law Society (SLS) being the Organizing Committee. 11 games were successfully executed while the last one which is the 7KM run will be organized soon.

- | | |
|--|---|
| <ul style="list-style-type: none"> • Futsal – 1st Runner Up • Volleyball – Champion • Bowling – Champion • Badminton – 1st Runner Up • Table Tennis – 1st Runner Up • Football – Champion | <ul style="list-style-type: none"> • Basketball – 1st Runner Up • Darts – 1st Runner Up • Pool - 2nd Runner Up • Golf – Champion • E-Sports – Champion • 7KM Run (coming soon) |
|--|---|

Overall Standings IPBG 2022 (December 2022)

- | | |
|-------------|--------------|
| 1. IEM (80) | 5. MMA (41) |
| 2. MIA (54) | 6. SLS (37) |
| 3. SPS (44) | 7. RISM (32) |
| 4. PAM (42) | |

Based on the games' charts, IEM Sabah is now leading with the highest accumulated points from the completed games.

16.3.6 During the session, the Seminar and Trainings Sub Committee had also collaborated with other organisations in organising various courses, workshops, and online talks.

16.3.7 Activities undertaken by the UMS liaison Sub Committee included:

- Being one of the co-organisers of the UMS 2nd International Conference on Civil Engineering and Construction Technology 2022 (ICECon2022) on 14 to 15 December 2022.

16.3.8 IEM Sabah Gala Dinner 2022 was held on 24 August 2022 at the Ballroom, Shangri-la Tanjung Aru Resort & Spa, Kota Kinabalu. A total of 40 tables were sold. The theme was "Build Back Wiser, Engineering the Future". The guest of honour was YAB Datuk Seri Panglima Haji Hajiji bin Haji Noor, the Chief Minister of Sabah, represented by Y.Bhg. Datuk Seri Panglima Dr. Joachim Gunsalam, Deputy Chief Minister cum Minister of Industrial Development Sabah.

The Branch also collaborated with Sabah Engineering Association (SEA) and ACEM Sabah to jointly organise an IEM Sabah / SEA / ACEM Sabah Chinese New Year Gathering & Lion Dance Performance on 4 February 2023 at IEM Sabah premises, attended by members and their families.

16.3.9 The building at KKIP continue to be occupied by TAS Oil & Gas as a training centre. Additional 2 storey classroom block and basic offshore safety induction training facilities were built by the tenant at their own cost.

16.3.10 Among the activities undertaken by the Women Engineers (WE) were:

- WE at Summit of Mount Kinabalu on 29 December 2021
- Half Day Talk on "ACMV Chilled Water Control System" on 1 April 2022
- WE Buka Puasa on 25 April 2022
- Courtesy Visit to Sabah State Water Department on 27 June 2022
- Toastmaster Demo on 8 July 2022
- IEM Membership Drives & Route to Professional Interview (PI), in collaboration with Kesatuan Jurutera-Jurutera SESB on 18 August 2022
- Being part of IEM Sabah Gala Dinner 2022 organising committee, assisting in securing sponsors, lucky draws and being usherettes during the dinner
- IEM Membership Drives & Route to Professional Engineers 2.0 on 4 November 2022
- Kejohanan Tenpin Boling Trios Jurutera Wanita Tertutup on 18 December 2022

16.3.11 IEM Sabah had participated in numerous meetings and events with governmental and non-governmental organizations. These meetings are intended to assist in the development of the State, which will be able to ensure engineers and the engineering profession plays an important role in nation building. Among the meetings and events included:

DBKK

- Traffic Technical Committee Meeting
- Mesyuarat Jawatankuasa Perancangan Bandaraya
- Mesyuarat Sub-Committee Sempena Festival Kesenian dan Kebudayaan Islam Bandaraya (KK-I FEST) 2023
- Mesyuarat Teknikal Membincangkan Laporan Penilaian Integriti Struktur Bangunan Blok C & D Rumah Flat Taman Nelly, Inanam

Majlis Daerah Penampang

- Bengkel Penambahbaikan Draf Skim Perancangan Daerah Penampang

JKR Sabah

- Discussion on organizing of the Half-Day Short Course on “Design & Construction of Road on Soft Ground & Case Study

Ministry of Local Government & Housing (MLGH)

- Bengkel Pemurnian Enakmen Pemajuan Perumahan (Kawalan Dan Pelesenan Pemaju-Pemaju) 1978 dan Pengemaskinian Building Management Bill
- Mesyuarat Perbincangan Undang-Undang Kecil Seragam Earthworks By-Laws 2022

Sabah Electricity Sdn Bhd (SESB)

- Majlis Perasmian SESB HSE Symposium 2022

Sabah Professional Council

- Meeting on setting up the line-up and portfolios. The council members are consisting of representatives from various professional bodies in Sabah

Jabatan Perkhidmatan Pembetungan Sabah (JPPS)

- Khidmat Fasilitator Bersama MPC & JPP Sabah - Jemputan Bengkel Stakeholder Mapping bagi Penyediaan Regulatory Impact Statement (RIS) bagi Deraf Sewerage Services Fat, Oil & Grease (FOG) Regulation

Jabatan Pengangkutan Jalan Raya Malaysia

- Dialogue on Program Ujian Penimbangan Lori Tipper Dumper (Pelbagai Muatan) Zon Sabah with JPJ Malaysia

The Institution of Engineers, Malaysia (IEM HQ)

- Meeting on IEM Guideline on The Prevention and Control Dengue
- ETSC Speakers' Training for Engineering Technologist & Engineering Technician
- Virtual Workshop: Introduction to IEM's Engineering Technologist & Engineering Technician Membership
- Engineering Technologist Competency Assessment (TCA) & Engineering Technician Competency Assessment (TnA) Virtual Interviewer Refresher Session
- Short Discussion with IEM Branches on Outcome Based Professional Interview (PI)
- 471st Meeting of Standing Committee on Professional Practice (PPC)
- IEM PPC Feedback on the Consultancy Services for The Development of Malaysian Sewerage Industry Guidelines (MSIG) Vol 1: Planning Principals and Tools for Suruhanjaya Perkhidmatan Air Negara (SPAN)

16.4 Sarawak Branch

- 16.4.1 A total of six (6) Branch Committee Meetings were held during the session. The Branch had its 53rd Annual General Meeting on 26th February 2022 via Zoom. A total of 204 corporate members attended the meeting. Please refer to the Appendix for meeting frequency records and attendance.

The membership of the Branch for year 2022 was 3,459 with 37 Fellows, 5 Senior Members, 784 Members, 19 Senior Graduate Members, 604 Graduate Members, 1 Engineering Technologist Graduate Member, 5 Incorporated Members, 4 Associate Members and 2,000 Student Members.

- 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:

21/01/2022	Technical Talk on ASTM Standard for Geosynthetic Cementitious Composite Mat (GCCM) presented by Mr. Michael Chong
26/02/2022	IEM Sarawak Branch 53rd AGM & Technical Talk on Project Cost Management: How to Plan & Execute Your Project Budget Effectively? The talk was presented by Ir. Dr. Mui Kai Yin
22/03/2022	SUTS-IEM Hybrid Evening Talk: “Applications of Cold-Formed Steel in Construction Industry” presented by Ir. Prof. Dr. Lau Hieng Ho
11/04/2022 14/04/2022	Project Management Certification Course: PMP® Boot Camp & Exam presented by Ir. Dr. Mui Kai Yin

20/04/2022	1-Day Live Online Course on Time Planning and Delay Management in Schedule The speakers were Ir. Dr. Ting Sim Nee and Dr. Lee Yee Yong
23/04/2022	Seminar on "Concremote & Formwork and Load Bearing System" The speakers were Mr. Maher Sarah and Mr. Cayden Tan
19/05/2022	Installation & Detailing Guide for Metal Decking Solutions: A Look Into Fundamental Clauses of AS 1562 & HB39 Against Good Industry Practices The speakers were Mr. Ng Cheah Haur & Ms. Jennie Chong
24/06/2022	Online Seminar on "The Impact of Industrial IoT on Business Operations and the Measurement Mechanism" by Mr. Daniel Yap
25/06/2022	1-Day Seminar on Proven Solutions to Complex Geotechnical and Engineering Challenges. The speakers were Dr. Ing. Philipp Schober, Ir. Au Yong Yoke Lin, Mr. Vijayakumar Viramuthu
29/06/2022	Live Online Seminar on Checklist for Roadworks Construction by Ir. Tan Seong Lim
02/07/2022	Seminar on Safety Management in Construction Industry – HSE Management Enhancement Program in CSTR by Mr. Ignatius Nyaleng Simon Jalin
25/07/2022 28/07/2022	Project Management Certification Course: PMP® Boot Camp & Exam by Ir. Dr. Mui Kai Yin
03/08/2022	Online Seminar on Helical Piles – A Quick & No Vibration Installation Versatile Piling System by Ir. Kho Sek Gay
24/08/2022 25/08/2022	2-Day Course on Non-Completion & Damages (LAD) In Construction Contracts - An Overview by Sr. Jaspal Singh a/l Nachatar Singh
03/09/2022	Technical Visit to KKB Engineering Berhad Fabrication Yard
23/09/2022	Seminar on Project Management Best Practice Framework by Ir. Vincent Tang Chok Khing.
26/09/2022	Seminar & Commentary on the JKR Standard Specifications for Building Works, 2020 SECTION D CONCRETING. The speakers were Dr. Daniel Looi and Ir. Tu Yong Eng
01/11/2022	Seminar on Project Management Best Practice Framework – SIBU REGION by Ir. Vincent Tang Chok Khing
16/12/2022	One-Day Seminar on "How the Advent of New Storm Data Affects the Design of Drainage Structures including On-Site Detention (OSD) and the Application of Software for Impact Assessment?" by Ir. Dr. Quek Keng Hong

16.4.3 During the session, the Branch has recorded a total of 35 candidates who have sat for their Professional Interviews. 8 candidates have yet to sit for their interviews and no case was returned.

16.5 Perak Branch

16.5.1 Y.Bhg. Dato' Sri' Ir. Ts. Dr. Liew Mun Hon was elected Branch Chairman for session 2022/2023. As at January 2023, the membership of the Branch was 2,880 with 2 Honorary Fellows, 23 Fellows, 2 Senior Members, 413 Members, 473 Graduate Members, 14 Senior Graduate Members, 9 Incorporated Members, 1 Associate Member, 2 Affiliate Members, 3 Engineering Technician Graduate Members and 1,938 Student Members..

During the session 2021/2022, eleven (11/10) monthly committee meetings were held to look into the management and activities of the Branch.

16.5.2 Activities organized during the session were as follows:

14/02.2022	Route to be PE for LAP The talk delivered by Ir. Mohd Nasharuddin Hashim was held at Impiana Hotel.
17/02/2022	Route to be PE for JPS The talk was done at Bilik Mesyuarat Jabatan Pengairan Saliran. The speaker was Ir. Dr. Md. Azlin Md. Said and Ir. Mohd Nasharuddin Hashim
12/03/2022	37th Annual General Meeting. Held at IEM Perak Building, Jalan Lapangan Siber 1, Bandar Cyber with 28 attendees.
06/04/2022	Courtesy Visit to Y.Bhg. Dato' Nolee Ashilin Mohamed Radzi attended by 16 IEM Perak committee members.

21/04/2022	Courtesy visit to Pengarah Jabatan Kerja Raya HQ (Bahagian Kementerian Pendidikan) for PI Enhanced workshop.
22/04/2022	Main committee & YES gathering for photo shoot and buka puasa at Tower Regency Hotel, Ipoh. 28 committee & YES attended.
28/05/2022	Engineering Dialogue session with secondary school student in UTAR Kampar Campus. Speaker was Ir. Dr. Leong Kah Hon.
11/06/2022 12/06/2022	IEM Student Chapter organizing IEM UTP EXPO 2022 – Building the Future through Professional Engineering.
19/07/2022	Half-day seminar on Protection Relay Calibration Intervals and Domestic Electrical Installation Compliance to Energy Commission Requirement under Suruhanjaya Tenaga Perak. Speaker was Ir. Dr. Chan Seong Phun.
24/09/2022	Technical Visit to Alam Con Simpang Pulai.
22/11/2022	Networking session between Politeknik Ungku Omar & UTAR IEM Student Section held in UTAR Kampar Campus. The Speaker was Ir. Dr. Leong Kah Hon.

16.5.3 There were (20) candidates assigned to the Branch for their Professional Interview (PI).

16.6 Melaka Branch

16.6.1 Ir. Ong Yee Pinn was elected as Chairman of the Branch at the 35th Annual General Meeting of the Branch held at King's Green Hotel. The Branch membership was noted at 1,424 comprising 9 Fellows, 2 Senior Members, 179 Members, 10 Senior Graduate Members, 195 Graduate Members, 1 Incorporated Member, 2 Engineering Technologist Graduate Members and 1,026 Student Members.

16.6.2 The activities of the Branch during the last session are listed as follows:

12/03/2022	Pre-AGM Talk on ACSPN IAQ Solutions 27 participants attended the talk by Ts. Devendran Many.
28/05/2022	Webinar on Sustainable Product Design Case Study – Electric Car 10 participants attended the webinar conducted by Ir. Dr. Oh Seong Por.
18/06/2022	Seminar on Chint Electrical Solutions and Technical 2022 20 participants attended the seminar conducted by Ir. Lim Say Leong.
18/06/2022	Seminar on Achieving Energy Savings in Building HVAC Systems 41 participants attended the seminar conducted by Mr. Alvin Chan Hou Yin.
15/07/2022	Technical Visit to ARCHWAY. 12 participants attended the visit.
27/07/2022 28/07/2022	Workshop Engineering in Heritage Building Conservation 5 participants attended the workshop conducted by Ir. Ong Yee Pinn and Ir. Sh. Ja'afar bin Sh. Ismail.
09/08/2022	Technical Visit to HRSB Holdings Sdn Bhd. 7 participants attended the visit.
13/08/2022	Seminar on Indoor Air Quality and High Volume Low Speed Fan & Ventilator 65 participants attended this seminar conducted by Ir. Ts. Ronnie Neo Hai Fun and Mr. Damien Kheng.
17/08/2022	Dialogue with Syarikat Air Melaka Berhad 33 members participated in the Dialogue with Ts. Muhammad Siraj bin Md. Jaffar.
10/09/2022	Seminar on IoT, WIFI and Video Conferencing Systems 41 participants attended the half day seminar conducted by Mr. Nicholas Saw Zhe We and Mr. Goh Tze Ping.
12/09/2022	Webinar on Forensic Engineering 15 participants attended this 2-hour webinar conducted by Ir. Tajul Ariffin bin Mohammad Noris.
24/09/2022	Seminar on Requirements, Specifications & Selections Guide for Circuit Breakers, RCD & SPD 55 participants attended this seminar conducted by Mr. Mazliazhar bin Abdul Latif and Mr. Muhammad Syarifuddin bin Rahmat.
01/10/2022	Seminar on Innovation Air-conditioning with PANASONIC 48 participants attended this seminar conducted by Mr. Wang Hong Boon.
15/10/2022	Seminar on Installations, Application & Future Impact of Hydrofluorocarbon (HFC), Carbon Dioxide (CO2) & Addressable Fire Alarm System 41 participants attended the seminar conducted by Ir. Yim Hon Wa.

26/10/2022	Technical Visit and Dialogue with IWK Unit Office Melaka 19 members participated in this dialogue and visit. The dialogue was led by Mr. Abdul Azeem Nissar bin Abdul Majeed.
29/10/2022	Webinar on Energy Manager Training 2 9 participants attended the webinar conducted by Ir. Chong Chew Fan.
26/11/2022	Seminar on Application of Earthing, Lighting/Surge Protection in Malaysia 46 participants attended the seminar conducted by Mr. Chan Chin Loon.
26/11/2022 27/11/2022	11th International Conference on Global Optimization and its Application 2022 IEM Melaka was represented by 3 members.

16.7 Negeri Sembilan Branch

16.7.1 The last Branch Annual General Meeting (AGM) was held in hybrid mode via MS. Teams and also physically at the IEMNS seminar room. The next AGM will be held on 23 September 2023 at IEMNS office, 77-A-1 Lorong Haruan 5/3, Oakland Commerce Square, Seremban, Negeri Sembilan Darul Khusus.

Ir. Shahrin Amri bin Jahari was elected as Chairman for session 2022/2023.

16.7.2 The Branch membership was noted at 1,926. There are 13 Fellows, 3 Honorary Members, 303 Members, 21 Senior Graduate Members, 319 Graduate Members, 3 Engineering Technologist Graduate Members, 1 Engineering Technician Graduate Member, 2 Incorporated Members, 1 Associate Member and 1,260 Student Members.

16.7.3 The Branch activities for the session are listed below:

19/01/2022	YES IEMNS Online Dialogue Membership Drive 77 students participated in the dialogue led by Ir. Chong Chee Yen, Ir. Dr. Oh Seong Por, Mr. Muhamad Hillman Rao Abdullah and Ir. Mohamad Firdaus Zainal.
21/05/2022	Rumah Terbuka Aidilfitri IEMNS Branch 50 members attended the get-together at IEMNS Branch Seminar room.
28/05/2022	Webinar on Success Factors for Sustainable Product Design Case Study – Electric Car. 17 participants attended the webinar conducted by Ir. Dr. Oh Seong Por.
08/06/2022	Meeting With Menteri Besar Negeri Sembilan - YAB Dato' Seri Hj. Aminuddin Harun Ir. Chong Chee Yen, Ir. Dr. Oh Seong Por & Ir. Shahrin Amri attended this meeting.
17/06/2022	Courtesy Visit To Pengarah JKR NS – Ir. Wan Hasnan Ir. Chong Chee Yen, Ir. Dr. Oh Seong Por, Ir. Shahrin Amri & Ir. Azizi Ahamad attended this visit.
17/06/2022	Webinar Talk To Polytechnic Port Dickson Student Title: Attaining Manufacturing Excellence Through Basic QC Tools & Method Delivered by Ir. Dr. Oh Seong Por with around 16 participants.
06/07/2022	Courtesy Visit To Pengarah JPS NS – Ir. Saari Abdullah Ir. Chong Chee Yen and Ir. Chee Shai Choon attending this visit.
06/08/2022	IEMNS Annual Dinner, Award & Appreciation Night 2022 Theme: Engineer's Engagement In The Recovery of the Economy Guests included Datuk Bandar Seremban, Dato' Masri Hj. Razali, ADUN Y.Bhg. Teo Kok Seong, Pengarah JKRNS, Ir. Wan Hasnan, Pengarah JPSNS, Ir. Saari Abdullah, Pengarah Syarikat Air NS, Ir. Hj. Yazid Ahmad, IEM President, Ir. Prof. Dr. Norlida Buniyamin, IEM Immediate Past President, Ir. Ong Ching Loon, IEM Hon. Sec. Ir. Prof. Dr. Zuhaina, IEM Deputy President, Ir. Prof. Dr. Jeffrey Chiang.
15/08/2022	Courtesy Visit to Pengarah Syarikat Air NS (SAINS) – Ir. Hj. Yazid Ahmad Ir. Chong Chee Yen, Ir. Dr. Oh Seong Por, Ir. Mohamad Firdaus Zainal & Ir. Azizi Ahamad attended this visit.
17/08/2022	Invitation Courtesy Visit To Syarikat Air Melaka By IEM Melaka Branch Ir. Chong Chee Yen & Ir. Chee Shai Choon attended this visit.
24/09/2022	29th IEMNS Annual General Meeting A total of 78 members (physical & virtual) including the External Auditor fr TKNP PLT, attended this event. The President of IEM, Ir. Prof. Dr. Norlida, grazed the event via video presentation.
21/10/2022	Courtesy Visit to Datuk Bandar Majlis Bandaraya Seremban, Y.Bhg. Dato Masri.

27/10/2022	Technical Visit to Industrial Concrete Products 11 participants attended this closed visit.
29/10/2022	Webinar On Introduction & Path to Become Registered Electrical Energy Manager (REEM) In collaboration with IEMTA, Melaka, Negeri Sembilan, and Johor Branch, the webinar was delivered by Ir. Chong Chew Fan with more than 55 participants.

16.7.4 *Contribution to IEM Jurutera*

Immediate Past Chairman of the Branch, Ir. Dr. Oh Seong Por had contributed 13 articles to the IEM Jurutera in the Feature, Engineers Lens, Engineers Adventure and News from Branch columns.

16.7.5 *Professional Interviews*

There were 51 candidates assigned to the IEM NS Branch for their Professional Interview (PI) with details as follows:

No.	Discipline	Pass	Fail	Pending Interview	Pending Result	Total
1.	Civil	17	3	4	2	26
2.	Electrical	3	4	2	2	11
3.	Electronic	1	1	0	0	2
4.	Mechanical	9	0	2	0	11
5.	Mechatronic	0	0	1	0	1
Total Candidate(s)		30	8	9	4	51

16.8 **Miri Branch**

16.8.1 Ir. Chong Boon Hui was elected as the first woman Chairman of the Branch. Her chairmanship will be for session 2022/2023. The members stood at 341 numbers in total as of February 2022. The members included 1 Associate, 1 Engineering Technologist Graduate, 15 Fellows, 124 Graduates, 1 Honorary Member, 71 Members, 5 Senior and 123 Students. 12 committee meetings were held in session 2022 - 2023 to manage the affairs of the Branch in accordance to the IEM Miri Branch Rules.

16.8.2 The IEM Miri Branch's email address remains as iem.miri@gmail.com and the website is www.iem-miri.org.my. The IEM Miri website is maintained and regularly updated. Our Facebook social media page, namely "The Institution of Engineers, Malaysia, Miri Branch" has been set up since 2015. Our Branch Office is contactable via fixed line at 085-423718 and mobile number at 012-8093718.

For this session, a total of 50 post were publish in IEM Miri Branch's website in order to enable the branch members to obtain timely updates on the new online talks/seminars available organised by HQ or other branches as well as other institutions. The statistic shows the IEM Miri Branch website has a total view of 21.6k views during this session.

16.8.3 Six (6) Professional Interview Candidates were received in year 2022. Three (3) are from Mechanical Engineering Discipline and three (3) from Civil Engineering Discipline.

Total of Five (5) PI Candidates were interviewed in 2022 for admission as Corporate Member of the Institution. Three (3) from Mechanical Engineering Discipline and Two (2) from Civil Engineering Discipline.

16.8.4 Two (2) technical visits were conducted this session where the members visited the Sarawak BioValley Pilot Plant and Totara Aquaculture Farm.

One (1) Workshop was conducted this session namely "Your Next Step to Corporate Membership and Professional Engineer".

16.8.5 Four (4) courtesy visits were conducted this session. The IEM Miri Branch successfully paid a courtesy visit to Jabatan Kerja Raya (JKR) Northern Region, Sarawak Gas Distribution Sdn. Bhd., Curtin University Malaysia, and Miri City Mayor, Mr. Adam Yii.

16.8.6 The Branch organized the following activities for the session 2022:

08/06/2022	Seminar on Digital Earth for Sarawak Sustainable Development at Curtin University.
20/06/2022	Immediate Past Chairman, Ir. Sean Wong, Hon Secretary Ir. William & Vice-Chairman II Ir. Tian Fung Wang represented IEM Miri as Examiners in the Solar PV Capstone project presentation & Examination 2022 organised by Curtin University Malaysia.
25/06/2022	Professional Engineer Workshop at IEM Miri Training Room
22/07/2022	Branch Committee's courtesy visit to HQ cum dialogue with IEM President and Excomm members.
23/08/2022	Courtesy Visit cum hand over of Biennial Dinner invitation letter to Mayor Adam Yii.
06/09/2022	Technical Visit To Sarawak Biovalley Pilot Plant.
19/09/2022	Courtesy Visit to PUJA Brunei cum attend AER roadshow. Attended by Ir. Chong Boon Hui and Immediate Past Chairman, Ir. Sean Wong.
10/10/2022	Branch Committee, YES and Student Section dinner gathering at Gloria Hotel Miri.
28/10/2022	Technical Visit to Aquaculture Farm.
27/10/2022 I 30/10/2022	YES Miri attended National Summit 2022 at Kota Kinabalu Sabah.
31/10/2022	Handover fire extinguisher to Bomba Miri.
26/11/2022	IEM Miri Biennial dinner 2022 at Grand Palace Hotel Miri.

16.9 Kedah/Perlis Branch

16.9.1 Ir. Roshasmawi bin Abdul Wahab chaired the Branch Committee for session 2022/2023. Membership of the Branch for the session is 2,727 comprising 9 Fellows, 302 Members, 306 Graduate Members, 13 Senior Graduate Members, 5 Incorporated Members and 2,092 Student Members.

16.9.2 *Activities and Projects*

The Branch organized the following activities for the session 2022:

30/06/2022	Talk Session: Use of Non Standard Customised Precast Concrete Technology for Malaysian Infrastructure and Transportation Industry Speaker Mr. Mehdi Maghfouri and Mr. Lee Hui Seng. Attended by 94 participants.
25/08/2022	Talk Session: BIM Contractor Modelling for Conventional Buildings Speaker Ts. Dr. Zul-Atfi bin Ismail and attended by 74 participants.
20/10/2022	IEM ASEAN Engineering Register (AER) Roadshow to Branches This session was held at MADA Rice Training Centre, Alor Setar, Kedah with 22 participants.
21/11/2022	Talk Session: Introduction of Geosynthetic Cementitious Composite Mat (GCCM) Speaker Mr. Michael Chong and attended by 91 participants.
29/01/2023	Technical Visit to Kedah Jeniang Water Transfer Scheme Project, Phase 1 – Ampang Jajar and Muka Sauk This programme was held at Muka Sauk in Sungai Muda, Sik Kedah with 44 participants.

16.10 Terengganu Branch

16.10.1 Dato' Ir. Wan Nazari bin Wan Jusoh was re-elected as Chairman for session 2022/2023. Membership of the Branch for the session was 1,318 comprising 6 Fellows, 1 Senior Member, 147 Members, 11 Senior Graduate Members, 100 Graduate Members, 1 Engineering Technologist Graduate Member, 1 Incorporated Member and 1,051 Student Members.

16.10.2 Activities organized by the Branch during the last session are listed below:

17/03/2022	Dialogue with IEM Women Engineers Section. WE members from HQ were Ir. Ts Noorfaizah binti Hamzah (Chairman WE HQ), Ir. Melaty binti Ghazali (Vice Chairman II WE HQ), Ir. Raftah binti Mahfar, Ir. Sharifah Azlina binti Raja Kamal Pasmah, dan Ir. Yap Wai Leng. IEM WE Terengganu were represented by Ir. Nina Imelda binti Mohammad Sulanah (WE rep IEM Terengganu), Ir. Emiliawati binti Mat Lazim (Hon. Sec. IEM Terengganu), PM Ir. Dr. Zulzilawati binti Jusoh (Committee member IEM Terengganu), Ir. Noliah binti Abu Yamin, Ir. Siti Aishah binti Mat Yaacob, Pn. Nuurdianty binti Ismail, Cik Rumizi binti M. Nasir, Pn. Nadia Asyikin binti Kassim dan Pn. Nurul Uyun binti Ahmad.
19/04/2022	Annual General Meeting IEM Terengganu Branch
03/08/2022	Webinar on Challenges In Water Supply Service Supply The webinar was delivered by Dr. Azra Munirah binti Mat Daud. 52 participants attended the webinar.
30/09/2022	Tenpin Bowling Competition 20 teams participated in the competition.
18/01/2023 19/01/2023	Talk "Introduction To IEM" The two talks conducted at UiTM Dungun and UiTM Bukit Besi were conducted by Ir. Mazlan bin Che Ku Ahmad, Ir. Zakaria bin Abdullah, Ir. Mohd Jailani bin Harun and En. Wan Muhammad Adib bin Wan Zuraidi.

16.11 Kelantan Branch

16.11.1 Ir. Nik Abd. Hadi bin Hassan took over as Chairman of the Branch for Session 2022/2023. The membership of the Branch is currently 1,654 members comprising 5 Fellows, 2 Senior Members, 128 Members, 3 Senior Graduate Members, 85 Graduate Members, 3 Engineering Technologist Graduate Members, 1 Incorporated Member and 1,427 Student Members.

16.11.2 The following activities were held during the 2022 session:

26/03/2022	10th AGM. The 10 th AGM was conducted in Hadramawt Town Restaurant, Kota Bharu Hall and it was officiated by the Y.Bhg. Dato' Seri Ir. Haji Mohamad Zulkefly bin Sulaiman, Director General of Public Works Department Malaysia. This AGM was attended by 34 members.
09/04/2022	Course on: Water Security of Malaysia: Where we are? 34 participants attended the course.
21/06/2022	Courtesy Visit to CEO of Kelantan SEDC 4 Committee members from IEM Kelantan joined the visit.
24/07/2022	Course On: OSH (Amendment) Act 2022 (Act A1648) Versus OSHA 1994 (Act 514) : Are We Ready? 24 participants attended the course.
08/08/2022	Technical Visit to Kota Bharu to Kuala Krai (KBKK) Expressway Package 2C & 3A 34 participants attended the technical visit.
28/08/2022	Course on: Checking Project CPM (Critical Path Method) Progress with Microsoft Project 2010 31 participants attended the course.
18/09/2022	Course on: Understanding the Standard Form Contract PWD203A/203 21 participants attended the course.
18/10/2022	Seminar on: Pelaksanaan BIM dalam Projek Kerajaan "How to Implement BIM in JKR's Projects" 54 participants attended the seminar.
27/10/2022	Technical Visit to Projek Penstabilan Tebing Sungai Kelantan di Kampung Pohon Celagi, Pasir Mas, Kelantan Darul Naim. 39 participants took part in the visit.
30/10/2022	Technical Visit to Tapak Projek Pembesaran Dan Menaiktaraf Lapangan Terbang, Sultan Ismail Petra, Kota Bharu, Kelantan Secara Reka Dan Bina. 32 participants attended the visit.
31/10/2022	Talk on: Innovation on Air Conditioning System (Inverter Type, Gases R32, Modular Chiller and Precision Aircond) 12 participants attended the talk.
04/12/2022	Half Day Outcome Base Professional Interview Training Workshop 22 participants attended this workshop.

08/12/2022	Technical Visit to Tapak Projek Laluan Rel Pantai Timur (ECRL) 33 participants attended the visit.
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16.11.3 There were fourteen (14) candidates of PI/ PAE for the 2022/2023 session.

16.12 Pahang Branch

16.12.1 Ir. Ab. Rahman bin Hashim was elected as the Chairman for the session 2022/2023. Membership of the Branch is currently 1,629 comprising 5 Fellows, 1 Senior Member, 140 Members, 7 Senior Graduate Members, 188 Graduate Members, 3 Engineering Technologist Graduate Members, 2 Incorporated Members, 2 Affiliate Member, 2 Associate Members and 1,279 Student Members.

16.12.2 The following activities were held during the 2022/2023 session:

15/01/2022 16/01/2022	Talk on Advanced Python Machine Learning Workshop (Yes & Student Chapter) The talk was delivered by Dr. Chaw Jun Kit at UMP Gambang, Kuantan. It was attended by 35 participants.
22/01/2022	Talk on IEM Health & Wellness Webinar Series 7: Transforming Your Inner Critic into Your Inner Cheerleader The talk was delivered by Ms. Joy Hou at UMP Gambang, Kuantan. It was attended by 35 participants.
26/02/2022	10th Annual General Meeting (AGM) The 10 th AGM of IEM Pahang Branch was held at The Zenith Hotel, Kuantan and via online platform. It was attended by IEM Corporate Members, IEM Members and Young Engineer Section (YES).
09/03/2022 10/03/2022	2 Day Workshops on Ethics and Essay Writing for Engineers The workshop was delivered by Ir. Dr. Ruslan bin Hassan from IEM HQ at The Zenith Hotel, Kuantan. It was attended by 20 participants.
12/03/2022	Talk on Work Life Experience of an Electrical Engineer The talk was delivered by Ts. Ir. Vignaeswaran Shanmuganathan at UMP Gambang, Kuantan. It was attended by 25 participants.
09/04/2022	Talk on IEM Membership Drive The talk was delivered by Ir. Harzah Masni binti Ramli from UMP Gambang, Kuantan. It was attended by 35 participants.
11/05/2022	Talk on Day in a Life as an Operation Engineer Onshore & Offshore The talk was delivered by Mr. Nizam Mahsan at UMP Gambang, Kuantan. It was attended by 25 participants.
14/05/2022	Workshop on Arduino Beginners Exploration The workshop was delivered by Dr. Lim Kit Guan at UMP Gambang, Kuantan. It was attended by 25 participants.
04/06/2022	Site Visit 2 With IEM-UMP SS: Projek Pembentungan Kuantan (Collaboration With Jalur Cahaya Sdn Bhd) The technical visit was organized by IEM UMP Student Section and collaboration with Jabatan Perkhidmatan Perbentungan and Jalur Cahaya Sdn Bhd. It was held at Kuantan Central Sewerage System and was attended by 50 participants.
15/06/2022 16/06/2022	2-Day Course on "Erosion and Sediment Control Plan-ESCP For CPESC with MSMA2 Through Technology" The course was delivered by Ir. Chee Shai Choon at The Grand Darul Makmur Hotel, Kuantan. It was attended by 20 participants.
20/09/2022	Program Meja Bulat Bersama PKMS Pahang The Round Table Discussion was chaired by Pn. Nadia Yusof, Pengarah SME Corporation.
26/11/2022	OCBA Workshop: Route to Become MIEM and a Professional Engineer The workshop was delivered by Ir. Ng Yong Kong and Ir. Fam Yew Him at Perpustakaan Awam Pahang, Kuantan. It was attended by 30 participants.
10/12/2022	Pahang Engineer's Run 2022 The event was organized by IEM YES & Student Section and collaboration with ABC Events. It was attended by 500 participants. The guest of Honor was Y.Bhg. Ir. Razali bin Kassim.

16.13 Young Engineers Section

16.13.1 Mr. Muhammad Ashiq Marecan, Grad. I.E.M. was appointed as the Chairman of Young Engineers Section for session 2022/2023 in the 678th Committee Meeting held on 14 January 2023.

16.13.2 **Membership**

The membership of the Section now stands at 31,907 members as at 31 December 2021. The comparative figures for the last 5 years are as follows:

Grade	2019	2020	2021	2022
Graduate	9346	10010	8294	8179
Student	31240	31601	25138	27720
	40586	41611	33432	35899

16.13.3 **Activities**

The 52nd Annual General Meeting of the YES for session 2022/2023 was held on 25 June 2022 at Auditorium CFK, Wisma IEM at 9.00 am. A total of 45 members attended this meeting.

16.13.4 **Professional Development Portfolio**

Below is the list of webinar talks & virtual half-day workshop:

08/01/2022	Virtual Workshop - One Day Course on From Graduate to Professional Engineer
08/01/2022 09/01/2022	Virtual Course - 2 Day Course on Project Planning & Scheduling, including MS Project Software Practice
15/01/2022	Virtual Webinar - Webinar Talk on "Earth-Retaining Structure Engineering Design and Construction in Malaysia"
15/01/2022 16/01/2022	Virtual Workshop - 2 Days Advanced Python Machine Learning Workshop
22/01/2022	Virtual Workshop - Half Day Google Analytics Crash Course
21/05/2022	Virtual Webinar - Webinar Talk on "Future Trends in the Electrical Industry and What Will be the Future for Professional Engineers in Electrical Engineering"
04/06/2022	Physical Webinar - Half Day Webinar on "Site Investigation, Analysis & Design, Code Standards of Pile Foundation"
18/06/2022	Physical Webinar - Half Day Webinar on "Site Construction & Supervision of Piling Works"
09/07/2022	Virtual Webinar - Webinar Talk on "Machine life expectancy - from cradle to grave. An overview of machinery life-cycle from design to end-of-life spectrum."
27/08/2022	Virtual Webinar - Webinar Talk on "Career Path Design Webinar Series: Route to Professional Engineer - Chemical And Process Industries (CPI) In Malaysia."
03/09/2022	Virtual Webinar - Industrial Webinar Talk on "Leadership in VUCA World: Malaysian Perspective"
24/09/2022	Virtual Webinar - Technical Talk on "Introduction to Geosynthetics"
29/11/2022	Virtual Webinar - Webinar Talk on "The Registration of Engineers ACT 1967 (Pathway to Become A PEPC)"

16.13.5 **External, Social and Community Portfolio**

Normally, YES has monthly sport sessions with the student sections. However, due to Covid-19, there is no outdoor events being carried out during year 2022.

16.13.6 **Publicity Portfolio**

IEM YES has continued to promote and update their upcoming activities, seminar, workshop, event & etc. using social media platforms. This year, IEM YES has extended the social media channels to telegram and LinkedIn.

Facebook Page	IEM (HQ) – YES: https://www.facebook.com/iemyeskl/
Instagram Page	https://www.instagram.com/iemyes/
Telegram Page	https://t.me/joinchat/UZ3xGOyvPq3SV6mf
LinkedIn Page	https://www.linkedin.com/company/young-engineers-section-iem-yes

IEM YES had also actively encouraged the Student Sections to submit their campus news to IEM via IEM YES email. The campus news serves as a chance to publicize the events, activities and achievements of the student sections and it will be published in the IEM Bulletin.

16.13.7 **Graduate and Student Affairs Portfolio**

IEM YES stays connected with the Student Sections via different channels. During the pandemic, IEM YES supported the Student Sections to facilitate their request for MDP, Education Fund subsidies and attending the respective AGMs virtually.

IEM YES has also organized the Outstanding IEM Student Section Award and the Outstanding YES Branch Award for the year 2022. All the winners have been announced during the Virtual NATSUM 2022.

Outstanding IEM Student Section Award 2022

- (a) IEM University of Nottingham Malaysia (UNM) Student Section
- (b) IEM Swinburne Sarawak (IEMSSSS) Student Section
- (c) IEM Universiti Teknologi PETRONAS (UTP) Student Section
- (d) IEM Universiti Malaysia Pahang (UMP) Student Section
- (e) IEM Universiti Teknologi Malaysia (UTM) Student Section

Outstanding IEM YES Branch Award 2022

- (a) IEM YES Perak Branch
- (b) IEM YES Southern Branch
- (c) IEM YES Penang Branch

Webinars in collaboration with Student Sections across Malaysia.

19 Jan 2022	IEM Health and Wellness Series 006: Mental Wellness and Love Yourself More
22 Jan 2022	IEM Health and Wellness Series 007: Transforming Your Inner Critic into Your Inner Cheerleader
50 Feb 2022	IEM Health and Wellness Series 008: How to Communicate and Influence Effectively?
12 Feb 2022	IEM Health and Wellness Series 009: 5 Hacks to Conquer Stress & Anxiety
26 Feb 2022	IEM Health and Wellness Series 010: Successful networking and pitching
12 Mar 2022	IEM Health and Wellness Series 011: Is ok to not be ok!
25-27 Mar 2022	IEM Health and Wellness Symposium

16.14 **Women Engineers Section**

Under clause 9 of Rules of the Women Engineers Section at the 103rd meeting held on 8 June 2022, the WE Committee re-elected Ir. Noorfaizah binti Hamzah as the Chairman and Prof. Ir. Dr. Zuhaina binti Zakaria was elected as Vice Chairman I, while Assoc. Prof. Ir. Dr. Syuhaida binti Ismail was elected as Vice Chairman II for session 2022/2023.

The section continues to play an active role in promoting and supporting women engineers.

In 2022, IEM-WE has been stepping up effort to inspire more young girls to enter STEM and has participated in many activities such as science fair, talks, workshop and carnivals in schools. The IEM WE Section has also organised personal development talks and technical talks in IEM premises. IEM WE is also actively involved in the promotion of STEM Education together with the National STEM Movement. The Section had participated in the International Women's Day 2022, Women in Zcience 2021 and Minggu Sains Negara 2022.

Outreach activities for 2022 were:

- International Women's Day, 4 March 2022 - In collaboration with MRANTI and STEM4 ALL Makerspace
- World Engineering Day – Geodesic Dome Session, 5 March 2022
- Launching of Survey on “Women in Science, Techology & Engineering and Women Engineers at Management Level”, 8 March 2022
- WiZ Workshop on Biology, 9 April 2022
- Minggu Sains Negara, 27 August 2022
- WiZ Workshop on Intro to AI, 14 May 2022

- WiZ Workshop on Physics, 11 June 2022
- WiZ Workshop on Augmented Reality, 9 July 2022
- WiZ Workshop on Chemistry, 13 August 2022
- APNN-WiSET Conference 2022, 13-14 October 2022
- Sembang Santai Bersama Jurutera, 24 November 2022

Ir. Noorfaizah also continued in her position as the Secretary General of WEAFEO.

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 Engineering Technical Division (AFETD)	Ir. Yong Hong Liang	Ir. Wan Wai Thong	Ir. Ayob bin Sukra
Building Services Technical Division (BSTD)	Ir. Cha Hoong Kum	Ir. Tan Chew	Ir. Sofia Johari
Chemical Engineering Technical Division (CETD)	Ir. Lee Teck Lii	Ir. Dr. Teow Yeit Haan	Ir. Vincent Khaw Wei Chuan
Civil and Structural Engineering Technical Division (CSETD)	Ir. Dr. Kwong Kok Zee	Ir. Lo Seng Ling	Ir. Ng Beng Hooi
Consulting Engineers Special Interest Group (CESIG)	Ir. Dr. Tan Chee Fai	Ir. Tejinder Singh	Ir. Kamalesen Chandrasekaran
Electrical Engineering Technical Division (EETD)	Ir. Dr. Siow Chun Lim	Ir. Kwok Yew Hoe	Ir. Shamila Ariaratnam
Electronic Engineering Technical Division (eETD)	Ir. Dr. Mui Kai Yin	Ir. Dr. Huzein Fahmi bin Hawari	Ir. Ts. Dr. Tan Kim Seah
Engineering Education Technical Division (E2TD)	Ir. Dr. Balamurugan a/l Annamalai Gurnathan	Ir. Ts. Dr. Dhakshyani a/p Ratnadurai	Ir. Yong Hong Lee
Environmental Engineering Technical Division (ENETD)	Ir. Tang Boon Heng	Ir. Jaya Chandar a/l Poloha Nadan	Ir. Thirunavukkarasu Namasivayam
Geotechnical Engineering Technical Division (GETD)	Ir. Dr. Chan Swee Huat	Ir. Dr. Gue Chang Shin	Ir. Mak Wai Kin
Highway and Transportation Engineering Technical Division (HTETD)	Ir. Assoc. Prof. Edwin Goh Boon Hoe	Ir. Foo Kam Fai	Ir. Syed Khairi bin Syed Abbas
Information & Communications Technology Special Interest Group (ICTSIG)	Ir. Amir Hussein bin Jaafar	Ir. Phang Chee Man	Ir. Hor Kok Luen
Marine Engineering and Naval Architecture Technical Division (MNATD)	Ir. Ts. Abdul Malik Hussein bin Abdul Jalil	Ir. Prof. Dr. Ching Yern Chee	Ir. Teh Teoh Hai

Material Engineering Technical Division (MaTD)	Ir. Prof. Dr. Cheong Kuan Yew	Ir. Assoc. Prof. Dr. Wong Yew Hoong	Ir. Dr. Tan Kim Seah
Mechanical Engineering Technical Division (METD)	Ir. Dr. Aidil Chee Tahir	Ir. Dr. Alvin Yap Chee Wei	Ir. Yeoh Jit Shiong
Oil, Gas and Mining Technical Division (OGMTD)	Ir. Lee Chang Quan	Ir. Muhamad Her Hj. Jantan	Ir. Fadhli Shazlan Abdul Rahman
Project Management Technical Division (PMTD)	Ir. Dr. Nor Azhar bin Mohd Arif	Ir. Dr. Harris bin Abd Rahman Sabri	Ir. Assoc. Prof. Dr. Syuhaida binti Ismail
Public Sector Engineers Special Interest Group (PSESIG)	Ir. Shahidan bin Sadiman	Ir. Bhupinder Singh Brar a/l Kirpal Singh Brar	Ir. Mohamad Zaid bin Mohamad Ali
Safety in Engineering Special Interest Group (SESIG)	Ir. Tajul Ariffin bin Mohamed Nori	Ir. Francis, Ngiam Kee Hwee	Ir. Dr. Mohd Fairuz Ab. Rahman
Seniors Special Interest Group (SSIG)	Ir. Chow Sei Ying, Raymond	Ir. Ling Sieh Kieng, Johnny	Ir. Yvonne Fernandez
Tunneling and Underground Space Technical Division (TUSTD)	Ir. Ong Sang Who	Ir. Frankie Cheah Peng Leong	Ir. Dr. Rini Asnida binti Abdullah
Urban Engineering Development Special Interest Group (UEDSIG)	Ir. Azhar bin Azmi	Ir. Benny Lau Eng Kee	Ir. Mike Lau Yee Leong
Water Resources Technical Division (WRTD)	Y.Bhg. Dato' Kapt. (B) Ir. Hj. Anuar bin Hj. Yahya	Ir. Choek Hou Seng	Ir. Low Sheue Lih, Shirley
Women Engineers Section (WES)	Ir. Noorfaizah binti Hamzah	Vice Chairman 1 - Prof. Ir. Dr. Zuhaina binti Zakaria Vice Chairman 2 - Ir. Melaty binti Ghazali (deceased)	Hon. Secretary - Ir. Nur Azhani binti Mohamad Rosli Hon. Treasurer - Y.Bhg. Datin Sri Ir. Hj. Nor Asiah binti Othman
Young Engineers Section (YES)	Mr. Muhammad Ashiq Marecan	Vice Chairman 1 - Mr. Lim Yiren Vice Chairman 2 - Sdr. Darshan Balasubramaniam	Hon. Secretary / Hon. Treasurer - Ms. Ong Ye Shian

17.2 Membership of the Technical Divisions/Special Interest Groups

TD/SIG	2022	TD/SIG	2022	TD/SIG	2022
AFETD	257	GETD	1504	SESIG	100
BSTD	1637	HTETD	1452	SSIG	167
CESIG	962	ICTSIG	395	TUSTD	423
CETD	649	MaTD	122	UEDSIG	198
CSETD	4487	METD	2795	WE	12,481
E2TD	1177	MNATD	403	WRTD	1601
EETD	2722	OGMTD	1761	YES	35,899
eETD	1106	PMTD	3239		
ENETD	1331	PSESIG	176		

17.3 Activities Organised

17.3.1 Technical Talks and Visits

TD/SIG	PHYSICAL TALKS	VIRTUAL TALKS	PHYSICAL TECHNICAL VISIT	COMMUNITY SERVICES or OUTDOOR SOCIAL ACTIVITIES
AFETD	0	4	0	0
BSTD	4	0	1	0
CESIG	2	8	1	0
CETD	2	6	0	0
CSETD	0	1	2	0
E2TD	0	9	3	0
EETD	0	13	2	0
eETD	4	8	2	0
ENETD	1	5	0	0
GETD	5	3	2	0
HTETD	0	9	2	0
ICTSIG	0	8	2	11
MaTD	0	19	0	0
METD	1	28	6	0
MNATD	0	4	1	0
OGMTD	0	14	1	0
PMTD	0	9	1	0
PSESIG	0	4	0	0
SESIG	1	9	1	0
SSIG	0	6	4	0
TUSTD	5	0	1	0
UEDSIG	1	9	1	0
WE	0	2	0	0
WRTD	0	3	0	0
YES	0	7	0	1

17.4 Courses/Seminars/Workshops

TD/SIG	WORKSHOP/ COURSE/ SEMINAR			SYMPOSIUM/CONFERENCE			COMPETITION	
	Physical	Virtual	Hybrid	Physical	Virtual	Hybrid	Physical	Virtual
AFETD	0	0	0	0	0	0	0	0
BSTD	1	2	0	0	0	0	0	0
CESIG	0	2	0	0	1	0	0	0
CETD	2	0	0	0	0	1	2	1
CSETD	3	0	2	0	0	1	0	0
E2TD	0	0	0	0	1	0	0	2
EETD	8	5	0	0	0	1	0	0
eETD	3	0	0	0	0	0	3	0
ENETD	1	0	0	0	0	0	0	0
GETD	1	4	0	1	0	0	0	0
HTETD	0	6	0	0	0	0	0	0
ICTSIG	2	0	0	0	0	0	1	0
MaTD	0	1	0	0	0	0	0	1
METD	0	1	0	0	0	0	0	0
MNATD	0	0	0	1	0	0	0	1
OGMTD	0	2	0	0	0	0	0	0
PMTD	1	14	0	0	0	1	0	1
PSESIG	0	0	0	0	0	0	0	0
SESIG	0	3	0	0	0	0	0	0
SSIG	0	1	0	0	0	0	0	0
TUSTD	1	1	0	0	0	0	0	0
UEDSIG	0	1	0	0	0	0	0	0
WE	0	0	0	0	0	0	1	1
WRTD	1	0	0	0	0	1	0	0
YES	0	6	0	1	0	0	0	0

SIEM SUMMARY ACTIVITIES 2022
TALKS, VISITS, PAID ACTIVITIES, DIGITAL CLASSES, COMPETITION ETC.
(1st JANUARY 2022 - 31st DECEMBER 2022)

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
1	4 Jan 2022 3.00pm - 5.00pm	FAB	Webinar Talk	Guideline on Testing and Commissioning of Fire Protection Systems (Series 1)	Ir. Yim Hon Wa, Ir. Leong Siew Meng & Ir. Daniel Lim Kim Chuan	118
2	5 Jan 2022 3.00pm - 5.00pm	FAB	Webinar Talk	Guideline on Testing and Commissioning of Fire Protection Systems (Series 2)	Ir. Wong See Foong & Ir. Yim Hoon Wa	105
3	6 Jan 2022 3.00pm - 5.00pm	FAB	Webinar Talk	Guideline on Testing and Commissioning of Fire Protection Systems (Series 3)	Ir. Tan Chew & All panelist	99
4	8 Jan 2022 9.00am - 11.00am	OGMTD	Webinar Talk	Why Production Technology Is an Important Discipline in Upstream Oil and Gas Industry and Why It Is Extremely Fun and Rewarding to Be A Production Technologist	Mr. Thierry Wee	50
5	8 Jan 2022 1.00pm - 5.00pm	YES	Virtual Course	Python Machine Learning Crash	Dr. Chaw Jun Kit	18
6	8 Jan 2022 9.00am - 1.00pm	YES	Virtual Course	From Graduate to Professional Engineer	Ir. Han Seng Kong, Ir. Lim Kim Ten & Ir. Mohd Azha Abu Samah	76
7	10 Jan 2022 9.00am - 5.00pm	EETD & IEMTA	Virtual Course	5-Day IEM Energy Manager Training Course (EMTC) #1 Series - A Preparation Course for Registration as a Registered Electrical Energy Manager (REEM) with Suruhanjaya Tenaga	Various Speakers	16
8	11 Jan 2022 3.00pm - 5.00pm	MaTD	Webinar Talk	A New Microalgae Biorefinery Technology for Circular Bioeconomy – Internet of Things Liquid Biphasic System	Ir. Prof. Ts. Dr. Pau-Loke Show	6
9	12 Jan 2022 4.00pm - 6.00pm	SSIG	Webinar Talk	Product Recall for Customer Satisfaction in Automotive Industry	Ir. Ts. Sukhairul	40
10	15 Jan 2022 1.00pm - 5.00pm	YES	Virtual Course	Advanced Python Programming	Dr. Chaw Jun Kit	15
11	15 Jan 2022 9.00am - 12.30pm	YES	Webinar Talk	Earth-Retaining Structure Engineering Design and Construction in Malaysia	Ir. Tu Yong Eng	63
12	17 Jan 2022 4.00pm - 6.00pm	EETD	Webinar Talk	Building Of The Future From Lighting Control's Perspective	Mr. Alan Jackson	65
13	22 Jan 2022 9.00am - 1.00pm	YES	Virtual Workshop	Google Analytics Crash Course	Dr. Yu Yong Poh	21
14	23 Jan 2022 10.00am - 12.00pm	MNATD	Physical Talk	Project Financial Modeling – How to Conduct Feasibility Studies using the Engineering Finance Methodology to Optimise the ROI and Enhance the Long-Term Sustainability	Ir. Dr. Maulud Abdul Latif	16
15	27 Jan 2022 4.00pm - 6.00pm	TUSTD	Webinar Talk	Talk on Application of Space-Borne Technologies for Ground and Structural Deformation Monitoring	Dr. Tadashi Sasakawa, Mr. Mitsutomo Nakamura & Mr. Dipendra Sunuwar	63
16	29 Jan 2022 9.00am - 11.00am	ICTSIG	Virtual Class	Online Digital Class Introduction to Arduino (Part 4)	Ir. Amir Hussein	13
17	10 Feb 2022 10.00am - 12.00pm	MaTD & eETD	Webinar Talk	Post-Silicon Era of Power-Electronic Devices	Prof. Dr. Jisheng Han	37
18	12 Feb 2022 9.00am - 11.00am	OGMTD	Webinar Talk	Webinar Panel Session - ASEAN Business Chat for Engineering - Oil & Gas	Ir. Abdul Razak Yakob, Ir. Razmahwata Razalli & Ir. Yau Chau Fong	45
19	12 Feb 2022 9.00am - 10.30am	CETD	Webinar Talk	Waste Management Outlook In Malaysia	Ms. Raelyn Rachele Chwee	73
20	12 Feb 2022 10.30am - 12.00pm	CETD	Webinar Talk	Environmental Impact of Chemical Recycling Technology For Plastic Waste	Ir. Mohammad Fadhli bin Mat Shah	73
21	12 Feb 2022 12.00pm - 1.30pm	CETD	Webinar Talk	Thermal Decomposition of Plastics Waste to Valuable Product and Energy	Assoc. Prof. Ts. Dr. Ruzinah Isha	73
22	12 Feb 2022 1.30pm - 3.00pm	CETD	Webinar Talk	PP/PE Manufacturing Application and Recycling	Mr. Ng Chon Fook	73
23	15 Feb 2022 5.30pm - 7.30pm	EETD	Webinar Talk	Towards Electric Mobility in Malaysia and How Engineering Professionals Can Be Part of It	Mr. Huzaimi Nor bin Omar	68
24	22 Feb 2022 5.30pm - 7.30pm	METD	Webinar Talk	Space Cosmonaut Selection Program - The Challenges Experienced	Ms. Vanajah Siva PhD.	30
25	23 Feb 2022 5.00pm - 7.00pm	GETD	Webinar Talk	Geotechnical Challenges, Current Practices, and proposed Solutions to Stabilize Sabkha Soil Deposits - A highly problematic soil for Construction	Dr. Mohd Ahmadullah Farooqi	102
26	24 Feb 2022 9.00am - 11.00am	MaTD	Webinar Talk	Challenges of Solder Materials and The Solution with Durafuse Technology	Dr. Hong Wen Zhang	38
27	24 Feb 2022 3.00pm - 5.00pm	MNATD	Webinar	A Technical Introduction Towards the Modeling of Autonomous Surface Vehicles (Boats and Ships) via Artificial Intelligence	Dr. Ahmad Faisal Mohamad Ayob	44

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
28	26 Feb 2022 9.00am - 11.00am	E2TD	Physical Talk	Engineers In River Restoration?	Ir. Dr. Salmaliza Salleh	11
29	26 Feb 2022 9.00am - 11.00am	PMTD	Webinar Talk	Hillside Development Management & Case Study	Ir. Vincent Wong Khien Ngee	131
30	28 Feb 2022 5.30pm - 7.30pm	E2TD	Webinar Talk	Reinforced Plastic Material: Present And Future Challenges	Assoc. Professor Dr. Goh Kheng Lim	84
31	1 Mar 2022 1.30pm - 5.30pm	PPC	Virtual Half Day Course	Flood Emergency Response Planning	Ir. Loo Chee Kin	37
32	3 Mar 2022 4.00pm - 6.00pm	TUSTD	Webinar Talk	M&E Design Consideration for Tunnel (Railway and Road)	Mr. Tony Koo Mr. Sam Chung	75
33	4 Mar 2022 9.00am - 11.00am	SESIG	Webinar Talk	ICode of Practices For Safety In Welding And Cutting	Various Panellist	15
34	4 Mar 2022 3.00pm - 5.00pm	MaTD	Webinar Talk	Energizing Energy-Innovations: Atomic-Level Engineering of 2D Nanomaterials for Photo/Electro -Catalysis toward Renewable Energy Applications	Assoc. Prof. Dr. Wee Jun Ong	49
35	4 Mar 2022 3.30pm - 5.00pm	E2TD	Webinar Talk	Automotive Engineering Design Process	Ir. Dr. Balamurugan A. Gurunathan	90
36	5 Mar 2022 10.00am - 12.00pm	Sc on EC	Webinar Talk	Comparing and Contrasting Design Build Contract vs. Traditional Contract	Ir. Jeffrey Lee Sheu Tiong	136
37	8 Mar 2022 2.00pm - 6.15pm	BSTD	Virtual Half Day Seminar	Building Electrification and Chiller Heat Recovery & Chiller Plant Optimization with AI And Machine Learning	Dr. Zhao Xijing & Mr. Woon Teck Kee	74
38	10 Mar 2022 3.00pm - 5.00pm	ICTSIG	Webinar Talk	Unlock Your Assets Hidden Value with IIoT in Food Production	Ms. Jeslyn Wong & Mr. Axel Eidmann	45
39	12 Mar 2022 9.00am - 11.00am	WE	Online Forum	Women engineers who have left engineering profession; What's on the other side?	Ms. Lee San Nien, Ir. Lailatul Aqmar & Ms. Tengku Nur Hafizah	15
40	12 Mar 2022 9.00am - 11.00am	ICTSIG	Annual General Meeting	24 th ICTSIG Annual General Meeting	NIL	54
41	12 Mar 2022 9.00am - 11.00am	OGMTD	Webinar Talk	Petronas Pipeline Engineering Solutions (P-PIES) – A Digitalization in Pipeline Engineering	I Wayan Eka Putra & Norliza Salihin	75
42	14 Mar 2022 10.00am - 12.00pm	PSESIG & WRTD	Webinar Talk	From Mitigation Climate to Climate Resilient	Dato' Seri Ir. Dr. Zaini Ujang	100
43	16 Mar 2022 9.00am - 5.30pm	EETD	Symposium	IEM – Standard Malaysia – Suruhanjaya Tenaga Asean Electrotechnical Symposium 2022 (IESE2022)	Various Speakers	120
44	16 Mar 2022 10.30am - 12.30pm	CETD	Physical Talk	Practical Approaches to Enhance Sustainability for Industrial Corporation	Professor Ir. Dr. Dominic Foo Chwan Yee	35
45	18 Mar 2022 11.00am - 1.00pm	SESIG	Physical Talk	The Forensic Engineering Approaches and Challenges in Occupational Accident Investigation	Ir. Tajul Ariffin Mohamed Nori	30
46	18 Mar 2022 5.30pm - 7.30pm	GETD	Webinar Talk	Case Study on Spun Piles and Bored Pile Foundation Design and Construction Using Eurocode 7 With Load Test Verification	Ir. Cheah Siew Wai	230
47	19 Mar 2022 11.00am - 1.00pm	UEDSIG	Webinar Talk	The Journey of Green and Smart Buildings in Singapore's Built Environment	Prof. Lam Siew Wah	108
48	19 Mar 2022 9.00am - 5.00pm	PMTD	Conference	Project Management Conference 2022 (PROMAC 2022)	Various Speakers	206
49	22 Mar 2022 9.00am - 1.00pm	SESIG	Webinar Talk	Are you ready for DOSH-SIRIM Certified PPE?	Ms. Sherlyn Voon Chel Ling	18
50	22 23 2022 8.30am - 5.30pm	SC on EC	Physical Course	2-Day Course on MyCESSM2	Ir. Shahul Ikram	6
51	23 Mar 2022 9.00am - 11.00am	TUSTD	Annual General Meeting	22 nd TUSTD Annual General Meeting	NIL	130
52	23 Mar 2022 11.30am - 1.30pm	TUSTD	Webinar Talk - Pre AGM Talk	Application of Vertical Sinking Machine Method for Shaft Construction	Mr. Chen Ying Kang	175
53	24 Mar 2022 10.00am - 12.00pm	SESIG	Webinar Talk	Accident Prevention Through Design	Dr. Kamarizan Kidam	54
54	24 Mar 2022 10.00am - 12.00pm	OGMTD	Webinar Talk	Corrosion in Oil and Gas	Various Speakers	45
55	25 Mar 2022 5.30pm - 7.30pm	METD	Webinar Talk	Sustainable Development: The Role of a Modern Day Engineer	Ir. Dr. Aidil Chee Tahir	73
56	26 Mar 2022 9.00am - 11.00am	ICTSIG	Webinar Talk	IoT For Agriculture, How Do I Start Designing One?	Ir. Amir Hussein & Ir. Chai Chen Sing	47
57	26 Mar 2022 11.30am - 1.30pm	SESIG	Webinar Talk	Site Safety, Health and Security at Construction Threat, Risk & Vulnerability Assessment and Effective Measures	G. Baskar Govindarajulu	52
58	26 Mar 2022 9.00am - 11.00am	OGMTD	Webinar Talk	What's up in Oil & Gas Industrial Research #1: What's the Scientist world, and what is best practice for geological CO2 storage modelling?	Dr. Mohd Faizal Sedaralit & Dr. Nor Idah Kechut	35
59	26 Mar 2022 11.30am - 1.30pm	EETD	Webinar Talk	ISO 13485:2016 Insights to the Role of an Engineer"	Mr. Mohd Fauzi & Ir. Shamila	39

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
60	28 Mar 2022 3.00pm - 5.00pm	EETD	Webinar Talk	Mitigation and Prevention of Electrical Fire	Ir. Chong Chew Fan	106
61	28 Mar 2022 6.30pm - 8.30pm	eETD	Webinar Talk	Integrated Circuit Design: Challenges and Solutions	Dr. Arjuna Marzuki	14
62	29 Mar 2022 5.30pm - 7.30pm	METD	Webinar Talk	Talk on Update of Commercial Vehicles in Malaysia	Dato' Ir. Foong Choy Chye	30
63	29 Mar 2022 9.00am - 5.30pm	HTETD	Virtual Course	Junction Design, Road Safety Audit (RSA) & the Traffic Management Plan (TMP)	Ir. Richard Wong Chuen Fun	30
64	30 Mar 2022 5.30pm - 7.30pm	METD	Webinar Talk	Green Energy Penetration at Distribution Grid through New Enhanced Dispatched Agreement (NEDA) and Green Third Party Contract (GTPC) Framework	Ir. Dr. Kannan Munissamy	37
65	30 Mar 2022 5.30pm - 7.30pm	Special Committee for Covid-19 Pandemic	Webinar Talk	How to Implement the Public Opinion Survey in Malaysia	Mr. Lee Tai Dee	17
66	31 Mar 2022 2.00pm - 4.00pm	METD	Webinar Talk	SKF Bearing Technology and Bearing Selection Processes in Machine Design	En. Zainul Rashid Shamsudin	41
67	31 Mar 2022 10.00am - 12.00pm	HTETD	Webinar Talk	Strategic Investments in Transportation Electrification Technologies	Ms. Khadijah Latiff	36
68	31 Mar 2022 5.30pm - 7.30pm	GETD	Technical Talk	Bored Piles in Tropical Soils and Rocks - Shaft And Base Resistances, t-z And q-w Models	Various Speakers	35
69	1 Apr 2022 8.00am - 5.00pm	E2TD	Hybrid	Bengkel Pengisian Template Course Assessment Report (CAR) dan Programme Assessment Report (PAR)	Ir. Dr. Balamurugan A. Gurunathan	90
70	1 Apr 2022 10.00am - 12.00pm	PSESIG	Webinar Talk	Sustainable Construction Project Financing	Mr. Ahmad Nadjme Yusof	51
71	4 Apr 2022 2.30pm - 4.30pm	SSIG	Webinar Talk	South East Asia Product Data Hub - Navigating IoT Product's Cross Border Trade and Technical Compliance	Mr. Wei Fung, Nyuo & Mr. Abdul Ghani bin Zainal	33
72	7 Apr 2022 3.00pm - 5.00pm	ICTSIG	Webinar Talk	Digital Service for Value, Performance and Visibility	Mr. Hee Tit Shan	38
73	9 Apr 2022 11.00am - 1.00pm	UEDSIG	Webinar Talk	The Journey of DfMA and Digitalisation in Singapore's Built Environment	Prof. Lam Siew Wah	61
74	9 Apr 2022 11.30am - 1.30pm	METD	Webinar Talk	The Role of a Mechanical Engineer and Their Contributions in Greening the Building Industry	Ir. Tony Cheng Yew Leong	87
75	9 Apr 2022 9.00am - 11.00am	OGMTD	Webinar Talk	Process Safety Management – A Primer	Ir. Razmahwata Razalli	57
76	13 Apr 2022 3.00pm - 5.00pm	MaTD	Webinar Talk	Nanotechnology for Circular Economy: A Case for Hydrogen Production	Ts. Dr. Mohamed Shuaib Mohamed Saheed	50
77	20 Apr 2022 3.00pm - 5.00pm	BSTD	Webinar Talk	The Great Flood of Malaysia in 2021: Is the Country Prepared for the Next Great Flood	Ir. Gary Lim Eng Hwa	142
78	22 Apr 2022 10.00am - 12.00pm	EETD	Webinar Talk	Developments in Efficiencies of Data Center	Mr. Andy Soon	73
79	25 Apr 2022 10.00am - 12.00pm	SSIG & CESIG	Webinar Talk	BIM in Construction Industry: Challenges, Lesson Learnt & Opportunities	En. Muhammad Imran bin Roslan	115
80	26 Apr 2022 9.00am - 1.00pm	EETD	Virtual Workshop	Standards Development	Various Speakers	22
81	26 Apr 2022 5.30pm - 7.30pm	WRTD	Webinar Talk	A True Representation of Risk and Mitigation Opportunities	Dr. Ken Vui Chua	78
82	27 Apr 2022 9.00am - 12.30pm	GETD	Virtual Forum	2-Day Online Forum on Landslide	Various Speakers	122
83	27 Apr 2022 2.30pm - 4.30pm	PMTD	Webinar Talk	Quality Management System in Construction	Ts. Muhammad Firdaus bin Muhammad Idris	109
84	28 Apr 2022 2.30pm - 4.30pm	E2TD	Webinar Talk	Scenario Based Simulation Testing of Autonomous Vehicle Using Virtual Testing Platform	Ts. Dr. Vimal Rau Aparow	33
85	29 Apr 2022 10.00am - 12.00pm	EETD	Webinar Talk	Data Centre Infrastructure Design Standard (TIA-942)	Mr. Hon Lai Kin	83
86	10 May 2022 9.00am - 1.00pm	SESIG	Virtual Half Day Course	Design Risk Assessment- OSHCIM Process	Ir. Dr. Mohd Fairuz Ab. Rahman	18
87	10 May 2022 3.00pm - 5.00pm	ICTSIG	Webinar Talk	5G; What is the Progress on Standardization? What is the 5G use case? What is the Deployment Progress at Malaysia Now?	Mr. Steven Poh	39
88	14 May 2022 9.00am - 11.00am	OGMTD	Webinar Talk	Application of Principal Component Analysis & Multiple Regression Models in Dust Pollution Assessment at Quarry Site	Dr. Izhar Abadi bin Ibrahim Rais	46
89	14 May 2022 9.00am - 11.00am	ENETD	Annual General Meeting	30 th ENETD Annual General Meeting	NIL	128
90	14 May 2022 11.30am - 1.00pm	EETD	Annual General Meeting	37 th EETD Annual General Meeting	NIL	105

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
91	18 May 2022 3.30pm - 5.30pm	HTETD	Webinar Talk	Special Customised Precast Concrete Products for the Malaysian Infrastructure and Transportation Industry	Mr. Mehdi Maghfouri & Mr. Lee Hui Seng	146
92	18 May 2022 6.00pm - 8.00pm	MaTD	Webinar Talk	Nanocellulose: Surface Functionalization and Their Application	Assoc. Prof. Dr. Sam Sung Ting	20
93	21 May 2022 9.00am - 5.00pm	ICTSIG	Physical Workshop	Engineers First Step to 3D Printing	Mr. Wan Mohd Faizal	8
94	21 May 2022 11.30am - 1.30pm	EETD & PMTD	Webinar Talk	Issues and Challenges on the Ground Impacting Agile-Hybrid Project Success	Dr. Jay Sithambaram	32
95	21 May 2022 9:00am - 11:00am	YES	Webinar Talk	Future Trends in the Electrical Industry and What Will be the Future for Professional Engineers in Electrical Engineering	Ir. Yau Chau Fong	53
96	23 May 2022 3:00pm - 5:00pm	eETD	Webinar Talk	Certification and Importation of Communication and Multimedia Products in Malaysia	Ts. Mohd Zulfadzli bin Abu Seman	8
97	24 May 2022 9.00am - 1.00pm	SSIG	Technical Visit	The Energy Sphere (TES), UNITEN Kampus Putrajaya	NIL	15
98	24 May 2022 10.00am - 12.00pm	MaTD	Webinar Talk	Green Hydrogen and Biomass	Prof. Dr. Masaharu Komiyama	40
99	24 May 2022 3.00pm - 5.00pm	BSTD	Webinar Talk	Challenges In Design Of Multi-Stage Pumping Mains In A Highrise Building That Saves Energy	Ir. Gary Lim Eng Hwa & Ir. Leong Hon Wah	119
100	26 May 2022 9.00am - 1.00pm	EETD	Virtual Half Day Seminar	Busduct Temperature Condition Monitoring	Mr. Jason Chia	35
101	26 May 2022 5.30pm - 7.30pm	UEDSIG & CSETD	Webinar Talk	Advances In Wind Engineering Of Structures	Mr. Sudeesh Kala	32
102	28 May 2022 9.00am - 5.30pm	PMTD	Virtual Course	Carbon Emission Reduction in Energy Saving Projects based on Financial Modelling	Ir. Noor Iziddin Abdullah bin Ghazali	18
103	28 May 2022 9.00am - 3.00pm	ENETD	Physical Seminar	Environmental, Social, And Governance (ESG) Goals via UVC & IoT Technologies as a Green Approach	Ir. Thirunavukkarasu Namasivayam, Mr. Nitin Bahl & Mr. Gaurav Yadav	63
104	26 May 2022 5.30pm - 7.30pm	METD	Physical Talk	Successful Project Management - The Roles of Engineers (Proton Exora Project)	Izhar bin Mohd Noor	5
105	28 May 2022 11.30am - 1.30pm	METD	Webinar Talk	Smart Homes for City Residents	Ir. Dr. Cheong Thiam Fook	93
106	28 May 2022 11.30am - 1.30pm	UEDSIG	Webinar Talk	Cloud Digitalisation Transformation for Construction on Project, Cost and Quality Management	Mr. Tan Loo Toon	Cancelled
107	30 May 2022 2.00pm - 4.00pm	WRTD	Webinar Talk	A case of Equatorial rainforest region mitigation measures for ESCP	Ir. Leong Kwok Wing	50
108	31 May 2022 2.00pm - 4.00pm	METD	Webinar Talk	Why Effective Ventilation and Indoor Air Quality (IAQ) For Non-Residential Setting During COVID-29 Pandemic is crucial	Ir. Gopal Narian Kutty	72
109	4 Jun 2022 11.30am - 1.30am	METD	Webinar Talk	Renewable Energy and Power Generation Technologies	Ir. Fam Hew Fin	83
110	4 Jun 2022 9.00am - 1.00pm	GETD & YES	Virtual Course	Site Investigation, Analysis & Design, Code Standards of Pile Foundation	Ir. Liew Shaw Shong	74
111	4 Jun 2022 11.00am - 1.00pm	UEDSIG	Webinar Talk	Solving Complex Problems with TRIZ: Exploring a New Skill for Engineers	Prof. Ts. Dr. Yip Mum Wai	71
112	7 Jun 2022 3.00pm - 5.00pm	SSIG	Webinar Talk	Anti-corrosion development – Case study for an Automotive Industry	Ir. Ts. Sukhairul Nizam Abdul Razak	46
113	8 Jun 2022 3.00pm - 4.30pm	eETD	Webinar Talk	InspireMe Talk - Tips for a Successful Career in Engineering and Manufacturing	TY Ang	195
114	8 Jun 2022 3.00pm - 5.00pm	E2TD	Webinar Talk	How Engineered Volcanic Rocks Resist Bullets and Protect Man in Space Voyage: Cost and Performance Perspectives	Dr. David N.V	34
115	9 Jun 2022 9.00am - 1.00pm	CSETD	Technica Visit	CIDB E-Construct Services Sdn. Bhd.	NIL	12
116	9 Jun 2022 10.30am - 12.30pm	SSIG	Webinar Talk	Smart Workforce Series – Optimise Your Project & Team Management	Mr. Wei Fung, Nyou & Mr. Gerald Lee Chih Ping	61
117	9 Jun 2022 5.30pm - 7.30pm	E2TD	Webinar Talk	6G Technology	Assoc. Prof. Ts. Dr. Shankar Duraikannan	56
118	11 Jun 2022 9.00am - 11.00am	OGMTD	Webinar Talk	What's up in Oil & Gas Industrial Research #2: Mercury Removal	Dr. Mohammad Syamzari bin Rafeen	41
119	11 Jun 2022 9.00am - 11.00am	GETD	Webinar Talk - Pre AGM Talk	Slope Safety Management to Combat Landslide Risk in Hong Kong	Ir. Lawrence K W Shum	126
120	11 Jun 2022 9.00am - 11.00am	WE	Webinar Talk	Women Engineers on Board: The Leadership Transition	Ir. Anita binti Mohamed Shafie, Ir. Zainab binti Kayat, Prof. Dr. Sumiani Yusoff & Ir. Sharifah Azlina binti Raja Kamal Pasmah	11

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
121	11 Jun 2022 11.30am - 1.00pm	GETD	Annual General Meeting	33 rd Annual General Meeting of the Geotechnical Engineering Technical Division (GETD), IEM	NIL	140
122	11 Jun 2022 2.00pm - 6.00pm	HTETD	Virtual Half Day Seminar	Cold in Place Pavement Recycling For Pavement Maintenance Work	Ir. Pok Sum Loong	31
123	13-17 Jun 2022 9.00am - 5.00pm	EETD & IEMTA	Virtual Course	5-Day IEM Energy Manager Training Course (EMTC) #2 Series - A Preparation Course for Registration as a Registered Electrical Energy Manager (REEM) With Suruhanjaya Tenaga	Various Speakers	7
124	15 Jun 2022 5.30pm - 7.30pm	ICTSIG	Physical Class	Digital Transformation in the Manufacturing Industry – Part 1	Ir. Lee Mun Poh	8
125	16 Jun 2022 9.00am - 1.00pm	PMTD	Technical Visit	SIRIM Bukit Jalil: Industrial Center Of Innovation In Smart Manufacturing	NIL	20
126	16 Jun 2022 9.30am - 1.00pm	ICTSIG	Technical Visit	ZTE Corporation Malaysia Sdn. Bhd.	NIL	re-scheduled to 23 Aug 2022
127	18 Jun 2022 11.30am - 1.30pm	SESIG	Inaugural General Meeting	1 st Inaugural General Meeting of Safety in Engineering Special Interest Group (SESIG)	NIL	87
128	18 Jun 2022 9.00am - 1.00pm	GETD & YES	Virtual Half Day Course	Site Construction & Supervision of Piling Works	Ir. Neoh Cheng Aik	64
129	18 Jun 2022 9.00am - 11.00am	OGMTD	Webinar Talk	What's up in Oil & Gas Industrial Research #3: Ears on Wells – A Multi Fiber Optics Sensor System for Oil and Gas Application	Dr. Ahmad Riza Ghazali	40
130	18 Jun 2022 9.00am - 11.00am	MNATD	Annual General Meeting	11 th MNATD Annual General Meeting	NIL	72
131	22 Jun 2022 9.00am - 5.00pm	MNATD	Conference	1 st Malaysia Marine Industry Conference 2022 (MMIC 2022)	Various speakers	125
132	23 Jun 2022 5.30pm - 7.30pm	METD	Webinar Talk	Energy Systems: Impacts of Sustainable Development ^{tt} - Postponed from 31 May 2022 (Digital Platform)	Dr. Chong Kok Boon	63
133	24 Jun 2022 3.00am - 5.00pm	UEDSIG	Webinar Talk	What You Need To Succeed In the Global Market From ECP's Perspective	Ir. Sharifah Azlina	68
134	25 Jun 2022 1.00pm - 3.00pm	HTETD	Webinar Talk	Transportation Engineering Education and Research: Challenges and Potential Solutions	Dr. Cheu Ruey Long	65
135	25 Jun 2022 10.00am - 12.00pm	ENETD	Webinar Talk	Environmental planning for the East Coast Rail Link	Ir. Dr. G. Balamurugan a/l B. Gurusamy	66
136	25 Jun 2022 9.00am - 11.00am	WRTD	Annual General Meeting	WRTD 35 th Annual General Meeting	NIL	110
137	27 Jun 2022 9.00am - 3.30pm	EETD	Physical Seminar	BS En 62305:2011 Protection Against Lightning	Various speakers	49
138	28 Jun 2022 9.00am - 1.00pm	AFETD	Technical Visit	Plant Factory, MARDI Headquarters, Serdang	NIL	22
139	28 Jun 2022 9.00am - 5.30pm	HTETD	Virtual Course	Junction Design, RSA & the Traffic Management Plan (TMP)	Ir. Richard Wong	30
140	29 Jun 2022 9.00am - 1.00pm	MNATD	Virtual Half Day Seminar	Ethics for Marine Professional	Ir. Prof. Dr. Ab. Saman Abd. Kader	cancelled
141	29 Jun 2022 9.00am - 5.00pm	E2TD	Conference	17 th International Engineering and Computing Research Conference (17 th EUREKA)	Ir. Ts Aionon Shakila binti Shamsuddin	150
142	30 Jun 2022 3:00pm - 5:00pm	eETD	Webinar Talk	New Product Development: How Engineers Can Use Project Management Methodologies To Accelerate Development with A Quality Mindset	Then Nam Sing	22
143	30 Jun 2022 9.00am - 1.00pm	METD	Technical Visit	KLIA Baggage Management	Nil	20
144	30 Jun 2022 3.00pm - 5.00pm	SSIG	Webinar Talk	Addressing Corrupt Practices - MACC ACT 2009 Section 17A – What Engineers Need to Know	Tn. Jayantha Kumar Sen Gupta	147
145	30 Jun 2022 5.30pm - 7.30pm	PMTD	Webinar Talk	How Well Do You Know Your House/Buildings (Causes, Prevention And Remediation Measures Management For Leaking And Wall Crack)	Mr. Kuan You Wai	110
146	30 Jun 2022 10.00am - 12.00pm	UEDSIG	Webinar Talk	Smart IBS System	Ir. Chan Huan Ong	118
147	2 Jul 2022 9.00am - 11.00am	SSIG	Annual General Meeting	8 th Annual General Meeting of the Seniors Special Interest Group (SSIG), IEM	NIL	77
148	2 Jul 2022 9.00am - 1.00pm	PMTD	Virtual Half Day Course	Hillside Development Management & Case Study	Ir. Vincent Wong Khien Ngee	35
149	2 Jul 2022 11.00am - 1.00pm	MNATD	Webinar Talk	Passive Acoustic Monitoring (PAM) Tech for Environmental Monitoring Application	Ir. Pro. Dr. Mohd Rizal Arshad	35
150	5 Jul 2022 3.00pm - 5.00pm	PPC,MOGEC	Physical & Webinar Talk	Registration of Engineers Act 1967	Dato' Paduka Ir. Dr. Keizrul Abdullah	263

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
151	5 Jul 2022 5.30pm - 7.30pm	CESIG	Webinar Talk	Consolidated Strategy on the Fourth Industrial Revolution for ASEAN	Ir. Prof. Dr. Tan Chee Fai	20
152	6 Jul 2022 9.00am - 12.30pm	WRTD, ENETD, CESIG & SSIG	Technical Visit	SMART Control Center (SCC), Department of Irrigation and Drainage Federal Territory of Kuala Lumpur, Ministry of Environment and Water	NIL	20
153	7 Jul 2022 10.00am - 12.30pm	EETD	Webinar Talk	Reactive Energy Management – LV Power Factor Correction	Mr. Ch'ng Eng Yong	110
154	8 Jul 2022 10.00am - 12.00pm	AFETD	Webinar Talk	Recent Development in Palm Oil Milling	Ir. Goh Su Kin	38
155	9 Jul 2022 9.00am - 11.00am	YES	Webinar Talk	Machine life expectancy - from cradle to grave. An overview of machinery life-cycle from design to end-of-life spectrum	Ir. Arul Hisham Abdul Rahim	40
156	14 Jul 2022 9.00am - 5.00pm	EETD	Physical Course	Innovation Talk Services In The IOT Age	Various Speakers	100
157	14 Jul 2022 3.30pm - 5.30pm	HTETD	Webinar Talk	Enhancing Expressways Operation and Maintenance (O&M) Through Innovation	Dr. Norbazlan Mohd Yusof	70
158	16 Jul 2022 9.00am - 11.00am	WE	Annual General Meeting	9 th Women Engineers Section Annual General Meeting	NIL	41
159	16 Jul 2022 9.00am - 1.00pm	GETD & TUSTD	Technical Visit	Belfield Tunnel of Merdeka 118 Development - Construction of Belfield Tunnel And Other Works (Flyover, Flarewall, PMU Roadway, Relocation of Existing Utilities And Road Upgrading Works)	NIL	24
160	16 Jul 2022 9.00am - 1.00pm	PMTD	Virtual Half Day Course	Project Management and PMP Certifications	Assoc. Prof. Ir. Dr. Abanag Annuar Ehsan	25
161	16 Jul 2022 10.00am - 12.00pm	ENETD	Webinar Talk	Processing on Non-Recyclable Combustible Waste and Converting into Solid Fuel to Replace Coal in Cements Plants and Process	Ir. Murali	51
162	16 Jul 2022 9.00am - 11.00am	CESIG	Annual General Meeting	CESIG 13 th Annual General Meeting	NIL	85
163	18 Jul 2022 3.00pm - 5.00pm	AFETD	Webinar Talk	Latest Developments in Microalgae Technology	Ir. Ts. Prof. Dr. Show Pau-Loke	20
164	19 Jul 2022 10.00am - 12.00pm	EETD	Webinar Talk	Fundamental Design and Process for Public Distribution License	Various Speakers	54
165	19 Jul 2022 4.00pm - 6.00pm	METD	Webinar Talk	Killer Lifts	En. Ragib Azmi	69
166	19 Jul 2022 5.30pm - 7.30pm	CESIG	Webinar Talk	Industry4WRD WEBINAR The Global Smart Industry Readiness Initiative Manufacturing Transformation Insights Report 2022	Ir. Prof. Dr. Tan Chee Fai AMN	30
167	20 Jul 2022 9.00am - 1.00pm	HTETD	Virtual Half Day Course	Best Practices on Road Construction and Preparing BQ Based on Civil Engineering Standard Method of Measurement MSCESMM (2018), MyCESMM2	Ir. Guna	28
168	20 Jul 2022 9.00am - 1.00pm	EETD	Virtual Half Day Seminar	Automatic Transfer Switch based on MS IEC 60947-6-1	Mr. Ritesh Lutchman	30
169	20 Jul 2022 5.30pm - 7.30pm	ICTSIG	Physical Talk	Digital Transformation in the Manufacturing Industry – Part 2	Ir. Lee Mun Poh	1
170	21 Jul 2022 2.00pm - 4.00pm	METD	Webinar Talk	Application of Fluid Mechanics Simulation for Engineering Design and Optimization in Energy Sector	Ir. Dr. Mohd Zulhilmu Paiz	50
171	21 Jul 2022 9.00am - 1.00pm	OGMTD	Virtual Half Day Course	Introduction to CO2 Corrosion	Ir. Dr. Azmi bin Mohammed Nor & Dr. Muhammad Firdaus Suhor	10
172	22 Jul 2022 3.00pm - 5.00pm	eETD	Physical Talk	How Smart Inverter Works in the Solar Photovoltaic (PV) System?	Mr. Ng Siew Chun	17
173	23 Jul 2022 9.00am - 11.00am	CSETD	Annual General Meeting	36 th Annual General Meeting of the Civil and Structural Engineering Technical Division (CSETD), IEM	NIL	118
174	23 Jul 2022 9.00am - 1.00pm	HTETD	Physical	Hiking to Bukit Batu Pahat, Kuala Kubu Bharu	NIL	8
175	23 Jul 2022 9.00am - 11.00am	CESIG	Physical Talk	The concerns with Tendering, its subsequent impacts and..... How to overcome them	Ir. Vignaeswaran	17
176	23 Jul 2022 11.30am - 1.30pm	METD	Webinar Talk	Aviation Disasters: Lesson Learned for Engineers, Engineering Technologist & Engineering Technician	Ricky Liew	50
177	25-26 Jul 2022 9.00am - 5.00pm	PMTD	Virtual Course	100 Common Problems of Construction Contract	Ir. Lai Sze Ching	48
178	26 Jul 2022 2.00pm - 6.00pm	METD	Webinar Talk	ESG Compliance and Reporting: What Engineers Need to Know	Ir. Ts. Noor Hisham Yahaya	50
179	26 Jul 2022 5.30pm - 7.30pm	CESIG	Webinar Talk	Gaining Competitive Advantage for Your Online Businesses through Artificial Intelligence (AI)	Dr. Chan Sai Keong	40
180	27 Jul 2022 9.00am - 3.00pm	E2TD	Physical Talk	Safety & Health Towards IR4.0	Various Speakers	106

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
181	27 Jul 2022 12.00pm - 2.00pm	E2TD	Physical Talk	Safety Demo Competition 2022 "More Dramatic, More Fun"	NIL	50
182	28 Jul 2022 2.00pm - 6.00pm	CSETD	Hybrid	Advancements in Post-Installed Reinforcements	Various Speakers	228
183	29 Jul 2022 3.30pm - 5.30pm	ICTSIG	Webinar Talk	Fiber To The Home Planning and Design	En. Asrul Nazrin	61
184	29 Jul 2022 9.00am - 11.00am	PSESIG	Webinar Talk	National Agricommodity Policy 2021-2030	Y.Bhg. Datuk Ravi Muthayah	39
185	30 Jul 2022 10.00am - 12.00pm	UEDSIG / YES SOUTHERN	Webinar Talk	Common Design/Construction Problems for High Rise Buildings in Mechanical Field	Ir. Lau Yee Leong	89
186	2 Aug 2022 10.00am - 12.00pm	HTETD	Webinar Talk	Dutch Reach – A Simple Habit That Could Save Lives	Dr. Michael Charney	44
187	3 Aug 2022 10.00am - 12.00pm	EETD	Webinar Talk	Investigating the Impact of Transformer Specification on the Life Cycle Carbon Emissions	Dr. P. Bhaba Das	60
188	3 Aug 2022 9.00am - 5.00pm	E2TD	Virtual Symposium	Engineering Education Symposium 2022	Various Speakers	40
189	4 Aug 2022 3.00pm - 5.00pm	PMTD	Webinar Talk	Agile Project Management	Assoc. Prof. Dr. Abd Rahman Abd. Rahman	85
190	5 Aug 2022 3.00pm - 5.00pm	E2TD	Webinar Talk - Pre AGM Talk	Reconnaissance to IEA GAPC V4	Ir. Prof. Dr. Siti Hawa Hamzah	30
191	6 Aug 2022 9.00am - 11.00am	eETD	Annual General Meeting	14 th Annual General Meeting of Electronic Engineering Technical Division (eETD)	NIL	37
192	6 Aug 2022 4.00pm - 6.00pm	SC on EC	Webinar Talk	IEM Form of Nominated Sub-Contract for Engineering Works - An Overview and Article 31 DELAY AND EXTENDED DATE FOR COMPLETION	Ir. Ho Kin Wing	83
193	6 Aug 2022 11.00am - 1.00pm	UEDSIG	Webinar Talk	Mid Valley City: Value Creation And Lessons In Public Private Partnership	Prof. Dr. Chen Boon Tai	93
194	8 Aug 2022 9.00am - 4.00pm	CETD	Competition	10 th IEM Design Competition 2021/2022 - Finale Round	NIL	70
195	8 Aug 2022 9.00am - 4.00pm	CETD	Competition	2 nd Chem-E Car Presentation Competition 2022	NIL	40
196	8 Aug 2022 9.00am - 5.00pm	EETD & IEMTA	Virtual Course	5-Day IEM Energy Manager Training Course (EMTC) #3 Series - A Preparation Course for Registration as a Registered Electrical Energy Manager (REEM) with Suruhanjaya Tenaga	Various Speakers	9
197	9 Aug 2022 9.00am - 5.00pm	CETD	Hybrid Conference	19 th Asia-Pacific Confederation of Chemical Engineering (APCCHE 2022)	Various Speakers	250
198	12 Aug 2022 9.00am - 1.00pm	CETD	Physical Course	Fluid Flow, Pressure Drop & Hydraulic Analysis	Mr. Charles Wiroon Tanthapanichakoon	17
199	12 Aug 2022 1.00pm - 5.30pm	CETD	Physical Course	Economics of Industrial Decarbonization	Prof. Santanu Bandyopadhyay	17
200	13 Aug 2022 9.00am - 11.00am	OGMTD	Webinar Talk	Application of Big Data And Internet of Things (IOT) In Oil And Gas Offshore Structures	Ms. Tang Horng Eng	70
201	13 Aug 2022 9.00am - 11.00am	PMTD	Annual General Meeting	18 th Annual General Meeting of Project Management Technical Division (PMTD AGM)	NIL	73
202	13 Aug 2022 11.30am - 1.30pm	PMTD	Webinar Talk - Pre AGM Talk	Interim Progress Claim Issues: from Scheduling Perspective	Ir. Wan Ibrahim bin Wan Yusoff	82
203	13 Aug 2022 11.30am - 1.00pm	E2TD	Annual General Meeting	26 th Annual General Meeting of Engineering Education Technical Division (E2TD AGM)	NIL	68
204	16 Aug 2022 4.00 pm - 6.00pm	BSTD	Webinar Talk	Journey to Nett Zero Building	Mr. Vinod Jenhani	101
205	17 Aug 2022 8.00am - 3.00pm	METD	Technical Visit	Kuala Lumpur Air Traffic Control Centre (KLATCC)	NIL	15
206	18 Aug 2022 3.00 pm - 5.00pm	BSTD	Webinar Talk	Dengue Menace as highlighted in June 2022 Jurutera Bulletin : Do You Have MORE Questions	Ir. Gary Lim Eng Hwa	32
207	18 Aug 2022 9.00am - 1.00pm	MaTD	Virtual Half Day Course	Challenges and Insights in Corrosion Management	Dr. Nazatul Liana Sukiman & Ms. Michelle Lau	20
208	19 Aug 2022 3.00pm - 5.00pm	eETD	Webinar Talk	Photonic Integrated Circuit and Heterogeneous Laser Integration	Dr. Lee Chee Wei	18
209	20 Aug 2022 9.00am - 5.30pm	ICTSIG	Physical Course	Build Your 1 st Android Engineering Application in 1 Day!	Ir. Chee Shai Choon	13
210	20 Aug 2022 9.00am - 11.00am	ICTSIG	Virtual Class	Online ICTSIG Digital Class - Introduction to Node JS - Part 1	Ir. Daniel Pu Chuan Hsian	36
211	20 Aug 2022 10.00am - 12.00pm	HTETD & ENETD	Webinar Talk	Food Waste Discharge And Processes, Perspective From Carbon Reduction Model	Dr. Ching Seong Tan	85
212	20 Aug 2022 10.00am - 12.00pm	E2TD	Technical Visit	Kebun Koperasi Kebuniti Selangor Berhad	NIL	13

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
213	23 Aug 2022 9.30am - 1.30pm	ICTSIG	Technical Visit	ZTE Corporation Malaysia Sdn. Bhd.	NIL	12
214	23 Aug 2022 9.00am - 1.00pm	E2TD	Technical Visit	Gruppe Lighting Solution Sdn. Bhd.	NIL	25
215	23 Aug 2022 10.00am - 12.00pm	MaTD	Webinar Talk	Smart Material for Sustained Drug Delivery	Ir. Dr. Teow Yeit Haan	27
216	23 Aug 2022 3.00pm - 5.00pm	METD	Webinar Talk	Insights of a Black Box - the Flight Data Recorder	Ts. Dr. Ravintran Mariappan	45
217	23-24 Aug 2022 9.00am - 5.00pm	PMTD	Virtual Course	Hazard Identification, Risk Assessment And Control (HIRAC) In Engineering Project	Assoc. Prof. Dr. Abd Rahman Abd Rahim	27
218	24 Aug 2022 9.00am - 1.30pm	EETD	Virtual Seminar	Smartgen Generators and ATS Controller and Cloud Monitoring Systems	Mr. Ritesh Lutchman	30
219	24 Aug 2022 9.00am - 5.30pm	WRTD	Physical Course	Planning and Design Processes for Agricultural Irrigation and Drainage (PADDY)	Dato' Ir. Loh Kim Mon & Ir. Shah Izzni Talif	17
220	25 Aug 2022 2.00pm - 4.00pm	CESIG	Webinar Talk	Asset Performance Management (APM) - The Issues, Concerns, Resistance and How to Overcome Them	Ts. Ir. S. Vignaeswaran Shanmuganathan	63
221	25 Aug 2022 2.00pm - 4.00pm	METD	Webinar Talk	Automotive Product Design and Development – “Bumper System”	Ir. Sukhairul	60
222	26 Aug 2022 2.00pm - 4.00pm	METD	Webinar Talk	Industrial Automation Series: AI for Mechanical Engineering	Ir. Dr. Sami Salama Hussen Hajjaj	60
223	27 Aug 2022 9.00am - 1.00pm	PMTD	Virtual Half Day Course	Planning and Execute Industrial Energy Audit Project	Ir. Noor Iziddin Abdullah bin Ghazali	29
224	27 Aug 2022 9.00am - 11.00am	ICTSIG	Virtual Class	Online ICTSIG Digital Class - Introduction to Node JS - Part 2	Ir. Daniel Pu Chuan Hsian	27
225	27 Aug 2022 11.00am - 1.00pm	HTETD	Webinar Talk	Architectural Consideration for Access Arrangement for Retail, High-Rise and Mixed Development	Dato' Ar Cheah Kah Lip	132
226	27 Aug 2022 9.00am - 11.00am	YES	Webinar Talk	Career Path Design Webinar Series: Route to Professional Engineer - Chemical And Process Industries (CPI) In Malaysia	Ir. Juares Rizal bin Abdul Hamid	30
227	30 Aug 2022 2.30pm - 4.30pm	METD	Webinar Talk	Engineer Roles: Controlling Noise Hazard in Industry using an Engineering Approach	Dr. Ts. Nor Azali Azmir	85
228	30 Aug 2022 9.00am - 1.00pm	METD	Technical Visit	Kuala Lumpur Air Traffic Control Centre (KLATCC)	NIL	20
229	30 Aug 2022 9.00am - 5.00pm	E2TD	Competition	Integrated Design Project Short Video Competition 2022	NIL	40
230	1 Sep 2022 3.00pm - 5.00pm	PMTD	Webinar Talk	Human Centred Design	Assoc. Prof. Dr. Abd Rahman Abd Rahim	53
231	3 Sep 2022 9.00am - 5.00pm	PMTD	Physical Course	Scheduling With Microsoft Project - Practical Fundamentals	Ir. Faizal bin Abullah Sanusi	15
232	3 Sep 2022 2.00pm - 5.00pm	MNATD	Competition	Student Research e-Poster Competition 2022 - Finale	NIL	25
233	3 Sep 2022 11.00am-12.00pm	YES	Webinar Talk	Leadership in VUCA World: Malaysian Perspective	Y.Bhg. First Admiral Dato' Ir. Hj. Ahmad Murad bin Hj Omar	40
234	3 Sep 2022 8.30am - 11.30am	HTETD	Physical	Hiking to Gunung Hijau Pusing, Perak	NIL	4
235	6 Sep 2022 8.00am - 3.00pm	METD	Technical Visit	Malaysia Airports (Sepang) Sdn Bhd - KLIA 2 Baggage Handling Conveyor System and Operation Room	NIL	15
236	6 Sep 2022 9.00am - 5.00pm	PMTD	Virtual Course	Project Scheduling using Project Libre	Ir. Assoc. Prof. Dr. Abang Annuar Ehsan	10
237	6-7 Sep 2022 8.30am - 5.30pm	SC on EC	Physical Course	Malaysian Civil Engineering Standard Method of Measurement (MyCESMM2)	Ir. Shahul Ikram	9
238	8 Sep 2022 10.00am - 12.30pm	CSETD	Technical Visit	Gamuda IBS, Banting	NIL	30
239	8-9 Sep 2022 9.00am - 5.00pm	PMTD	Virtual Course	Project Management for New Product development (NDP)	Assoc. Prof. Dr. Abd. Rahman Abd. Rahim	16
240	10 Sep 2022 9.00am - 11.00am	OGMTD	Webinar Talk	Continuing Career Development (Professional) in Oil, Gas & Mining Industry	Various Speaker	44
241	10 Sep 2022 9.00am - 11.00am	PMTD	Webinar Talk	PMBOK 7 th Edition: From Managing the Processes to Managing with Principles	Mr. David Khaw	73
242	10 Sep 2022 11.30am - 1.00pm	EETD	Webinar Talk	Moving to the Cloud: Benefits and Risks	Ts. Dr. Chin Ji Jian	87
243	12 Sep 2022 9.00am - 1.00pm	METD	Technical Visit	Carrier International Sdn. Bhd., Bangi	NIL	15
244	15 Sep 2022 4.00pm - 6.00pm	TUSTD	Webinar Talk	Geomechanical Correlation of Subsurface Deformation Induced by Tunnel Excavation for KVMRT, Malaysia	Ir. Dr. Hj. Ahmad Shukri bin Hj. Abd. Rashid	150
245	15 Sep 2022 5.00pm - 7.00pm	ICTSIG	Webinar Talk	Open-Source Software For Businesses – Advance Cashiering System	Mr. L.C. Chen	28

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
246	20 Sep 2022 6.45am - 2.30pm	OGMTD	Technical Visit	Selinsing Gold Mine Manager Sdn. Bhd.	NIL	16
247	20 Sep 2022 7.30am - 2.00pm	HTETD	Technical Visit	UEM Edgenta Pavement Research Centre (PRC)	NIL	9
248	20 Sep 2022 9.00am - 5.00pm	EETD	Physical Course	ELV Cabling Application in Smart Buildings	Various Speaker	40
249	22 Sep 2022 10.00am - 2.00pm	SESIG	Technical Visit	Engineering Safety Best Practices Behind World-Class Amusement Parks - Genting Skyworld Theme Park	NIL	27
250	22 Sep 2022 2.00pm - 4.00pm	METD	Webinar Talk	Preventive Maintenance Model using Building Condition Assessment in Reducing User Complaints	Ir. Dr. Noor Nabilah Sarbini	70
251	22 Sep 2022 5.00pm - 7.00pm	OGMTD/WE	Webinar Talk	Reservoir Engineering - What we do	Ms. Glenda Chang	70
252	24 Sep 2022 9.00am - 5.00pm	PMTD	Virtual Course	Project Risk Management	Ir. Faizal bin Abullah Sanusi	22
253	24 Sep 2022 9.00am - 4.45pm	HTETD	Physical Seminar	Introduction to Road Engineering	Various Speaker	Cancelled
254	24 Sep 2022 9.00am - 11.00am	METD	Webinar Talk	IOT and Digital Transformation	Ir. Dr. Alvin Yap Chee Wai	
255	24 Sep 2022 10.00am - 12.00pm	HTETD	Webinar Talk	Impact of Travel Information on Traveler Behavior in Malaysia	Ir. Prof. Dr. Khoo Hooi Ling & Ir. Dr. Ashita	61
256	24 Sep 2022 11.00am - 1.00pm	CESIG	Physical Talk	Why Intellectual Property (IP) is important to Engineers and why Malaysia needs it to kick start the economy	Ir. Vigneaswaran & Mr. Mohan	30
257	24 Sep 2022 9.00am - 11.00am	YES	Webinar Talk	Introduction to Geosynthetics	Ir. Lau Joe Jiunn	60
258	26 Sep 2022 9.00am - 5.00pm	EETD	Physical Seminar	Energy Conservation using Solar Energy Storage for Electric Vehicle Charging System	Various Speaker	69
259	27 Sep 2022 10.00am - 12.00pm	E2TD	Physical Talk	Ceramah Penilaian Course Assessment Report (CAR)	Ir. Dr. Balamurugan A. Gurunathan	50
260	29 Sep 2022 3.30pm - 5.30pm	HTETD	Webinar Talk	Innovative Cost Effective Long Span Bridge Design And Technology	Various Speaker	183
261	29 Sep 2022 3.00pm - 5.00pm	E2TD	Webinar Talk	Forum on Industry Empowerment Series: Illuminating our nation with solar lightings: An Inevitable Journey	Various Speaker	123
262	30 Sep 2022 9.00am - 1.00pm	EETD	Technical Visit	Huawei	NIL	15
263	1 Oct 2022 11.30 am - 1.00 pm	UEDSIG	Webinar Talk	After Thought of A Climate Change Case: Impact of EL NIÑO on Oil Palm Yield in Malaysia	Dr. Ling Lloyd	70
264	1 Oct 2022 9.00am - 11.00am	CETD	Annual General Meeting	36 th Annual General Meeting of Chemical Engineering Technical Division (CETD AGM)	NIL	67
265	1 Oct 2022 9.00am - 11.00am	AFETD	Webinar Talk	Recent Experience on Precision Farming for Oil Palms	Dr. Chen Zi Yan	80
266	1 Oct 2022 10.00am - 12.00pm	EETD & IEMTA	Webinar Talk	Introduction & Path to Become Registered Electrical Energy Manager (REEM)	Ir. Francis Xavier Jacob	38
267	1 Oct 2022 9.00am - 1.00 pm	BSTD	Technical Visit	KONE Training Centre "Digital Experience (DX) Tour to KONE Elevator (M) Sdn. Bhd. KONE Academy"	NIL	22
268	5 Oct 2022 3.00pm - 5.00pm	MNATD	Webinar Talk	Introduction to Missiles and Combat Systems in RMN	Lt. Cdr. Ir. Ts. Mohd Faisal bin Mohd Razali	96
269	5 Oct 2022 5.30pm - 7.30pm	GETD	Physical Talk	Ground Improvement Solutions (Vibro Stone Columns, Soil Mixing and Drilling & Grouting) - Execution, Quality Control & Case Studies	Dr. Chen Zi Yan	38
270	5 Oct 2022 8.00am - 5.00pm	E2TD	Physical Course	Bengkel Pengisian Template Course Assessment Report (CAR) dan Programme Assessment Report (PAR)	Ir. Dr. Balamurugan A. Gurunathan	40
271	6 Oct 2022 9.00am - 5:30pm	EETD	Physical Course	Innovation Day: Accelerating & Sustainability Through Innovation	Various Speaker	200
272	8 Oct 2022 9.00am - 1.00pm	PMTD	Virtual Course	Life Cycle Cost on Green Project	Ir. Noor Iziddin Abdullah bin Ghazali	40
273	11 Oct 2022 9.30am - 1.00pm	HTETD	Technical Visit	Malaysian Highway Authority	NIL	12
274	12 Oct 2022 11.00am - 1.00pm	CSETD	Webinar Talk	Structural Analysis, Design and Detailing using Digital Technology	Ir. Wong Sik Kwang, Mr. Raymond Chow & Mr. Hong Ming	228
275	13 Oct 2022 11.00am - 1.00pm	SSIG	Technical Visit	Malaysia Transformer Manufacturing Sdn. Bhd.	NIL	21
276	15 Oct 2022 9.00am - 11.00am	MaTD	Annual General Meeting	Material Engineering Technical Division (MaTD AGM)	NIL	41
277	15 Oct 2022 11.30am - 1.30pm	UEDSIG	Webinar Talk	Housing Affordability in Malaysia – From the Developer's Perspective	Ts. Dr. Foo Chee Hung	48

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
278	17 Oct 2022 9.00am - 5.00pm	GETD	Physical Course	Recent Developments in Soft Soil Improvement Methods (In conjunction with GEESS2022)	Prof. Chu Jian	60
279	18 Oct 2022 9.00am - 5.00pm	E2TD	Physical Workshop	Classroom Experience Workshop for government secondary schools	Ir. Zainon Sharmila & Ir. Ainon Shakila	50
280	18 Oct 2022 9.00am - 5.00pm	GETD	Symposium	Practical Applications Of Ground Engineering For Embankments On Soft Soils, 2022 (GEESS2022)	Various Speakers	200
281	19 Oct 2022 10.00am - 2.00pm	ENETD	Technical Visit	Environmental Preservation Techniques Adopted In The East Coast Rail Link (ECRL) Project	NIL	8
282	20 Oct 2022 10.00am - 12.00pm	CESIG	Webinar Talk	Integrated Power Circuit Breakers With Energy & Asset Management Capabilities	Various Speakers	50
283	20 Oct 2022 12.00pm - 5.30pm	METD	Technical Visit	UMW Aerospace Sdn. Bhd.	NIL	20
284	21 Oct 2022 1.30pm - 5.30pm	ENETD	Technical Visit	Factory In The Forest	NIL	14
285	22 Oct 2022 9.00am - 11.00am	MNATD	Webinar Talk	HSE for Marine Professionals	Ir. Prof. Dr. Ab. Saman bin Abd. Kader	65
286	22 Oct 2022 10.00am - 12.00pm	MaTD	Annual General Meeting	2 nd Annual General Meeting of the Material Engineering Technical Division (MaTD)	NIL	40
287	26 Oct 2022 9.00am - 1.00pm	EETD	Virtual Seminar	Power Factor Capacitor and Reactor Bank	Mr. Ritesh Lutchman	20
288	26 Oct 2022 3.00pm - 5.00pm	ENETD	Webinar Talk	Energy Transition: How Sustainability Helped Shaping Towards Cleaner Energy Journey For Oil and Gas Industry	Ir. Ts. Fazli Rahim	101
289	27 Oct 2022 9.00am - 5.00pm	HTETD	Physical Course	Blackspot Treatments, Road Design, TMP and Road Safety Audit (RSA)	Ir. Richard Wong Chuen Fun	8
290	27 Oct 2022 9.00am - 1.00pm	BSTD	Physical Course	A Quick Guide to BEM Profesional Competency Examination for Air-Conditioning and Mechanical Ventilation System	Ir. Ng Yong Kong	19
291	27 Oct 2022 9.00am - 1.00pm	METD	Technical Visit	Carrier International Sdn. Bhd., Bangi	NIL	20
292	27 Oct 2022 2.00pm - 4.00pm	METD	Webinar Talk	Development of Computer Aided Design (CAE) Applications; Past, Present and Future	Mr. Chan Yin Chau	80
293	28 Oct 2022 9.00am - 1.00pm	EETD	Physical Course	Surge Protection - Specifications And Safe Practices	Mr. Phillip Tompson	60
294	29 Oct 2022 10.00am - 12.00pm	EETD & IEMTA	Webinar Talk	Introduction & Path to Become Registered Electrical Energy Manager (REEM)	Ir. Chong Chew Fan	35
295	29 Oct 2022 9.00am - 11.00am	METD	Annual General Meeting	METD 37 th Annual General Meeting	NIL	80
296	31 Oct 2022 9.00am - 6.00pm	BSTD	Physical Course	Transmission Line Design & Construction Overview	Various Speaker	38
297	2-3 Nov 2022 9.00am - 5.00pm	PMTD	Webinar Talk	Project and Engineering Asset Maintenance Management	Assoc. Prof. Abd. Rahman Abd. Rahim	22
298	3 Nov 2022 5.00pm - 7.00pm	TUSTD	Webinar Talk	Rectangular Pipe Jacking Machine For Underground Pedestrian Linkway Construction	Mr. Lu Wei	137
299	3 Nov 2022 5.30pm - 7.30pm	ENETD	Physical Talk	How Smart Inverter Works in the Solar Photovoltaic (PV) System?	Mr. Ng Siew Chun	18
300	5 Nov 2022 9.00am - 11.00am	HTETD	Annual General Meeting	31 st Annual General Meeting of the Highway and Transportation Engineering Technical Division (HTETD), IEM	NIL	69
301	5 Nov 2022 10.00am - 12.00pm	eETD	Webinar Talk	Path to Become Registered Electrical Energy Manager	Mr. Mohamad Faiz Mohd Yusoff	55
302	5 Nov 2022 11.30am - 1.30pm	AFETD	Annual General Meeting	24 th Annual General Meeting of the Agricultural and Food Engineering Technical Division, IEM	NIL	63
303	7-11 Nov 2022 9.00am - 5.00pm	EETD & IEMTA	Virtual Course	5-Day IEM Energy Manager Training Course (EMTC) #4 Series - A Preparation Course for Registration as a Registered Electrical Energy Manager (REEM) with Suruhanjaya Tenaga	Various Speakers	14
304	8 Nov 2022 9.00am - 12.00pm	SSIG	Technical Visit	TNB National Load Despatch Centre	NIL	20
305	8-9 Nov 2022 9.00am - 6.00pm	CSETD	Physical Course	Introduction of MS EN 1991-2 and MS EN 1992-2 and Related Eurocodes In Bridge Design and Construction	Ir. Teh Tzyy Wooi	259
306	9 Nov 2022 9.00am - 5.00pm	EETD	Physical Course	Critical Power Requirements For Data Center Applications	Various Speakers	60
307	10 Nov 2022 9.00am - 1.30pm	TUSTD	Virtual Course	Tunnelling Challenges in Built-Up Environment with Simplified Approach for Complex Assessment	Dr. Oscar Sigl	46
308	11 Nov 2022 9.00am - 5.00pm	GETD	Virtual Course	The IEM-CIE-HKIE Tripartite Seminar 2022 on "Resilient And Sustainable Solutions For Geotechnical Engineering" - Physical Platform	Various Speakers	66

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
309	12 Nov 2022 9.00am - 11.00am	OGMTD	Webinar Talk	Challenges in Long Onshore Pipeline Crossing: A Case Study from Selat Lumut Crossing	Mr. M. Asmadi bin Mohamad & Mr. Ahmad Fareodzollah bin Abd. Malik	111
310	12 Nov 2022 10.00am - 11.30am	METD	Webinar Talk	Aircraft Stealth Technology: The Origin, Concept and its Ability	Mr. Ricky Liew	65
311	12 Nov 2022 11.00am - 1.00pm	ICTSIG	Physical Class	Getting Started with Node-RED	Ir. Lee Mun Poh	8
312	12 Nov 2022 9.00am - 5.00pm	PMTD	Virtual Course	Managing Low Carbon Program Under Energy Efficiency Projects	Ir. Noor Iziddin Abdullah bin Ghazali	36
313	15 Nov 2022 9.00am - 1.30pm	TUSTD	Physical Workshop	Design and Construction Sepervision of Bored Tunneling Projects	Er. David Khaw	17
314	15 Nov 2022 3.00pm - 5.00pm	PMTD	Webinar Talk	Roles & Responsibility of BIM Manager in Public Project	Assoc. Prof. Dr. Ahmad Tarmizi Haron	150
315	16 Nov 2022 11.00am - 1.00pm	SESIG	Webinar Talk	Safe Mobility For Malaysians: What Are The Challenges?	Assoc. Prof. Dr. Munzilah Md. Rohani	117
316	16 Nov 2022 3.00pm - 5.00pm	SESIG	Webinar Talk	Encounters and Challenges of a Factory Manager on Safety Perspective	Ir. Gary Lim Eng Hwa	68
317	16 Nov 2022 5.00pm - 7.00pm	GETD	Webinar Talk	Full-Scale Consolidation Test on Ultrasoft Soil Improved by PVD in Mae Moh Mine, Thailand	Dr. Ngo Huy Dong	138
318	22 Nov 2022 5.00pm - 7.00pm	GETD	Physical Talk	Design and Impact Of Underground Construction in Cities	Mr. John Davies	30
319	22 Nov 2022 8.00pm - 10.00pm	eETD	Webinar Talk	Introduction to Lean Manuafcturing	Assoc. Prof. Dr. Yeap Gik Hong	19
320	24 Nov 2022 9.00am - 1.00pm	METD	Virtual Seminar	Compressor Technology 2022 - Refrigeration & Air-Conditioning	Various Speakers	30
321	24 Nov 2022 9.00am - 1.00pm	E2TD	Competition	HWUM Engineers Without Borders Competition 2022	Various Speakers	75
322	24 Nov 2022 3.00pm - 5.00pm	E2TD	Webinar Talk	Entrepreneurship for Engineering Students or Engineers Toward Sustainability in Decent Work and Economic Growth	Ir. Ts. Sukhairul Nizam bin Abdul Razak	36
323	25 Nov 2022 9.00am - 1.00pm	UEDSIG	Virtual Half Day Seminar	Life Cycle Cost (LCC) For Asset And Facilities	Assoc. Prof. Ir. Dr. Mohd. Fairullazi Ayob & Ir. Dr. Mohamad Adzizulrohimi bin Abd Malek	49
324	26 Nov 2022 9.00am - 11.00am	ICTSIG	Physical Class	Getting Started with Node-RED	Ir. Lee Mun Poh	5
325	26 Nov 2022 9.00am - 1.00pm	CSETD	Physical Seminar	Potential & Challenges of Civil & Structural Engineering Consultancy Practice (Rescheduled from 15 October 2022)	Ir. Tu Yong Eng	22
326	26 Nov 2022 9.00am - 5.00pm	CESIG	Virtual Course	Introduction To Design Of Mechanical Services For Building	Ir. Ts. Mohd Kamal Haziq	40
327	26 Nov 2022 9.30am - 11.30am	METD	Webinar Talk	Food Additives in Food Manufacturing	Ts. Sia SY	50
328	26 Nov 2022 9.00am - 5.00pm	HTETD	Virtual Seminar	Reinforcement Learning: Fundamentals, Algorithms, and Applications (Rescheduled from 19 November 2022)	Prof. Dr. Yau Kok Lim	23
329	29 Nov 2022 10.00am - 12.30pm	EETD & AER	Hybrid	IEC60364: Recent Updates	Various Speakers	50
330	29 Nov 2022 2.00pm - 4.00pm	METD	Webinar Talk	Pemeriksaan Cermat Akhir - Final Careful Inspection Prior to The Opening of Railway Operation	En. Ezri Ezrani	85
331	29 Nov 2022 3.00pm - 5.00pm	CETD	Physical Talk	Optimize Air Compressor Energy Efficiency	Mr. Jonathan Huan	31
332	29 Nov 2022 5.00pm - 7.00pm	YES	Webinar Talk	The Registration of Engineers ACT 1967 (Pathway to Become A PEPC)	Dato' Paduka Ir. (Dr.) Hj. Keizrul bin Abdullah	100
333	30 Nov 2022 8.00pm - 10.00pm	eETD & IEM Penang Branch	Membership Drive	IEM Membership Drive to UITM Permatang Pauh	Ir. Chan Wah Cheong	224
334	1 Dec 2022 9.00am - 6.00pm	CSETD	Physical Seminar	Seismic-Resistant Precast Concrete Structures: An Overview Of Precast Building Connections In Seismic Region, Design Concept And Case Study	Mr. Enrico Nusiner & Mr. Gary Connah	128
335	1 Dec 2022 1.00pm - 4.00pm	SESIG	Virtual Course	Noise Induced Hearing Loss (NIHL) Prevention via Effective Hearing Conservation Programme	Ir. Dr. Jegalakshimi Jewaratnam	19
336	2 Dec 2022 8.00am - 5.30pm	eETD & PMI Malaysia, Penang Institute, Deloittee, Ministry of Human Resources	Conference	PMI Malaysia Northern Conference 2022	Various Speakers	260

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
337	3 Dec 2022 9.00am - 12.30pm	eETD	Technical Visit	Micron Memory malaysia Sdn. Bhd.	NIL	25
338	3 Dec 2022 9.00am - 1.00pm	PMTD	Virtual Half Day Course	Planning Towards 100% Renewable Energy and Energy Storage Projects	Ir. Noor Iziddin Abdullah bin Ghazali	43
339	3 Dec 2022 9.00am - 6.00pm	OGMTD	Virtual Course	Conducting HAZOP Workshop for Engineer	Ir. Dr. Eow John Son	32
340	3 Dec 2022 10.00am - 12.00pm	TAM & eETD	Webinar Talk	Cogeneration: An Effective Solution for Decarbonizing the Energy Sector	Danny Tam Hong Khai	62
341	3-4 Dec 2022 9.00am - 5.00pm	ICTSIG	Competition	IEM Online Robotic Challenge 2022	Ir. Amir Hussien bin Jaafar	477
342	5 Dec 2022 9.00am - 6.30pm	CSETD	Hybrid Workshop	Design of Kuantan 188 and QA/QC of Concrete Construction	Ir. Ong Chaow Chiun & Ir. Dr. Lim Boon Tiong	40
343	6 Dec 2022 2.30pm - 4.30pm	ICTSIG	Webinar Talk	Data Science With R For Engineers	Assoc. Prof. Ts. Dr. Ravie Chandren	36
344	6 Dec 2022 2.00pm - 4.00pm	METD/E2TD	Webinar Talk	Engineering Education: Developing Micro-credentials	Prof. Ir. Eurling Ts. Dr. Vinesh Thiruchelvam	40
345	6 Dec 2022 9.00am - 6.30pm	CSETD	Conference	CONCET2022 - 15 th International Conference on Concrete Engineering and Technology	Various Speakers	75
346	7 Dec 2022 11.00am - 1.00pm	SESIG	Webinar Talk	Industrial Code of Practice on Indoor Air Quality 2010: Responsibility of Building Owner/Management	Ir. Mohd Norhisyam Omar	75
347	7 Dec 2022 5.00pm - 7.00pm	GETD	Webinar Talk	Enhancement of Cast In-Situ Bored Pile Base Cleaning Technique and On-Site Verification	Ir. Leow Chee Sin, Nick	145
348	8 Dec 2022 9.00am - 5.30pm	PMTD	Virtual Course	Ways to Success in Design & Build Contract	Ir. Lai Sze Ching	80
349	10 Dec 2022 9.00am - 11.00am	OGMTD	Annual General Meeting	32 nd Annual General Meeting of the Oil, Gas and Mining Technical Division (OGMTD), IEM	NIL	61
350	10 Dec 2022 11.00am - 1.00pm	OGMTD	Webinar Talk	Energy Efficiency Initiatives in Malaysia	En. Zulkiflee Umar	115
351	10 Dec 2022 11.30am - 1.30pm	PMTD	Webinar Talk	Hillside Development Management & Case Study	Ir. Vincent Wong Khien Ngie	105
352	10 Dec 2022 11.00am - 1.00pm	ICTSIG	Physical Class	Getting Started with Apache-Kafka	Ir. Lee Mun Poh	11
353	13 Dec 2022 9.00am - 5.30pm	SC on EC	Virtual Course	IEM Conditions of Contract Simple Explainer	Ir. Ang Kok Keng	35
354	14 Dec 2022 10.00am - 12.00pm	eETD, MaTD & IEM Penang Branch	Virtual Visit	MIMOS	NIL	57
355	15 Dec 2022 3.00pm - 5.00pm	E2TD	Webinar Talk	Safety Assessment in Construction	En. Syed Hazni bin Abd Gani	75
356	15 Dec 2022 2.00pm - 4.00pm	METD	Webinar Talk	Understanding the Basis Mechanical Service - Air Conditioning and Mechanical Ventilation & Cold Water and Sanitary plumbing System for Healthcare Project in Malaysia	Ir. Susie Wong	58
357	15 Dec 2022 7.30pm - 8.30pm	IEEE, eETD, TAM, IEM & TechDome	Webinar Talk	Distinguished Lecture on 3D Electromigration Modeling for Advanced VLSI	Prof. Tan Cher Ming from Chang Gung University, Taiwan	18
358	15 Dec 2022 9.30am - 5.00pm	FAB,PPC	Virtual Seminar	Update on Fire Suppression Agent	Various Speakers	194
359	16 Dec 2022 3.00pm - 5.00pm	ENETD	Webinar Talk	Digitizing Toward Sustainability in BoTF (Building of The Future)	Mr. Johnathan Yau	72
360	17 Dec 2022 11.00am - 1.00pm	METD	Webinar Talk	Understanding Environmental Noise and Vibration Guidelines in Malaysia	Dr. Hui	53
361	17 Dec 2022 2.00pm - 4.00pm	METD	Webinar Talk	Emergence of Small Satellite Industry and The Impacts on Space Sustainability	Ts. Uma Shangery Aruldass	25
362	17 Dec 2022 10.30am - 12.30pm	Sc on EC	Webinar Talk	Legal Procedure for Construction Contracts Administrators	Ir. Lim Eng Chong & Ms. Leong Yin Wei	87
363	19 Dec 2022 8.30am - 5.30pm	Sc on EC	Physical Course	Malaysian Civil Engineering Standard Method of Measurement (MyCESMM2)	Ir. Shahul Ikram	5
364	20 Dec 2022 9.00am - 1.00pm	MNATD	Technical Visit	Tractors Malaysia - Marine Segment	NIL	15
365	20 Dec 2022 3.00pm - 5.00pm	PSESIG	Webinar Talk	National Construction Policy (NCP) 2030: Digitalising Construction Sector	Y.Bhg. Dato' Wira Wan Ahmad Uzir bin Hj. Wan Sulaiman	153
366	20 Dec 2022 9.00am - 1.00pm	WE/METD	Technical Visit	MRT 2 HKL Station	NIL	22
367	22 Dec 2022 9.00am - 1.00pm	SSIG	Virtual Seminar	Project Management for Automotive Engineering "Toward A Sustainable Future (Rescheduled from 03 November 2022)	Ir. Sukhairul	23

No.	Date & Time	TD/SIG/SEC + Others	Nature	Title	Speaker(s)	No. of Pax
368	29 Dec 2022 4.00pm - 6.00pm	CETD	Webinar Talk	Flow Assurance 101	Pn. Zalina Ali	36

**THE INSTITUTION OF ENGINEERS, MALAYSIA
HONORARY INTERNAL AUDITOR'S REPORT
ACCOUNTS FOR THE YEAR ENDED 31 DECEMBER 2022**

I have examined the Balance Sheet as at 31 December 2022, the Income and Expenditure Account together with Notes on the Accounts set out on pages 172 to 203, 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. Toh Chin Kok, Steven
Honorary Internal Auditor



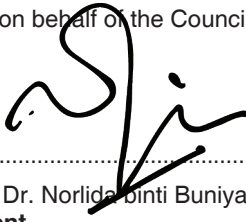
Ir. Assoc. Prof. Dr. David Chuah Joon Huang
Honorary Internal Auditor

**THE INSTITUTION OF ENGINEERS, MALAYSIA
REPORTS AND FINANCIAL STATEMENTS
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022**

STATEMENT BY COUNCIL

In the opinion of the council, the financial statements set out on pages 172 to 203 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 2022 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. Prof. Dr. Norlidia binti Buniyamin
President



Ir. Dr. Lee Yun Fook
Hon Treasurer

Petaling Jaya
Date: 7 March 2023

STATUTORY DECLARATION

I, Ir. Dr. Lee Yun Fook (I/C No.: 801221-13-5575), 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 172 to 203 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 7 March 2023



Ir. Dr. Lee Yun Fook

Before me,



COMMISSIONER FOR OATHS
5 Damansara Shopping Mall
3, Jalan SS20/27
47400 Petaling Jaya 171
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 2022 of the Group and of the Institution, and the statement of income and expenditure, statement of changes in capital and reserve 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 172 to 203.

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 2022, 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.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the financial statements of the Group. We are responsible for the direction, supervision and performance of the group audit. We remain solely responsible for our audit opinion.

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 2021 were audited by a firm of chartered accountants other than TNL Partners PLT, whose report dated 21 March 2022, express an unmodified opinion on those 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.



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TNL PARTNERS PLT
Registration No. 202006000023
(LLP0024736-LCA) (AF002388)
Chartered Accountants

Petaling Jaya
Dated: 7 March 2023



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Ng Leong Teck
03168/12/2023 J
Chartered Accountant

STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2022

	Note	Group		Institution	
		2022 RM	2021 RM	2022 RM	2021 RM
ASSET					
NON-CURRENT ASSETS					
Property, plant and equipment	4	11,796,183	14,686,187	11,783,658	14,648,268
Investment properties	5	-	3,345,128	-	3,345,128
Investment in subsidiaries	6	-	-	200,000	200,000
Deferred tax asset	7	698,983	706,537	-	-
Goodwill on consolidation		65,588	65,588	-	-
		12,560,754	18,803,440	11,983,658	18,193,396
CURRENT ASSETS					
Receivables	8	2,101,068	2,063,152	1,907,734	1,646,177
Deposits, cash and bank balances	9	8,647,721	8,007,733	6,234,883	5,785,929
		10,748,789	10,070,885	8,142,617	7,432,106
TOTAL ASSETS		23,309,543	28,874,325	20,126,275	25,625,502
EQUITY AND LIABILITIES					
EQUITY					
Accumulated fund	10	9,298,094	10,094,080	6,737,176	7,548,284
Capital reserve fund	11	-	3,630,888	-	3,630,888
Capital contribution reserve	12	4,619,575	4,463,115	4,619,575	4,463,115
Activities fund	13	67,331	67,331	67,331	67,331
Library fund	14	722,699	733,768	722,699	733,768
Building fund	15	3,657,209	3,684,555	3,657,209	3,684,555
Stem fund	16	40,653	32,802	40,653	32,802
TOTAL EQUITY		18,405,561	22,706,539	15,844,643	20,160,743
NON-CURRENT LIABILITIES					
Term loans	17	-	981,080	-	981,080
		-	981,080	-	981,080
CURRENT LIABILITIES					
Payables	18	4,434,844	4,752,691	4,281,632	4,372,781
Bank overdraft	19	-	5,252	-	5,252
Term loans	17	-	105,646	-	105,646
Provision for tax		469,138	323,117	-	-
		4,903,982	5,186,706	4,281,632	4,483,679
TOTAL LIABILITIES		4,903,982	6,167,786	4,281,632	5,464,759
TOTAL EQUITY AND LIABILITIES		23,309,543	28,874,325	20,126,275	25,625,502

STATEMENT OF INCOME AND EXPENDITURE FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022

	Note	Group		Institution	
		2022 RM	2021 RM	2022 RM	2021 RM
INCOME					
Members' subscription fees		3,083,661	3,232,114	3,083,661	3,232,114
Training and registration fees		488,512	153,085	-	-
Interest income		85,780	91,468	65,712	43,108
Membership reinstatement fees		47,100	25,505	47,100	25,505
Miscellaneous income:					
- Credit cards commission		74,792	58,976	74,792	58,976
- Insurance commission		23,186	-	23,186	-
- Arbitration levy		-	6,963	-	6,963
- Others		238,727	18,549	226,904	94,515
		4,041,758	3,586,660	3,521,355	3,461,181
LESS: EXPENDITURE					
Cost for courses		110,191	92,555	-	-
Personnel emoluments and benefits	20	2,774,592	2,667,646	2,548,931	2,253,370
Administrative expenses	21	569,764	841,729	491,701	561,219
Branch subsidies	22	431,586	571,920	431,586	571,920
Inter-society activities	23	22,762	20,912	22,762	20,912
Subscription in arrears written off		218,255	219,428	218,255	219,428
Depreciation of plant and equipment		115,490	80,766	90,096	45,682
		(4,242,640)	(4,494,956)	(3,803,331)	(3,672,531)
(DEFICIT) / SURPLUS					
Deficit from core institution		(200,882)	(908,296)	(281,976)	(211,350)
Surplus from institutional services	24	696,010	785,512	696,010	785,512
Operational surplus / (deficit)		495,128	(122,784)	414,034	574,162
Deficit from rental income	25	(66,568)	(216,018)	(18,568)	(216,018)
Surplus / (deficit) before tax		428,560	(338,802)	395,466	358,144
Income tax expense	26	(17,972)	24,432	-	-
Total surplus / (deficit) for the financial year		410,588	(314,370)	395,466	358,144

STATEMENT OF CHANGES IN CAPITAL AND RESERVES FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022

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 2020	10,463,762	3,630,888	4,413,414	67,331	765,898	3,653,633	26,975	23,021,901
Deficit for the financial year	(314,370)	-	-	-	-	-	-	(314,370)
Entrance and transfer fees	-	-	49,701	-	-	-	-	49,701
Transfer of funds	(55,312)	-	-	-	(32,130)	30,922	5,827	(50,693)
As at 31 December 2021	10,094,080	3,630,888	4,463,115	67,331	733,768	3,684,555	32,802	22,706,539
Surplus for the financial year	410,588	-	-	-	-	-	-	410,588
Overtaken of depreciation in prior years	-	776,195	-	-	-	-	-	776,195
Collection/(expenses) during the year	-	-	-	-	(11,069)	(27,346)	7,851	(30,564)
Entrance and transfer fees	-	-	102,964	-	-	-	-	102,964
Transfer of funds	(1,206,574)	(4,407,083)	53,496	-	-	-	-	(5,560,161)
As at 31 December 2022	9,298,094	-	4,619,575	67,331	722,699	3,657,209	40,653	18,405,561

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 2020	7,245,452	3,630,888	4,413,414	67,331	765,898	3,653,633	26,975	19,803,591
Surplus for the financial year	358,144	-	-	-	-	-	-	358,144
Entrance and transfer fees	-	-	49,701	-	-	-	-	49,701
Transfer of funds	(55,312)	-	-	-	(32,130)	30,922	5,827	(50,693)
As at 31 December 2021	7,548,284	3,630,888	4,463,115	67,331	733,768	3,684,555	32,802	20,160,743
Surplus for the financial year	395,466	-	-	-	-	-	-	395,466
Overtaken of depreciation in prior years	-	776,195	-	-	-	-	-	776,195
Collection/(expenses) during the year	-	-	-	-	(11,069)	(27,346)	7,851	(30,564)
Entrance and transfer fees	-	-	102,964	-	-	-	-	102,964
Transfer of funds	(1,206,574)	(4,407,083)	53,496	-	-	-	-	(5,560,161)
As at 31 December 2022	6,737,176	-	4,619,575	67,331	722,699	3,657,209	40,653	15,844,643

STATEMENT OF CASH FLOWS FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022

	Note	Group		Institution	
		2022 RM	2021 RM	2022 RM	2021 RM
CASH FLOWS FROM OPERATING ACTIVITIES					
Total surplus / (deficit) and other contributions (deficit) / received before tax		428,560	(338,802)	395,466	358,144
Adjustments for:					
Bad debts written off		-	74,175	-	-
Depreciation					
- property, plant and equipment		550,251	514,727	524,857	479,643
- investment properties		76,931	77,731	76,931	77,731
Gain on disposal of property, plant and equipment		-	(10,520)	-	-
Property, plant and equipment written off		-	97,105	-	-
Reversal of impairment loss		-	7,250	-	-
SST charged out		(4,625)	-	-	-
Subscription in arrears written off		218,255	219,428	218,255	219,428
Interest income		(85,781)	(91,468)	(65,713)	(43,108)
Interest expense		60,295	62,190	60,295	62,190
Operating surplus before working capital changes		1,243,886	611,816	1,210,091	1,154,028
(Increase) / decrease in receivables		(269,367)	87,414	(287,745)	145,402
Increase in subscription in arrears		(191,947)	(222,630)	(191,947)	(222,630)
(Decrease) / increase in payables		(1,082,157)	595,406	(859,175)	358,538
Increase / (decrease) in subscription in advances		768,935	(61,030)	768,935	(61,030)
Cash generated from operations		469,350	1,010,976	640,159	1,374,308
Interest received		2,147	2,527	2,147	2,527
Tax refund		151,995	-	-	-
Tax paid		(16,392)	(48,651)	-	-
Net cash generated from operating activities		607,100	964,852	642,306	1,376,835
CASH FLOWS FROM INVESTING ACTIVITIES					
Purchases of property, plant and equipment	4	(27,729)	(17,469)	(27,729)	(7,490)
Proceeds from disposal of plant and equipment		-	10,917	-	-
Utilisation of capital reserve fund		(129,299)	(50,693)	(129,299)	(50,693)
Entrance and transfer fees capitalised		102,964	49,701	102,964	49,701
Expenses charged from funds		(30,564)	-	(30,564)	-
Net cash used in financing activities		(84,628)	(7,544)	(84,628)	(8,482)
CASH FLOWS FROM FINANCING ACTIVITIES					
Repayment to term loans		(105,714)	(102,271)	(105,714)	(102,271)
Term loans interest		(60,295)	(62,190)	(60,295)	(62,190)
Changes in bank overdraft		(5,252)	(97,123)	(5,252)	(97,123)
Fixed deposits interest		83,634	88,941	63,566	40,581
Changes in fixed deposits		(1,550,139)	(72,180)	(1,829,126)	(188,419)
Changes in deferred revenue		-	(143,326)	-	-
Advances to a related company		-	(89,431)	-	-
Advances from a related company		205,143	-	-	-
Advances to a subsidiary		-	-	(120)	-
Repayment from subsidiary		-	-	(909)	5,012
Net cash used in financing activities		(1,432,623)	(477,580)	(1,937,850)	(404,410)
Net (decrease) / increase in cash and cash equivalents		(910,151)	479,728	(1,380,172)	963,943
Cash and cash equivalents at beginning of the financial year		4,668,116	4,188,388	4,213,105	3,249,162
Cash and cash equivalents at end of the financial year	9	3,757,965	4,668,116	2,832,933	4,213,105

NOTES TO THE FINANCIAL STATEMENTS FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022**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 have 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 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.

No depreciation charge has been provided for website development.

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% - 10%
Office equipment	10% - 20%
Library software	10%
Building renovation	5% - 20%
Lift	10%

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 1.1.2022 RM	Additions RM	Reclassification RM	As at 31.12.2022 RM
GROUP COST				
Freehold land	330,279	-	(96,000)	234,279
Freehold buildings	1,991,999	-	(1,991,999)	-
Leasehold land and buildings	15,775,761	-	(666,774)	15,108,987
Furniture and fittings	334,203	2,180	-	336,383
Office equipment	689,225	25,549	-	714,774
Library software	42,077	-	-	42,077
Building renovation	1,724,995	-	-	1,724,995
Lift	231,650	-	-	231,650
	21,120,189	27,729	(2,754,773)	18,393,145

	As at 1.1.2022 RM	Depreciation charge for the year RM	Reclassification RM	As at 31.12.2022 RM
GROUP ACCUMULATED DEPRECIATION				
Freehold land	-	-	-	-
Freehold buildings	201,000	39,840	(240,840)	-
Leasehold land and buildings	4,716,967	316,315	(146,451)	4,886,831
Furniture and fittings	142,662	26,018	-	168,680
Office equipment	401,212	66,831	-	468,043
Library software	33,659	4,208	-	37,867
Building renovation	706,852	97,039	-	803,891
Lift	231,650	-	-	231,650
	6,434,002	550,251	(387,291)	6,596,962

	Group	
	2022 RM	2021 RM
GROUP CARRYING AMOUNTS		
Freehold land	234,279	330,279
Freehold buildings	-	1,790,999
Leasehold land and buildings	10,222,156	11,058,794
Furniture and fittings	167,703	191,541
Office equipment	246,731	288,013
Library software	4,210	8,418
Building renovation	921,104	1,018,143
Lift	-	-
	11,796,183	14,686,187

- (i) As at 31 December 2022, the document of title in respect of properties with an aggregate carrying amount of RM395,167 (2021: RM366,806) has yet to be issued by the authorities.
- (ii) Included in leasehold land and buildings are assets with a total carrying amount of RM395,167 (2021: RM579,606) which have been pledged to licensed banks as security for term loan facilities granted to the Institution as disclosed in Notes 17 and 19 to the financial statements.
- (iii) During the financial year, the Group purchased plant and equipment amounting to RM27,729 (2021: RM17,469) by cash.
- (iv) Depreciation charge of the Group for the previous financial year was RM514,727.

(v) Fully depreciated property, plant and equipment which are still in use are as follows:

	Group	
	2022 RM	2021 RM
GROUP COST		
Leasehold land and buildings	-	76,931
Furniture and fittings	16,093	16,093
Office equipment	71,845	63,270
Building renovation	149,757	33,266
Lift	231,650	231,650
	469,345	421,210

	As at 1.1.2022 RM	Additions RM	Reclassification RM	As at 31.12.2022 RM
INSTITUTION COST				
Freehold land	330,279	-	(96,000)	234,279
Freehold buildings	1,991,999	-	(1,991,999)	-
Leasehold land and buildings	15,775,761	-	(666,774)	15,108,987
Furniture and fittings	323,539	2,180	-	325,719
Office equipment	657,382	25,549	-	682,931
Library software	42,077	-	-	42,077
Building renovation	1,605,384	-	-	1,605,384
Lift	231,650	-	-	231,650
	20,958,071	27,729	(2,754,773)	18,231,027

	As at 1.1.2022 RM	Depreciation charge for the year RM	Reclassification RM	As at 31.12.2022 RM
INSTITUTION ACCUMULATED DEPRECIATION				
Freehold land	-	-	-	-
Freehold buildings	201,000	39,840	(240,840)	-
Leasehold land and buildings	4,716,967	316,315	(146,451)	4,886,831
Furniture and fittings	138,004	24,952	-	162,956
Office equipment	381,352	60,936	-	442,288
Library software	33,659	4,208	-	37,867
Building renovation	607,171	78,606	-	685,777
Lift	231,650	-	-	231,650
	6,309,803	524,857	(387,291)	6,447,369

	Institution	
	2022 RM	2021 RM
INSTITUTION CARRYING AMOUNTS		
Freehold land	234,279	330,279
Freehold buildings	-	1,790,999
Leasehold land and buildings	10,222,156	11,058,794
Furniture and fittings	162,763	185,535
Office equipment	240,643	276,030
Library software	4,210	8,418
Building renovation	919,607	998,213
Lift	-	-
	11,783,658	14,648,268

(i) As at 31 December 2022, the document of title in respect of properties with an aggregate carrying amount of RM395,167 (2021: RM366,806) has yet to be issued by the authorities.

- (ii) During the financial year, the institution has transferred land and buildings to the respective branches:

	Institution	
	2022 RM	2021 RM
INSTITUTION CARRYING AMOUNTS		
Freehold land	96,000	-
Freehold buildings	1,751,159	-
Leasehold land and buildings	520,323	-
	2,367,482	

- (iii) Included in property, plant and equipment is leasehold land and buildings with a total carrying amount of RM395,167 (2021: RM579,606) which have been pledged to licensed banks as security for term loan facilities granted to the Institution as disclosed in Notes 17 and 19 to the financial statements.
- (iv) During the financial year, the Institution purchased plant and equipment amounting to RM27,729 (2021: RM7,490) by cash.
- (v) Depreciation charge of the Institution for the previous financial year was RM479,643.
- (vi) Fully depreciated property, plant and equipment which are still in use are as follows:

	Institution	
	2022 RM	2021 RM
INSTITUTION COST		
Leasehold land and buildings	-	76,931
Furniture and fittings	16,093	16,093
Office equipment	63,270	63,270
Building renovation	33,266	33,266
Lift	231,650	231,650
	344,279	421,210

5. INVESTMENT PROPERTIES

	Group and Institution	
	2022 RM	2021 RM
Leasehold land and buildings - at cost		
At beginning of the financial year	3,886,559	3,886,559
Reclassification	(3,886,559)	-
At end of the financial year	-	3,886,559
Accumulated depreciation		
At beginning of the financial year	541,431	463,700
Depreciation charge for the financial year	76,931	77,731
Reclassification	(618,362)	-
At end of the financial year	-	541,431
Carrying amount		
At end of the financial year	-	3,345,128

- (i) Investment properties is carried at cost as the Institution does not engage an independent valuer because undue cost may be required.
- (ii) Included in investment properties is leasehold land and buildings with a total carrying amount of RM3,345,128 which have been pledged to licensed banks as security for term loan facilities granted to the Institution as disclosed in Notes 17 and 19 to the financial statements in the previous financial year.
- (iii) During the financial year, the institution has transferred investment properties with total carrying amount of RM3,268,197 to the respective branches.

6. INVESTMENT IN SUBSIDIARIES

	Institution	
	2022 RM	2021 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
		2022	2021	
IEM Training Academy Sdn. Bhd.	Malaysia	100	100	Organising conferences, seminars and trainings
IEM Academy Sdn. Bhd.	Malaysia	100	100	Provide competency and certification training programmes

7. DEFERRED TAX ASSET

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
At beginning of the financial year	706,537	930,231	-	-
Amount recognised in income and expenditure (Note 26)	(7,554)	(223,694)	-	-
At end of the financial year	698,983	706,537	-	-

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	
	2022 RM	2021 RM	2022 RM	2021 RM
Unabsorbed tax losses	1,168,934	705,680	471,112	-
Unutilised capital allowances	3,375	2,554	-	-
Other temporary differences	(100,383)	(1,697)	(98,169)	-
	1,071,926	706,537	372,943	-

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	
	2022 RM	2021 RM	2022 RM	2021 RM
Other receivables	1,541,458	1,177,900	1,439,715	994,918
Less: Accumulated impairment losses	(58,498)	(58,498)	(58,498)	(58,498)
	1,482,960	1,119,402	1,381,217	936,420
Trade receivables	64,461	-	-	-
Subscription in arrears	411,580	437,888	411,580	437,888
Deposits	90,742	92,342	63,492	63,492
Prepayments	51,325	208,377	51,325	208,377
Amount due by a related company	-	205,143	-	-
Amount due by a subsidiary	-	-	120	-
	2,101,068	2,063,152	1,907,734	1,646,177

The movement of accumulated impairment losses are as follow:

As beginning of the financial year	58,498	65,748	58,498	58,498
Less: Reversal of impairment losses	-	(7,250)	-	-
As end of the financial year	58,498	58,498	58,498	58,498

The normal trade credit terms granted to the customers is 30 days. Other cases are assessed and approved on a case-by-case basis.

As at 31 December 2022, trade receivables of RM48,721 (2021: RM16,684) were past due but not impaired. These relate to there is no recent history of default.

Other receivables are unsecured, interest-free and are receivable on demand.

The amount due by a related company represents unsecured, interest-free and repayable on demand and it represents advances.

The amount due by a subsidiary represents unsecured, interest-free and repayable on demand and it represents advances.

9. DEPOSITS, CASH AND BANK BALANCES

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
Maturities more than 3 months	4,889,756	3,339,617	3,401,950	1,572,824
Maturities less than 3 months	710,609	1,492,270	659,484	1,211,752
Fixed deposits with license banks	5,600,365	4,831,887	4,061,434	2,784,576
Cash in hand	3,177	3,177	3,177	3,177
Cash at banks	3,044,179	3,172,669	2,170,272	2,998,176
	8,647,721	8,007,733	6,234,883	5,785,929

The effective interest rate of the fixed deposit ranges from 1.50% to 2.85% (2021: 1.50% to 2.85%) per annum. The maturity of deposits as at the end of the financial year was between 1 month to 12 months (2021: 1 month to 12 months).

For the purpose of statement of cash flows, cash and cash equivalents comprise:

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
Fixed deposits with licensed banks with maturities less than 3 months	710,609	1,492,270	659,484	1,211,752
Cash and bank balances	3,047,356	3,175,846	2,173,449	3,001,353
	3,757,965	4,668,116	2,832,933	4,213,105

10. ACCUMULATED FUND

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
At beginning of the financial year	10,094,080	10,463,762	7,548,284	7,245,452
Surplus / (deficit) for the financial year	410,588	(314,370)	395,466	358,144
	10,504,668	10,149,392	7,943,750	7,603,596
TRANSFER FROM / (TO):				
- Capital reserve fund	-	(55,312)	-	(50,693)
- RP special account	(4,186)	-	(4,186)	-
- Library fund	-	-	-	32,130
- Building fund	-	-	-	(30,922)
- Stem fund	-	-	-	(5,827)
- Contribution - Perak	99,207	-	99,207	-
- Contribution - Penang	(1,508,595)	-	(1,508,595)	-
- Contribution - Sabah	207,000	-	207,000	-
	(1,206,574)	(55,312)	(1,206,574)	(55,312)
At end of the financial year	9,298,094	10,094,080	6,737,176	7,548,284

11. CAPITAL RESERVE FUND

	Group and Institution	
	2022 RM	2021 RM
At beginning of the financial year	3,630,888	3,630,888
Overtaken of depreciation for properties in prior years	776,195	-
TRANSFER TO:-		
- Miri branch	(107,000)	-
- Perak branch	(211,256)	-
- Penang branch	(185,000)	-
- Sabah branch	(3,439,067)	-
- Terengganu branch	(464,760)	-
	(4,407,083)	-
At end of the financial year	-	3,630,888

12. CAPITAL CONTRIBUTION RESERVE

	Group and Institution	
	2022 RM	2021 RM
At beginning of the financial year	4,463,115	4,413,414
Entrance and transfer fees	102,964	49,701
Transfer from other branches	53,496	-
At end of the financial year	4,619,575	4,463,115

13. ACTIVITIES FUND

	Group and Institution	
	2022 RM	2021 RM
At beginning of the financial year	67,331	67,331
Transfer from accumulated fund	-	-
At end of the financial year	67,331	67,331

14. LIBRARY FUND

	Group and Institution	
	2022 RM	2021 RM
At beginning of the financial year	733,768	765,898
Transfer from accumulated fund	-	(32,130)
Collection during the financial year	21,265	-
Expenses during the financial year	(32,334)	-
At end of the financial year	722,699	733,768

15. BUILDING FUND

	Group and Institution	
	2022 RM	2021 RM
At beginning of the financial year	3,684,555	3,653,633
Transfer from accumulated fund	-	30,922
Collection during the financial year	85,737	-
Expenses during the financial year	(113,083)	-
At end of the financial year	3,657,209	3,684,555

16. STEM FUND

	Group and Institution	
	2022 RM	2021 RM
At beginning of the financial year	32,802	26,975
Transfer from accumulated fund	-	5,827
Collection during the financial year	7,851	-
At end of the financial year	40,653	32,802

17. TERM LOANS

	Group and Institution	
	2022 RM	2021 RM
CURRENT		
Repayable within one year	-	105,646
NON-CURRENT		
Repayable between one to two years	-	111,576
Repayable between two to five years	-	373,766
Repayable more than five years	-	495,738
	-	981,080
Total term loans	-	1,086,726

Details of the repayment terms are as follows:

Term Loan	Monthly Installment RM	Number of Monthly Installment	Date of Commencement of Repayment	2022 RM	2021 RM
1	1,217	240	January 2010	-	145,957
2	13,357	180	September 2014	-	940,769
				-	1,086,726

The term loans are secured by way of fixed charges over Institution's properties (Note 5), and bear interest rates range from 5.10% to 6.67% (2021: 4.00% to 5.76%) per annum.

During the financial year, the institution was transferred term loans to its respective branches which in line to transferred investment properties as disclosed in Note 5.

18. PAYABLES

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
Subscription in advance	2,694,120	1,925,185	2,694,120	1,925,185
Trade payables	-	105,934	-	-
Other payables	290,551	1,990,909	296,620	1,930,167
Accruals	472,492	266,827	313,211	257,827
Deposit received	272,366	217,366	272,366	217,366
Advance payment received	-	5,600	-	5,600
Amount due to a related party	-	205,143	-	-
Amount due to IEM Education Fund	705,315	35,727	705,315	35,727
Amount due to subsidiaries	-	-	-	909
	4,434,844	4,752,691	4,281,632	4,372,781

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
Amount due to IEM Education Fund	829,865	160,277	829,865	160,277
Less: Amortised cost adjustment	(124,550)	(124,550)	(124,550)	(124,550)
	705,315	35,727	705,315	35,727

The movement of amortised cost adjustment are as follow:

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
At beginning / end of the financial year	124,550	124,550	124,550	124,550

19. BANK OVERDRAFT

	Group and Institution	
	2022 RM	2021 RM
Secured	-	5,252

The bank borrowings are is secured by way of:

Fixed charges over Institution's properties (Note 5), and

The bank overdraft bear interest rate range at 1.00% (2021: 1.00%) per annum.

20. PERSONNEL EMOLUMENTS AND BENEFITS

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
THESE REPRESENT EXPENSES INCURRED IN RELATION TO:				
Salaries and wages	2,338,111	2,240,839	2,199,837	1,934,657
Staff allowance and ex-gratia	293,342	214,587	293,342	214,587
Overtime	36,699	13,822	36,699	13,822
EPF and Socso contributions	360,117	331,638	343,017	285,495
Medical expenses	6,717	8,184	6,281	7,420
Retrenchment cost	-	47,187	-	-
Staff insurance	35,801	13,003	35,801	13,003
Staff training	1,551	-	800	-
Long service award	1,500	1,500	1,500	1,500
Staff Incentive	7,633	10,357	7,633	10,357
Staff reimbursement	1,200	1,200	1,200	1,200
Secretarial management services	(308,079)	(142,671)	(377,179)	(156,671)
Perkeso subsidy	-	(72,000)	-	(72,000)
	2,774,592	2,667,646	2,548,931	2,253,370

21. ADMINISTRATIVE EXPENSES

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
THESE REPRESENT EXPENSES INCURRED IN RELATION TO:				
Advertisement	756	4,200	756	-
Auditors' remuneration	35,300	37,000	28,000	28,000
Annual general meeting	2,180	1,797	2,180	1,797
Annual report	4,949	-	4,949	-
Attestation charges	48	-	48	-
Bad debts written off	-	74,175	-	-
Bank charges	18,229	24,282	17,270	23,556
Balloting expenses	9,962	-	9,962	-
Credit card charges	53,363	40,146	52,721	40,146
Donation	438	5,531	438	5,146
Entertainment	-	5,000	-	-
Filing fee	503	-	-	-
Fine and penalty	1,977	557	1,205	505
GST expense	(4,625)	2,729	-	-

Insurance	19,101	24,520	12,416	15,456
Impairment of loss on receivables	-	58,553	-	58,553
License fee	1,000	1,050	-	-
Lucky draw expenses	6,947	5,480	6,947	5,480
Mailing services	6,176	2,265	6,176	2,265
Maintenance	-	8,082	-	-
Miscellaneous	9,509	15,570	-	-
Online payment	-	(833)	-	-
Overdraft charges	461	18,253	461	18,253
Office printing and stationery	35,394	29,662	29,627	23,860
Office equipment maintenance	14,155	-	14,155	8,082
Office expenses	86,539	92,647	81,804	91,111
Processing fee	168	1,101	-	-
Professional, legal fee and tax service fees	9,434	36,596	3,498	29,998
Postages and courier	14,257	14,756	13,152	13,748
Property, plant and equipment written off	-	97,105	-	-
Rental of office equipment	38,900	33,700	38,900	33,700
Refreshment	1,137	44	-	-
Secretaries fee	13,388	17,590	-	-
Secretariat fee	-	1,808	-	-
Service fee	3,010	2,209	-	1,852
Stamp duty	235	100	145	60
SST expenses	3,068	1,776	2,434	-
Subscription fee	7,209	5,666	6,489	4,747
Telephone, fax and internet	41,898	51,652	38,264	45,233
Training	-	513	-	-
Transport and travelling	35,359	28,732	34,941	28,048
Utilities	5,104	8,302	-	-
Upkeep expenses	9,197	7,227	-	-
Website maintenance	85,038	82,186	84,763	81,623
	569,764	841,729	491,701	561,219

The number of full time employees of the Group and of the Institution (excluding council members) as at the end of the financial year were 43 and 41 (2021: 44 and 42) respectively.

22. BRANCH SUBSIDIES

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT SUBSIDIES GIVEN TO THE FOLLOWING BRANCHES:		
Negeri Sembilan branch	22,300	29,693
Southern branch	42,288	64,520
Perak branch	30,095	43,721
Penang branch	31,324	46,800
Malacca branch	13,728	20,970
Sarawak branch	63,835	95,541
Sabah branch	41,563	59,094
Miri branch	9,678	13,524
Kedah / Perlis branch	19,781	27,073
Kelantan branch	8,299	13,517
Terengganu branch	10,394	13,923
Pahang branch	12,301	17,544
Subsidy for branch secretariat	126,000	126,000
	431,586	571,920

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	
	2022 RM	2021 RM
THESE REPRESENT SUBSCRIPTIONS INCURRED IN RELATION TO:		
Balai Ikhtisas Malaysia (BIM)	1,500	1,500
World Federation of Engineering Organisation (WFEO)	13,057	13,716
ASEAN Federation of Engineering Organisation (AFEO)	893	811
Federation of Engineering Institutions of Asia and the Pacific (FEIAP)	3,497	3,311
Building Management Association of Malaysia (BMAM)	500	500
Malaysia Green Building Confederation (MGBC)	159	239
Eastern Regional Organization for Planning and Human Settlements (EAROPH)	316	305
SIRIM	530	-
SIRIM Technical Library	1,500	530
The Confederation of Scientific and Technological Associations (COSTAM)	200	-
Universiti Teknologi Malaysia KL Library (UTM KL)	610	-
	22,762	20,912

24. SURPLUS FROM INSTITUTIONAL SERVICES

	Note	Group		Institution	
		2022 RM	2021 RM	2022 RM	2021 RM
THESE REPRESENT INCOME FROM THE FOLLOWING:					
Council		(22,708)	(4,758)	(22,708)	(4,758)
Executive committee		(17,805)	2,999	(17,805)	2,999
Standing committee on:					
- Activities committee	27	131,458	216,382	131,458	216,382
- Admissions and practical training committee	28	30,469	74,531	30,469	74,531
- Examinations and qualifications committee	29	(16,898)	(34,765)	(16,898)	(34,765)
- Finance		(3,830)	(5,159)	(3,830)	(5,159)
- Professional practice		40,995	24,353	40,995	24,353
- Information and publications committee	30	74,734	85,470	74,734	85,470
- Welfare and service matters committee	31	13,584	59,188	13,584	59,188
- Corporate affairs committee	32	(74,687)	849	(74,687)	849
Technical divisions	33	570,377	343,461	570,377	343,461
Library committee		(192)	(5,874)	(192)	(5,874)
Young Engineers Section	34	(11,679)	45,517	(11,679)	45,517
Awards committee		(11,022)	(3,631)	(11,022)	(3,631)
Woman Engineers Section		(11,756)	(13,192)	(11,756)	(13,192)
Ad Hoc Committee		4,970	141	4,970	141
		696,010	785,512	696,010	785,512

25. DEFICIT FROM RENTAL INCOME

	Note	Group		Institution	
		2022 RM	2021 RM	2022 RM	2021 RM
RENTAL INCOME:					
- Bangunan Ingenieur		194,799	181,247	194,799	181,247
- Wisma IEM		279,502	307,594	327,502	307,594
- Sabah Training Centre		303,600	303,600	303,600	303,600
		777,901	792,441	825,901	792,441
LESS EXPENDITURE:					
- Bangunan Ingenieur	35	278,167	205,405	278,167	205,405
- Wisma IEM	36	180,274	185,672	180,274	185,672
- Sabah Training Centre	37	43,500	43,500	43,500	43,500
- Depreciation					
- property, plant and equipment		434,761	433,961	434,761	433,961
- investment properties		76,931	77,731	76,931	77,731
- overprovision in prior financial years		(229,459)	-	(229,459)	-
- Finance cost		60,295	62,190	60,295	62,190
		(844,469)	(1,008,459)	(844,469)	(1,008,459)
		(66,568)	(216,018)	(18,568)	(216,018)

26. INCOME TAX EXPENSE

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
Current year tax provision	10,418	-	-	-
Over provision in previous year	-	(248,126)	-	-
Deferred tax (Note 7)	7,554	223,694	-	-
	17,972	(24,432)	-	-

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	
	2022 RM	2021 RM	2022 RM	2021 RM
Surplus / (deficit) before tax	428,560	(338,802)	395,466	358,144
Tax at Malaysian Statutory income tax rate of 24% (2021: 24%)	102,854	(81,312)	94,912	85,955
Non-taxable income	-	(2,286)	-	-
Expenses not deductible for tax	137,846	37,982	135,370	-
Deferred tax expense arising from origination and reversal of temporary differences not recognised during the financial year	-	269,310	-	(85,955)
Utilisation of tax losses previously not recognized	(230,282)	-	(230,282)	-
Deferred tax	7,554	-	-	-
Under provision in previous years	-	(248,126)	-	-
Tax expense for the financial year	17,972	(24,432)	-	-

27. **ACTIVITIES COMMITTEE**

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT SURPLUS FROM THE FOLLOWING:		
Annual dinner	(58,282)	(15,539)
Event organising - BEM	24,393	-
Souvenir	10,794	935
Seminar / courses / materials	(2,725)	(45)
Technical talks	164,777	226,770
Others	(7,499)	4,261
	131,458	216,382

28. **ADMISSIONS AND PRACTICAL TRAINING COMMITTEE**

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT SURPLUS FROM THE FOLLOWING:		
Meeting	(150)	-
Membership drive	(6,877)	(3,005)
CPD income	54,900	65,400
CPD expenses	(17,175)	(10,747)
ECD workshop/course	7,821	13,302
Share of AER life membership	5,900	2,330
Course on structured training	2,772	11,111
Incentive for university	(10,110)	-
Others	(6,612)	(3,860)
	30,469	74,531

29. **EXAMINATIONS AND QUALIFICATIONS COMMITTEE**

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT DEFICIT FROM THE FOLLOWING:		
Professional interview fee	147,000	40,550
Professional interviewers' fee	(148,215)	(85,298)
PI workshop	(2,378)	11,268
Meeting	(1,407)	(378)
Other expenses	(11,898)	(907)
	(16,898)	(34,765)

30. **INFORMATION AND PUBLICATIONS COMMITTEE**

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT SURPLUS FROM THE FOLLOWING:		
Advertisements in bulletin	84,000	84,000
Library photo stating	174	-
Meeting	(450)	(30)
Others	(8,990)	1,500
	74,734	85,470

31. WELFARE AND SERVICE MATTERS COMMITTEE

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT SURPLUS FROM THE FOLLOWING:		
Benevolent income	10,935	15,031
Engineering run	-	(11,600)
Other income	7,999	283
Meeting	(603)	2
Professional insurance indemnity	-	54,001
Prize for SPM / STPM achievers	(1,400)	300
Miscellaneous	-	1,097
IEM Family Day	-	74
Talks/Forum/Workshop	(3,347)	-
	13,584	59,188

32. CORPORATE AFFAIRS COMMITTEE

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT (DEFICIT) / SURPLUS FROM THE FOLLOWING:		
AER NMC Chair	(4,306)	-
Public relation	(7,403)	1,085
Overseas visitors	(2,666)	-
Local social functions	(19,972)	-
International – President	(30,474)	-
SE Asia conference	(8,405)	-
Others	(1,461)	(236)
	(74,687)	849

33. TECHNICAL DIVISIONS

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT SURPLUS FROM THE FOLLOWING:		
Geotechnical Engineering Technical Division	40,483	21,523
Chemical Engineering Technical Division	120,930	12,082
Project Management Technical Division	75,077	49,554
Building Services Technical Division	10,479	21,737
Mechanical Engineering Technical Division	(1,249)	56,530
Civil and Structural Engineering Technical Division	112,174	48,180
Electrical Engineering Technical Division	74,435	86,562
Water Resources Technical Division	15,587	2,358
Oil & Gas and Mining Technical Division	2,157	13,255
Environmental Engineering Technical Division	12,901	943
Highway and Transportation Engineering Technical Division	16,789	17,688
Engineering Education Technical Division	3,279	1,011
Information & Communications Technology Special Interest Group	7,265	(2,981)
Agricultural and Food Engineering Technical Division	1,594	3,652
Tunneling and Underground Space Technical Division	3,461	(8,325)
Electronic Engineering Technical Division	(7,000)	(7,000)
Marine Engineering & Naval Architecture Technical Division	45,608	7,328
Public Sector Engineers Special Interest Group	3,474	2,494
Consulting Engineers Special Interest Group	19,520	13,087
Urban Engineering Development Special Interest Group	4,089	4,952
Seniors Special Interest Group	3,046	189
Safety in Engineering Special Interest Group	6,906	-
Material Engineering Technical Division	(628)	(1,358)
	570,377	343,461

34. YOUNG ENGINEERS SECTION

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT EXPENSES INCURRED IN RELATION TO:		
Income		
- Courses, seminar and other activities	69,550	61,413
Less: Expenditure		
- Others	(81,229)	(15,896)
	(11,679)	45,517

35. BANGUNAN INGENIEUR

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT EXPENSES INCURRED IN RELATION TO:		
License fee	770	695
Quit rent and assessment	26,089	25,149
Insurance	3,250	3,366
Building repairs and maintenance	89,048	33,796
Building security	75,730	78,679
Utilities	83,280	63,720
	278,167	205,405

36. WISMA IEM

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT EXPENSES INCURRED IN RELATION TO:		
Quit rent and assessment	24,368	24,348
Insurance	11,938	11,938
Building repairs and maintenance	-	6,426
Building security	113,594	118,017
Utilities	30,374	24,543
Fire fighting	-	400
	180,274	185,672

37. SABAH TRAINING CENTRE

	Group and Institution	
	2022 RM	2021 RM
THESE REPRESENT EXPENSES INCURRED IN RELATION TO:		
Building repairs and maintenance	43,500	43,500

38. FINANCIAL INSTRUMENTS

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
FINANCIAL ASSETS				
Financial assets that are debt instruments measured at amortised cost	10,697,464	9,862,508	8,091,292	7,223,729
FINANCIAL LIABILITIES				
Financial liabilities measured at amortised cost	4,370,078	5,844,669	4,281,632	5,464,759

Net gain and losses arising from financial instruments

	Group		Institution	
	2022 RM	2021 RM	2022 RM	2021 RM
NET (LOSSES) / GAIN ARISING FROM:				
Financial asset at amortised cost				
Bad debts written off	-	74,175	-	-
Interest income	(85,781)	(91,468)	(65,713)	(43,108)
	(85,781)	(17,293)	(65,713)	(43,108)
Financial liabilities at amortised cost				
Subscription in arrears written off	218,255	219,428	218,255	219,428
Interest expense	60,295	62,190	60,295	62,190
	278,550	281,618	278,550	281,618
	192,769	264,325	212,837	238,510

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	
	2022 RM	2021 RM	2022 RM	2021 RM
As Lessee				
Within one year	48,000	60,000	-	-
Between two to five years	40,000	40,000	-	-
	88,000	100,000	-	-
As Lessor				
Within one year	556,707	695,585	556,707	785,585
Between two to five years	-	515,955	-	583,455
	556,707	1,211,540	556,707	1,369,040

40. COMPARATIVE FIGURES

The comparative figures for the financial year ended 31 December 2021 were audited by a firm of chartered accountants other than TNL Partners PLT.

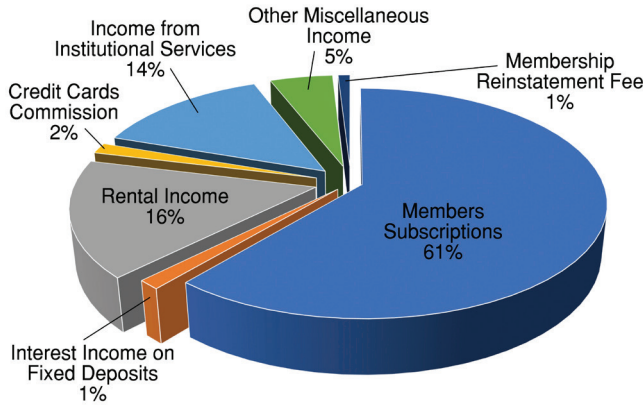
Certain comparative figures have been reclassified to conform with current year's presentation.

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 7 March 2023.

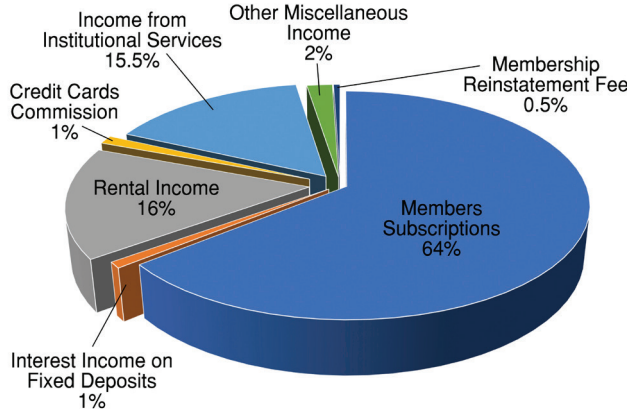
PIE CHARTS

INCOME FOR THE YEAR 2022 TOTAL INCOME - RM 5,043,266



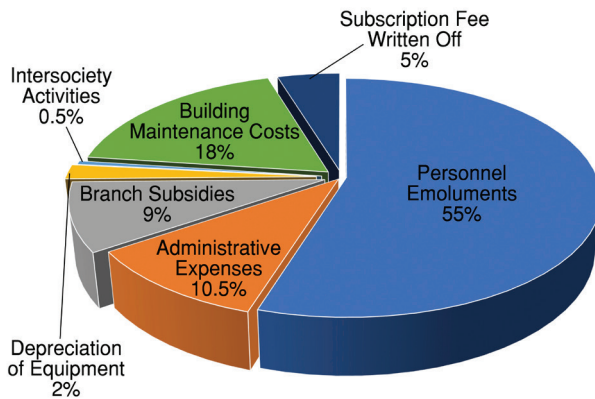
Members Subscriptions	3,083,661
Interest Income on Fixed Deposits	65,712
Credit Cards Commission	74,792
Income from Institutional Services	696,010
Rental Income	825,901
Other Miscellaneous Income	250,090
Membership Reinstatement Fee	47,100

INCOME FOR THE YEAR 2021 TOTAL INCOME - RM 5,039,134



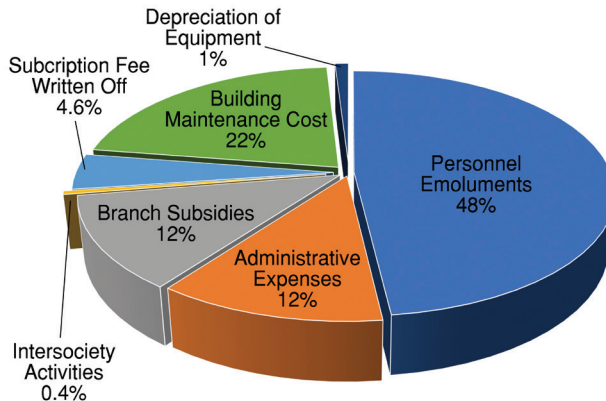
Members Subscriptions	3,232,114
Interest Income on Fixed Deposits	43,108
Credit Cards Commission	58,976
Income from Institutional Services	785,512
Rental Income	792,441
Other Miscellaneous Income	101,478
Membership Reinstatement Fee	25,505

EXPENSES FOR THE YEAR 2022 TOTAL EXPENSES - RM 4,647,800



Personnel Emoluments	2,548,931
Administrative Expenses	491,701
Branch Subsidies	431,586
Building Maintenance Costs	844,469
Subscription Fee Written off	218,255
Depreciation of Equipment	90,096
Intersociety Activities	22,762

EXPENSES FOR THE YEAR 2021 TOTAL EXPENSES - RM 4,680,990



Personnel Emoluments	2,253,370
Administrative Expenses	561,219
Branch Subsidies	571,920
Building Maintenance Costs	1,008,459
Subscription Fee Written off	219,428
Depreciation of Equipment	45,682
Intersociety Activities	20,912

IEM BRANCHES
STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2022

	PENANG BRANCH		SABAH BRANCH		PERAK BRANCH		N.SEMBILAN BRANCH		MIRI BRANCH		T'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	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	
ASSETS																														
NON-CURRENT ASSETS																														
Property, Plant and Equipment	115,272	3,897,768	19,589	6,354	19,589	6,354	19,589	6,354	40,756	40,756	-	36,825	36,825	3,465	3,465	2,390	2,390	1,446,013	1,446,013	11,783,658	200,000	200,000	11,983,658	17,352,090	11,783,658	11,983,658	17,552,090	17,352,090		
Investment Properties	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Investment in Subsidiaries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CURRENT ASSETS																														
Receivables	13,836	58,725	6,443	2,050	6,443	2,050	6,443	2,050	2,656	2,656	-	321,554	321,554	-	-	1,500	1,500	9,030	9,030	1,907,734	-	-	1,907,734	2,823,528	1,907,734	1,907,734	2,823,528	2,823,528		
Deposit, Cash and Bank Balances	662,851	513,949	117,104	162,839	117,104	162,839	162,839	73,142	73,142	73,142	35,052	5,316	5,316	108,805	108,805	26,075	26,075	1,265,378	1,265,378	6,234,883	-	-	6,234,883	9,283,479	6,234,883	6,234,883	9,283,479	9,283,479		
Contribution to Property	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tax Recoverable	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL ASSETS	676,687	572,675	123,547	164,889	123,547	164,889	164,889	75,798	75,798	75,798	35,052	326,870	326,870	108,805	108,805	27,575	27,575	1,274,408	1,274,408	8,142,617	20,126,275	20,126,275	29,159,097	11,607,007	8,142,617	20,126,275	29,159,097	11,607,007		
EQUITY AND LIABILITIES																														
EQUITY																														
<i>Finance By:</i>																														
Accumulated Fund	732,557	3,007,828	139,777	167,092	139,777	167,092	167,092	115,453	115,453	115,453	35,052	360,800	360,800	110,750	110,750	26,684	26,684	2,717,621	2,717,621	6,737,176	-	-	6,737,176	14,228,875	6,737,176	6,737,176	14,228,875	14,228,875		
Capital Reserve Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Capital Contribution Reserve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Activities Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Library Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Building Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STEM Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL EQUITY	732,557	3,007,828	139,777	167,092	139,777	167,092	167,092	115,453	115,453	115,453	35,052	360,800	360,800	110,750	110,750	26,684	26,684	2,717,621	2,717,621	6,737,176	-	-	6,737,176	14,228,875	6,737,176	6,737,176	14,228,875	14,228,875		
NON-CURRENT LIABILITIES																														
Payable	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Term Loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CURRENT LIABILITIES																														
Payables	59,402	23,575	3,359	4,152	3,359	4,152	4,152	1,100	1,100	1,100	-	2,895	2,895	1,520	1,520	3,281	3,281	2,800	2,800	4,281,632	-	-	4,281,632	4,383,716	4,281,632	4,281,632	4,383,716	4,383,716		
Amount Due to IEM HQ - Loan	-	1,439,040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Term Loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL LIABILITIES	59,402	1,462,614	3,359	4,152	3,359	4,152	4,152	1,100	1,100	1,100	-	2,895	2,895	1,520	1,520	3,281	3,281	2,800	2,800	4,281,632	-	-	4,281,632	5,822,756	4,281,632	4,281,632	5,822,756	5,822,756		
TOTAL EQUITY AND LIABILITIES	791,959	4,470,443	143,136	171,244	143,136	171,244	171,244	116,553	116,553	116,553	35,052	363,695	363,695	112,270	112,270	29,965	29,965	2,720,421	2,720,421	20,126,275	20,126,275	20,126,275	29,159,097	20,126,275	20,126,275	29,159,097	29,159,097			

	PENANG BRANCH	SABAH BRANCH	PERAK BRANCH	N.SEMBILAN BRANCH	MIRI BRANCH	T'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
INCOME / REVENUE														
Subsidy from IEM HQ	49,324	166,019	48,095	31,300	18,678	10,394	60,288	8,299	28,781	21,301	13,728	81,835	-	538,042
Subsidy from EETD	3,000	-	-	-	-	-	-	-	-	-	-	-	-	3,000
Subsidy received from PERKESO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surplus from Seminar, Conferences and Technical Visit	158,044	133,886	4,770	(1,242)	(3,776)	5,695	20,523	16,795	(3,927)	(1,981)	2,800	13,086	696,010	1,040,683
Surplus from YES National Summit	-	-	-	-	-	-	(702)	-	-	-	-	-	-	(702)
Sponsorship Received	9,319	-	-	-	37,000	-	-	7,800	-	-	-	-	-	54,119
Rental Income	-	-	10,800	-	-	-	-	-	-	-	-	-	(18,568)	(7,768)
Administration Charges	15,000	-	-	-	-	-	-	-	-	-	-	-	-	15,000
Bank / Fixed Deposit Interest Received	10,449	5,778	-	-	538	-	5,163	-	-	-	-	1,636	-	23,564
Collection for IEM Membership	-	-	-	-	-	-	-	-	-	-	-	-	3,083,661	3,083,661
Collection for BEM Membership Application	-	-	-	-	-	-	-	-	-	(650)	-	-	-	(650)
Collection on IEM Membership Reinstatement fees	-	-	-	-	-	-	-	-	-	-	-	-	47,100	47,100
Miscellaneous Income	271,962	-	(6,371)	64,189	13,627	-	82,180	130	-	10,002	(70)	81,032	390,594	907,275
Sarawak State Government Allocation	-	-	-	-	-	-	-	-	-	-	-	1,000,000	-	1,000,000
TOTAL INCOME	517,098	305,682	57,294	94,247	66,067	16,089	167,452	33,024	24,854	28,672	16,458	1,177,589	4,198,797	6,703,323
LESS: ADMINISTRATION AND OPERATING EXPENSES														
Administrative Expenses	(146,057)	(158,677)	(84,981)	(15,408)	(32,335)	(9,516)	(54,289)	(9,243)	(12,033)	(6,111)	(2,061)	(93,573)	(491,701)	(1,065,985)
Miscellaneous Expenses	(22,965)	-	(637)	(3,580)	(8,110)	(13,884)	(8,422)	(6,614)	(225)	(4,307)	(7,082)	(1,530)	(331,113)	(408,489)
Personnel Emoluments	(134,826)	(178,417)	(36,568)	(30,740)	(23,438)	-	(116,588)	(4,744)	(18,494)	(10,800)	(7,700)	(116,874)	(2,548,931)	(3,228,120)
Branch Subsidies	-	-	-	-	-	-	-	-	-	-	-	-	(431,586)	(431,586)
TOTAL EXPENSES / (DEFICIT) FOR THE YEAR AFTER TAX	(303,869)	(337,094)	(72,196)	(49,729)	(63,885)	(23,400)	(179,299)	(20,600)	(30,752)	(21,218)	(16,843)	(211,977)	(3,803,331)	(5,134,180)
	213,229	(31,411)	(14,892)	44,518	2,184	(7,311)	(11,847)	12,424	(5,898)	7,454	(385)	965,612	395,466	1,569,144

**IEM EDUCATION FUND
HONORARY INTERNAL AUDITOR'S REPORT
ACCOUNTS FOR THE YEAR ENDED 31 DECEMBER 2022**

I have examined the Balance Sheet as at 31 December 2022, the Income and Expenditure Account together with Notes on the Accounts set out on pages 205 to 212, 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. Toh Chin Kok, Steven
Honorary Internal Auditor



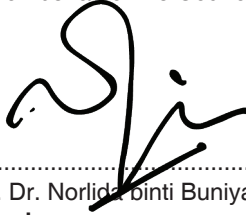
Ir. Assoc. Prof. Dr. David Chuah Joon Huang
Honorary Internal Auditor

**IEM EDUCATION FUND
STATUTORY FINANCIAL STATEMENTS
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022**

STATEMENT BY COUNCIL

In the opinion of the council, the financial statements set out on pages 205 to 212 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 Institution as at 31 December 2022 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. Prof. Dr. Norlidia binti Buniyamin
President



Ir. Dr. Lee Yun Fook
Hon Treasurer

Petaling Jaya
Date: 7 March 2023

STATUTORY DECLARATION

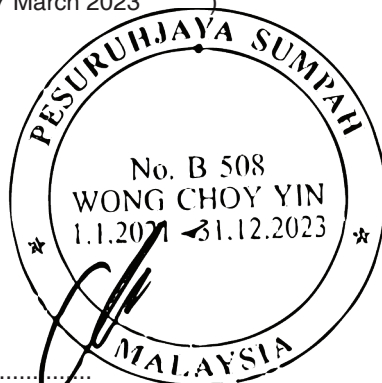
I, Ir. Dr. Lee Yun Fook (I/C No.: 801221-13-5575), the Hon Treasurer primarily responsible for the financial management of The Education Fund of The Institution of Engineers, Malaysia, do solemnly and sincerely declare that the financial statements set out on pages 205 to 212 are, in my opinion, correct 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 7 March 2023)



Ir. Dr. Lee Yun Fook

Before me,



.....
COMMISSIONER FOR OATHS

3 Damansara Shopping Mall
3, Jalan SS20/27
47400 Petaling Jaya
Selangor Darul Ehsan 204

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 2022 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 205 to 212.

In our opinion, the accompanying financial statements give a true and fair view of the financial position of the Institution as at 31 December 2022, 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

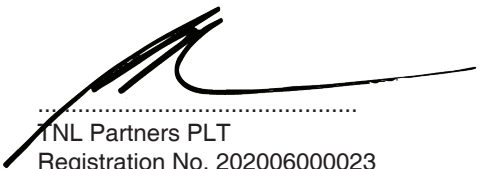
required to draw attention in our auditors' report to the related disclosures in the financial statements of the Institution or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future 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 2021 were audited by a firm of chartered accountants other than TNL Partners PLT, whose report dated 21 March 2022, express an unmodified opinion on these statements.
- (ii) This report is made solely to the members of the Company, as a body, in accordance with Section 266 of the Companies Act, 2016 in Malaysia and for no other purpose. We do not assume responsibility to any other person for the content of this report.



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TNL Partners PLT
Registration No. 202006000023
(LLP0024736-LCA) (AF002388)
Chartered Accountants

Petaling Jaya

Dated: 7 March 2023



.....
Ng Leong Teck
03168/12/2023 J
Chartered Accountant

STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2022

	Note	2022 RM	2021 RM
NON-CURRENT ASSETS			
Receivables	3	705,315	715,713
		705,315	715,713
CURRENT ASSETS			
Deposits and bank balances	4	1,835,241	1,881,493
Tax recoverable		4,585	4,585
		1,839,826	1,886,078
TOTAL ASSETS		2,545,141	2,601,791
FINANCED BY:			
Accumulated fund		2,501,706	2,548,406
CURRENT LIABILITY			
Payables	5	43,435	53,385
TOTAL LIABILITY		43,435	53,385
TOTAL EQUITY AND LIABILITY		2,545,141	2,601,791

**STATEMENT OF INCOME AND EXPENDITURE
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022**

	2022 RM	2021 RM
INCOMES		
Donation received	30,416	35,727
Bank interest	240	437
Fixed deposit interest income	31,034	27,899
	61,690	64,063
LESS: EXPENDITURES		
Amortisation of donation receivable	5,087	-
Attestation charges	51	51
Auditors' remuneration	2,500	2,500
Bank charges	36	20
Courier & postage	32	32
Professional fees and tax services	1,590	1,590
Service tax	150	300
Sponsorship expenses	5,292	5,560
Sponsorship to IEM activities	49,320	19,351
Scholarship	43,875	42,000
Printing & stationery	409	357
Telephone & fax	37	37
Travelling & transport	11	11
	(108,390)	(71,809)
(Deficit) / surplus before tax	(46,700)	(7,746)
Income tax expense	-	-
(Deficit) / surplus for the financial year	(46,700)	(7,746)

**STATEMENT OF CHANGES IN ACCUMULATED FUND
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022**

	Accumulated fund RM
Balance as at 31 December 2020	2,556,152
Deficits for the financial year	(7,746)
Balance as at 31 December 2021	2,548,406
Deficits for the financial year	(46,700)
Balance as at 31 December 2022	2,501,706

**STATEMENT OF CASH FLOWS
FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022**

	Note	2022 RM	2021 RM
CASH FLOWS FROM OPERATING ACTIVITIES			
Deficit before tax		(46,700)	(7,746)
Adjustments for:			
Interest income		(31,274)	(28,336)
Operating deficit before working capital changes		(77,974)	(36,082)
Decrease in receivables		10,398	78,136
Decrease in payables		(9,950)	(49,115)
Cash used in operating activities		(77,526)	(7,061)
Bank interest received		240	437
Net cash used in operating activities		(77,286)	(6,624)
CASH FLOWS FROM INVESTING ACTIVITIES			
Fixed deposit interest received		31,034	27,899
Changes in fixed deposits		(31,034)	(27,899)
Net cash generated from investing activity		-	-
Net decrease in cash and cash equivalents		(77,286)	(6,624)
Cash and cash equivalents at the beginning of the financial year		291,734	298,358
Cash and cash equivalents at end of the financial year	4	214,448	291,734

NOTES TO THE FINANCIAL STATEMENTS FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2022**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 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.

2.2 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.

2.3 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.

2.4 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.

2.5 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.

2.6 INCOME RECOGNITION

i) *Donation received*

Donation is recognised on cash receipt basis.

ii) *Interest income*

Interest income is recognised on accruals basis using the effective interest method.

3. RECEIVABLES

	2022 RM	2021 RM
Other receivables	891,707	897,018
Less: Amortised cost adjustment	(186,392)	(181,305)
	705,315	715,713

The movement of amortised cost adjustment are as follows:

	2022 RM	2021 RM
At beginning of the financial year	181,305	181,305
Recognised during the financial year	5,087	-
At end of the financial year	186,392	181,305

4. DEPOSITS AND BANK BALANCES

	2022 RM	2021 RM
Cash at bank	214,448	291,734
Fixed deposits with licensed banks	1,620,793	1,589,759
Cash and cash equivalents	1,835,241	1,881,493

The fixed deposits with licensed bank at the end of the financial year earned interest at 1.65% to 2.60% (2021: 1.65% to 1.85%) per annum. The maturity of deposits from 6 to 12 months (2021: 6 to 12 months).

For the purpose of statement of cash flows, cash and cash equivalents comprise:

	2022 RM	2021 RM
Cash at bank	214,448	291,734
Fixed deposits with licensed banks	1,620,793	1,589,759
	1,835,241	1,881,493
Less: Fixed deposits with maturity period of more than 3 months	(1,620,793)	(1,589,759)
Cash and cash equivalents	214,448	291,734

5. PAYABLES

	2022 RM	2021 RM
Other payable	40,785	50,735
Accruals	2,650	2,650
	43,435	53,385

6. INCOME TAX EXPENSE

No provision for income tax has been made in 2021 and 2022 as the Company has no chargeable income.

A reconciliation of income tax expense applicable to deficit before tax at the statutory income tax rate to income tax expense at the effective income tax rate of the Company is as follows:

	2022 RM	2021 RM
Deficit before tax	(46,700)	(7,746)
Non-taxable income	(7,939)	(35,727)
Deferred tax expense not recognised during the financial year	7,939	35,727
Tax expense for the financial year	-	-

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.

7. FINANCIAL INSTRUMENTS

	2022 RM	2021 RM
FINANCIAL ASSETS		
Non-trade receivables	705,315	715,713
Fixed deposits with licensed banks	1,620,793	1,589,759
Cash at bank	214,448	291,734
	2,540,556	2,597,206
FINANCIAL LIABILITIES		
Other payables	40,785	50,735
Accruals	2,650	2,650
	43,435	53,385

Net gain and losses arising from financial instruments

	2022 RM	2021 RM
NET LOSSES ARISING FROM: FINANCIAL ASSET AT AMORTISED COST		
Interest income	(31,274)	(28,336)

8. COMPARATIVE FIGURES

The comparative figures for the financial year ended 31 December 2022 were audited by a firm of chartered accountants other than TNL Partners PLT.

9. DATE OF AUTHORISATION OF ISSUE

The financial statements had been authorised for issue on 7 March 2023.

