



2022 Annual Report

IEEE PES Malaysia Chapter



27th ANNUAL GENERAL MEETING
Everly Hotel, Putrajaya
10 February 2023

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NOTICE OF 27th ANNUAL GENERAL MEETING

Dear IEEE PES Members,

The 27th Annual General Meeting (AGM) for IEEE Power & Energy Society (PES) Malaysia Chapter will be held as follows:

Date: 10 February 2023 (Friday)

Time: 2.45pm

Mode: Hybrid

Venue: Everly Hotel, Putrajaya & MS Teams Online

Registration Link: https://bit.ly/PES_AGM2023

Members who are attending the PES AGM must **register online before or by 27th January 2022** for logistic purposes. A door gift will be given to those who attend the PES AGM face-to-face only. Nomination and voting process will be held during the AGM session, and nominees need to be present during the AGM.

The IEEE PES Malaysia Chapter AGM Agenda:

1. To accept the minutes of the 26th Annual General Meeting.
2. To receive the Chair's Report for the 2022 Session.
3. To receive the Treasurer's Report for 2022 Session.
4. Award ceremony for IEEE PES Outstanding Volunteer/Engineer/Student Award.
5. Dissolution of Committee for 2022 Session.
6. Election of Committee for 2023 and appointment of 2 auditors.
7. Address by the PES Malaysia Chapter Chair 2023.
8. Any other business.

We thank you for your continued support and dedication to PES Malaysia. Members need to renew 2023 membership before attending the AGM to be eligible to vote during the AGM. For your convenience, kindly renew your membership at <https://www.ieee.org>.

Thank you.

Yours sincerely,

Hazlie Mokhlis,
PhD, SMIEEE
Chair, IEEE PES Malaysia Chapter 2022

27TH ANNUAL GENERAL MEETING PROGRAM OF THE DAY

1415 Registration
1445 IEEE PES AGM
1630 Tea Break & Networking

Agenda:

1. To accept the minutes of the 26th Annual General Meeting.
2. To receive the Chair's Report for the 2022 Session.
3. To receive the Treasurer's Report for 2022 Session.
4. Award ceremony for IEEE PES Outstanding Volunteer/Engineer/Student Award.
5. Dissolution of Committee for 2022 Session.
6. Election of Committee for 2023 and appointment of 2 auditors.
7. Address by the PES Malaysia Chapter Chair 2023.
8. Any other business.

**MINUTES OF MEETING
26TH ANNUAL GENERAL MEETING
12 FEBRUARY 2022
KUALA LUMPUR CONVENTION CENTRE**

LIST OF ATTENDANCE

As in attachment

AGENDA

1. To accept the minutes of the 25th Annual General Meeting.
2. To receive Annual Report for 2021 Session.
3. To receive Treasurer's Report for 2021 Session.
4. Dissolution of Committee for 2021 Session.
5. Election of Committee for 2022 and appointment of 2 auditors.
6. Address by the PES Malaysia Chapter Chair 2022.
7. Any other business.

MEETING MINUTES

1. Welcoming address by 2021 Chair

Hazlie Mokhlis as the Chair of PES Malaysia welcomed all members to the 26th PES Annual General Meeting.

2. To accept minutes of the 25th Annual General Meeting

The minutes of the 25th PES Annual General Meeting was presented by the Chair and the minutes were proposed to be accepted with amendment by Mohd Zainal Abidin Ab Kadir and seconded by Izhm Zainal Abidin.

3. Annual Report for 2021 Session

The Chair presented the annual report for 2021 as follows:

3.1 Executive Summary

IEEE Power & Energy Society (PES) Malaysia Chapter had completed various activities for the year 2021. The activities include 16 membership drives, 15 technical talks, 8 educational, 2 social, 2 professional, 3 Women in Power (WiP), 8 Humanitarian activities, 3 conferences and 8 administration activities. All activities were attended with good number of participants which include both IEEE members and non-IEEE members. In 2021, IEEE PES Malaysia managed to organize few series of membership drive programs. This is to encourage participants especially for the non-IEEE members to join IEEE and IEEE PES where the benefits of IEEE and IEEE PES has been explained during these programs. Although the world

has been hit by a tragedy due to pandemic COVID-19, this does not weaken our spirit to continue to run programs for the benefit of all members. Therefore, most of the programs were conducted virtually.

In terms of awards and achievements, the list below highlights the main achievements of IEEE PES Malaysia Chapter:

1. IEEE PES Malaysia Chapter is the winner for the **IEEE PES Outstanding Chapter Awards for Large Chapter** for the year 2020. Award of USD 1,000 was received and we are being recognized as the best PES chapter in the world for the achievements and activities in 2020.
2. IEEE PES Malaysia Chapter received USD 910 in **High Performance Chapter Program (HPCP) 2020**, first among all 89 IEEE PES Chapter around the world.
3. **IEEE HAC/SIGHT grant** of USD 5,000 for the project "Sustainable Aquaponic System Integrated with Independent Power Supply and Plant-Based Cell" led by Jasronita Jasni and Mohd Zainal Abidin Ab Kadir.
4. **IEEE R10 EAC grant** of USD 150 for the project " Knowledge Transfer Program for River Village Community at Tanjung Surat, Johor, Malaysia " led by Zulkarnain Ahmad Noorden and Jasrul Jamani Jamian.

IEEE PES Malaysia has also expanded our communication channels to further reach out to our members and potential new members. All the online webinars are also recorded and available in our Youtube Channel. Our communication platforms are listed below:

- Email: ieee-pes-member@googlegroups.com
- Facebook: <https://www.facebook.com/IEEEPESMalaysia>
- Telegram group: <https://t.me/+xPwmttAYj9g5ZGU1>
- Youtube channel: https://www.youtube.com/channel/UC7FVG6YWHgIY2P_Ck3DlvYw
- Website: <https://site.ieee.org/malaysia-pes/>
- Instagram: <https://www.instagram.com/ieeepesmy/?hl=en>
- Twitter: <https://twitter.com/IEEEPESMY>
- LinkedIn: https://www.linkedin.com/in/ieee-pes-malaysia-794270117/?miniProfileUrn=urn%3AIn%3Afs_miniProfile%3AACoAABOMg2AB7k3Ar3U6q_RTui1-UbEiT3cQ9dk

3.2 List of Officer and Executive Committee Members

The Executive Committee of IEEE PES for year 2021 are as follows:

No	Name	Portfolio	Affiliations
1	Hazlie Mokhlis	Chair	UM
2	Eng Chin Yeoh	Past Chair / Awards and Nomination	Sher Engineering & Consultancy Sdn Bhd

No	Name	Portfolio	Affiliations
3	Nur Ashida Salim	Vice Chair / Membership Development	UiTM
4	Miszaina Osman	Secretary	UNITEN
5	Zuhaila Mat Yassin	Treasurer	UiTM
6	Agung Firmansyah	Industrial Relations & Professional Activities	Ranhill Worley Sdn Bhd
7	Ahmad Farid Abidin	Technical Activities	UiTM
8	Haroon Rashid	Young Professional Coordinator / Student activity	UKM
9	Nur Fadilah Ab Aziz	WIE / Strategic Communications	UNITEN
10	Jasrul Jamani Jamian	Humanitarian Activity	UTM
11	Norhafiz Azis	Educational Activities	UPM

3.3 Organizational Activities

3.3.1 Membership Development Programs

IEEE PES Malaysia and IEEE Malaysia section has organized Membership Drive & Senior Member Elevation Workshop, which have been conducted virtually as listed in the table:

No	Date	Event	No of Attendees
1	13-Mar-21	IEEE PES Membership Drive	39
2	03-Apr-21	IEEE PES Membership Drive	84
3	04-Apr-21	IEEE PES Membership Drive	222
4	09-Apr-21	IEEE PES Membership Drive	63
5	10-Apr-21	IEEE PES Membership Drive	143
6	12-Apr-21	IEEE PES Membership Drive	50
7	20-Apr-21	IEEE PES Membership Drive	72
8	24-Apr-21	IEEE PES Membership Drive	39
9	27-Apr-21	IEEE PES Membership Drive	288
10	29-Apr-21	IEEE PES Membership Drive	119
11	17-Jul-21	IEEE PES Membership Drive	37
12	31-Jul-21	IEEE PES Membership Drive	38
13	06-Aug-21	IEEE PES Membership Drive	56
14	04-Sep-21	IEEE PES Membership Drive	31

15	20-Sep-21	IEEE PES Membership Drive	454
16	08-Oct-21	IEEE PES Senior Member Elevation Workshop	18

The Senior Member Elevation Workshop was held on 26th September and 8th October 2021. This is a "hands-on" workshop where members were given briefing on how to complete the senior membership application form. From this workshop 1 PES Malaysia members had successfully upgraded to Senior Member. On top of that, PES Malaysia membership has shown significant growth from 288 members in year 2020 to 407 members in year 2021. The active promotion of IEEE PES through membership drives activity also had shown increase trend of membership in various grade, mainly student member as shown on in the following table. The significant increase in student members is due to the formation of new student branch chapter (UTM) and the revival of UKM student branch chapter.

Grade Category	Grade Effective Date (Before 2021)	Grade Effective Date (2021)	Total (Dec 2021)
Affiliate	1	+2	3
Senior Member	63	+3	66
Member	67	+14	81
Graduate Student	38	+37	75
Student Member	119	+61	180
Others (Associate Member, Life Member)	0	+2	2
Grand Total			407

3.3.2 List of activities that had been conducted this year are as follow:

No.	Date	Title	Presenter	Attendance
Professional Activities				
1	10 April 2021	Energy Transition: Opportunities and Challenges in Power System Research at TNB	Mohd Khairun Nizam bin Mohd Sarmin (TNB Research Sdn. Bhd.)	143
2	19 December 2021	Cable Thermal Analysis and Modelling	Agung Firmansyah (Aker Solutions Sdn Bhd)	35
Technical Activities				
1	13 March 2021	Renewable Energy Landscape within Regulated Environment in Peninsular Malaysia	Zamali bin Zamin, Deputy Director (Electricity Licensing Unit) in Energy Commission, Malaysia	39
2	3 April 2021	Home Energy Management Systems in Future Smart Grid	Prof. Hussain Shareef, Department of Electrical	84

No.	Date	Title	Presenter	Attendance
			Engineering, United Arab Emirates University, UAE	
3	6 April 2021	International Webinar - Energy Efficiency & Reliability	1. Mr Ahmed Azad Ismail (Suruhanjaya Tenaga) 2. Dr. Jasrul Jamani Jamian (UTM) 3. Er. Lim Say Leong (Chint)	222
4	8 April 2021	Pengenalan kepada Solar PV & Smart Eco-PV Boat	1. Ir. Ts. Dr. Syed Norazizul Syed Nasir (UTM) 2. Dr Madihah Md Rasid (UTM) 3. Salrizal Abd Aziz (ILP Kepala Batas)	42
5	12 April 2021	Solar: Renewable Energy Challenges and Opportunities	1. Prof. Dr. Nowshad Amin (UNITEN) 2. Prof. Dato' Dr. Kamaruzzaman Sopian (UKM).	50
6	20 April 2021	Development of Grid-connected Photovoltaic Systems in Malaysia	Prof. Dr. Ahmad Maliki Omar (UiTM)	72
7	24 April 2021	Roles of Renewable Energy in Global Energy Transition for Enhancing Energy Security	Assoc. Prof. Ir. Dr. Nofri Yenita Dahlan (UiTM)	39
8	17 July 2021	Importance of RE in Smart City Sustainability	1. Assoc. Prof. Dr Chockalingam Aravind (Taylor's University) 2. Dr. Muhamad Nabil Hidayat (UiTM)	37
9	31 July 2021	Stability Analysis of DC Microgrid Integrating Wind, Fuel Cell, and Microturbine Power-Generation Systems Fed to Multimachine Systems	Prof Li Wang (National Cheng Kung University, Taiwan)	38
10	4 September 2021	IEEE PES Malaysia Research Discourse 2021- Series 1 Title: From Theory to Practical: Distribution Network Reconfiguration	Dr. Nurulafiqah Nadzirah Binti Mansor (UM)	31

No.	Date	Title	Presenter	Attendance
11	11 September 2021	IEEE PES Malaysia Research Discourse 2021- Series 2 Title 1: Resolving Impasse in Modern Power System Protection— The Knowledge-Discovery-in-IED Way Title 2: Network Topology Optimisation Based on Dynamic Thermal Rating and Battery Storage Systems for Improved Renewable Penetration and Reliability	<ol style="list-style-type: none"> 1. Assoc. Prof. Ir. Ts. Dr. Mohammad Lutfi bin Othman (UPM) 2. Ir. Ts. Dr. Teh Jiashen (USM) 	48
12	18 September 2021	IEEE PES Malaysia Research Discourse 2021- Series 3 Title 1: A Novel Wide-Area Fault Detection and Location using Sequence Values and Enhanced Two-Terminal Impedance-Based Method Title 2: Power Quality: Introduction, Measurement & Monitoring	<ol style="list-style-type: none"> 1. Assoc. Prof. Dr. Mohd Rafi Bin Adzman (UNIMAP) 2. Assoc. Prof. Ts. Dr. Dalila Mat Said (UTM) 	35
13	25 September 2021	IEEE PES Malaysia Research Discourse 2021- Series 4 Title 1: Reliability assessment by sensitivity analysis due to electrical power sequential tripping for energy sustainability Title 2: Load Frequency Control: Intelligent Approach for Optimum Performance	<ol style="list-style-type: none"> 1. Assoc. Prof. Ir. Dr Nur Ashida Salim (UiTM) 2. Ts. Dr. Kanendra Naidu (UiTM) 	66
14	12 November 2021	IEEE PES Malaysia Distinguish Lecturer Program: Robust Volt-VAr Control in Power Distribution	Professor Bikash Pal (Imperial College, London UK)	17
15	11 December 2021	Savings through Solar Energy	Panelist Speakers: <ol style="list-style-type: none"> 1. Prof Dr Tapan Saha, IEEE Fellow, University of Queensland, Australia 2. Ir. Nirinder Singh Johl, Managing Director, TNBX Sdn Bhd, Malaysia 	163

No.	Date	Title	Presenter	Attendance
			3. Mr. Elmie Fairul Mashuri, Managing Director, GSPARX Sdn Bhd, Malaysia Moderator: Prof Ir Dr Hazlie Mokhlis, Chair IEEE PES Malaysia Chapter, Universiti Malaya	
Education Activities				
1	27 April 2021	Agrivoltaic Technology Adaptation for Malaysia: UPM Initiatives	Ir. Dr. Mohammad Effendy Ya'acob (UPM)	288
2	29 April 2021	Electric Vehicles: The Malaysian Future in Your Hands	1. Prof. Dr. Ishak bin Aris Professor, Faculty of Engineering (UPM) 2. Ts. Bakri Alias Senior General Manager, Malaysia Automotive Robotics and IoT Institute (MARii) 3. Ir. Lee Yuen How Founder & Director, EV Connection Sdn. Bhd.	119
3	19-20 June 2021	1st IEEE Young Professional Future Leader Summit 2021	Series of speakers from IEEE and industry	500
4	17 September 2021	Final Year Project Awards, Kulliyyah of Engineering, International Islamic University Malaysia	Dr. Haroon Rashid (Panel of Judges)	60
5	20 September 2021	Final Year Project Awards, Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia	Dr. Haroon Rashid (Panel of Judges)	40
6	27 September 2021	Final Year Project Awards, Faculty of Engineering, Universiti Putra Malaysia	Dr. Haroon Rashid (Panel of Judges)	51
7	3 December 2021	Evaluation of 2021 IEEE Online FYP Competition: Track 14 (Power & Energy)	All PES ExCom (Panel of Judges)	53

No.	Date	Title	Presenter	Attendance
8	18 December 2021	Electrical Power System Simulation Competition (EPSSCOM 2021)	14 teams from universities in Malaysia and Indonesia took part in the competition	109
Women in Power Activities				
1	9 April 2021	Promoting STEM for Sustainable and Clean Energy Future	Professor Emeritus Dr Azah Mohamed	63
2	6 August 2021	Women Empower Women: Fostering Leadership and Success	1. Dr. Vimalaswari K. Ramasamy (Founder and CEO at STRAVIK Business Consulting) 2. Nurashikin Jamil, MIET (Senior Power System Engineer at Mott MacDonald. Glasgow, UK)	56
3	20 September 2021	Asset Management for Power Systems with Novel Methods for Predictive Maintenance	Prof. Dr. Lina Bertling Tjernberg, Professor in Power Grid Technology at KTH the Royal Institute of Technology	454
Humanitarian				
1	23 October 2021	<i>PVedukit</i> – sharing knowledge to Tanjung Surat residence.	Jasrul Jamani Jamian and UTM SBC team	35
2	27-28 October 2021	Solar Project Kampung Orang Asli, Tanjung Surat, Johor – DB preparation	Jasrul Jamani Jamian and UTM SBC team	35
3	2 November 2021	Painting and Repairing of Sekolah Kebangsaan Impian Emas Facilities	Jasrul Jamani Jamian and UTM SBC team	20
4	11-13 November 2021	CSR Disclosure of Solar PV Technology & Wiring in Kampung Orang Asli, Tewowoh, Mersing	Jasrul Jamani Jamian and UTM SBC team	40
5	19-20 November 2021	CSR Disclosure of Solar PV Technology & Wiring in Kampung Orang Asli, Tanjung Surat, Johor.	Jasrul Jamani Jamian and UTM SBC team	35
6	2-3 December 2021	Solar Project Kampung Orang Asli, Tanjung Surat, Johor – PV installation	Jasrul Jamani Jamian and UTM SBC team	35
7	17-18 December 2021	Solar Project Kampung Orang Asli, Tewowoh, Mersing – House Wiring	Jasrul Jamani Jamian and UTM SBC team	35

No.	Date	Title	Presenter	Attendance
8	28 December 2021	Solar Project Kampung Orang Asli, Tanjung Surat, Johor – Launching event	Jasrul Jamani Jamian and UTM SBC team	35
Conference				
1	8-9 March 2021	2021 IEEE International Conference in Power Engineering Application (ICPEA 2021) https://icpea2021.uitm.edu.my/	Keynote speakers: 1. John D.McDonald 2. Ir. Dr. Mohd Fadzil Mohd Siam	43
2	14-16 October 2021	2021 International Conference on Smart Grid And Clean Energy Technologies (ICSGCE 2021) http://www.icsgce.org/	Keynote speakers: 1. Ir Emeritus Professor Tan Sri Dato' Dr Chuah Hean Teik 2. Prof. Chen-Ching Liu 3. Prof. Mo-Yuen Chow 4. Prof. Dr. Zhe Chen	50
3	27-29 November 2021	3rd International Conference on Innovations in Power & Advanced Computing Technologies (i-PACT 2021) https://vit.ac.in/ipact/	Keynote speakers: 1. Sheldon S. Williamson 2. Dr. Aznan Ezraie Bin Ariffin 3. Paresh Oza 4. Kailash Sharma 5. Krishnan Srinivasaraghavan 6. Dr. DP Kothari	150
Social Activities				
1	10 April 2021	IEEE Power & Energy Society Malaysia Chapter Get Together & Award Ceremony	All ExComm and PES members/ Hotel UiTM Shah Alam.	53
2	6 August 2021	Discussion on Collaboration Opportunity Between IEEE-PES, IET and IEM	IEEE PES, IET and IEM representatives	6
Administrative activities				
1	20 February 2021	IEEE-PES ExCom Meeting No 1/2021		16
2	20 March 2021	2021 IEEE-PES Strategic Planning		16
3	20 March 2021	IEEE-PES ExCom Meeting No 2/2021		15
4	27 June 2021	IEEE-PES ExCom Meeting No 3/2021		13

No.	Date	Title	Presenter	Attendance
5	16 September 2021	IEEE-PES ExCom Meeting No 4/2021		15
6	7 November 2021	IEEE PES Malaysia Student Branch Chapter Chairs Virtual Meet-up		6
7	20 November 2021	IEEE-PES ExCom Meeting No 5/2021		11
8	8 January 2022	IEEE-PES ExCom Meeting No 6/2021		15

3.3.3 Awards

The 2021 Award Recipients are as follows:

1. IEEE PES Chapter Outstanding Engineer Award (Greater than 15 years): Jasronita binti Jasni
2. IEEE PES Chapter Outstanding Engineer Award (Less than 15 years): Teh Jiashen
3. IEEE PES Outstanding Chapter Volunteer Award: Fatimah Salim
4. IEEE PES Malaysia Outstanding Student Volunteer Award: Badrul Munir bin Ghazali (UiTM) and Nik Ahmad Haiqal Ashraf bin Nik Zulkefli (UNITEN).

The 2021 Annual Report was proposed to be accepted by Michael Joseph and seconded by Haroon Rashid.

4. Treasurer's Report 2021

Zuhaila Mat Yasin as treasurer of PES Malaysia 2021 presented the Financial Report ending on 31st December 2021:

- The total balance in account is RM19,652.96
- 2021 Income - RM 64,532.45
- 2021 Expenses – RM 60,882.64
- Fixed Deposit – RM 30,000.00

The 2020 Treasurer's Report proposed to be accepted by Teh Jiashen and seconded by M. Effendy Yaacob.

5. Matters Arising

- No matters arising

6. Dissolution of Committee for 2021 Session

The Chair announced the dissolution of 2021 Executive Committee to allow for the election of the 2022 Executive Committee. He also thanked the 2021 Executive Committee for their hard work and commitment contributed to the chapter.

7. Election of Committee for 2022 and Appointment of 2 Auditors

As the past chair, Yeoh played his role as the election chair with the following results:

Position: Chair		
Candidate	Proposer	Secunder
Hazlie Mokhlis	Miszaina Osman	Nur Ashida Salim
Result : Hazlie won uncontested		
Position: Vice-Chair		
Candidate	Proposer	Secunder
Nur Ashida Salim	Mohd Zainal Abidin Ab Kadir	Hazlie Mokhlis
Result : Nur Ashida won uncontested		
Position: Secretary		
Candidate	Proposer	Secunder
Miszaina Osman	Michael Joseph	Nur Fadilah Ab Aziz
Result : Miszaina Osman won uncontested		

Position: Treasurer		
Candidate	Proposer	Secunder
Zuhaila Mat Yasin	Izham Zainal Abidin	Ahmad Farid Abidin
Result : Zuhaila won uncontested		
Position: Committee Members		
Candidate	Proposer	Secunder
Ahmad Farid Abidin	Zuhaina Zakaria	Haroon Rashid
Jasrul Jamani Jamian	Zuhaila Mat Yasin	Agung Firmansyah
Haroon Rashid	Yeoh Eng Chin	Jasrul Jamani Jamian
Norhafiz Azis	Nur Ashida Salim	Izham Zainal Abidin
Lim Yun Seng	Zuhaina Zakaria	Rodney Tan
Nurulafiqah Nadzirah Mansor	Miszaina Osman	Nur Ashida Salim
Gan Chin Kim	Kyairul Azmi bin Baharin	Hazlie Mokhlis
Result : The elected committee members are:		
<ol style="list-style-type: none"> 1. Haroon Rashid 2. Jasrul Jamani Jamian 3. Ahmad Farid Abidin 4. Nurulafiqah Nadzirah Mansor 		

Position: Auditors		
Candidate	Proposer	Secunder
Mohammad Ali Tofigh	Zuhaina Zakaria	Miszaina Osman
Mohamed Fuad Faisal	Nur Ashida Salim	Zuhaila Mat Yasin
Result : Mohammad Ali Tofigh and Mohamed Fuad Faisal won uncontested		

8 Speech by 2022 Session Chair

PES Chair for 2022, Hazlie, gave a welcoming speech. He hoped to get more participation from members for the 2022 activities. All members are invited to suggest the activities for 2022.

9 Adjournment


The meeting was adjourned at 10:30 am.

Prepared by



.....
Miszaina Osman
Secretary 2021
IEEE PES Malaysia Chapter

Approved by



.....
Hazlie Mokhlis
Chair 2021
IEEE PES Malaysia Chapter

ATTACHMENT 1: ATTENDANCE OF PES 26th ANNUAL GENERAL MEETING

No	Name	IEEE Membership Number	Membership Category
1	Agung Firmansyah	90905836	IEEE Senior Member
2	Ashwaq Yahya Ali Al-Mahbashi	97682077	IEEE Graduate Member
3	Badrul Munir Ghazali	97578858	IEEE Student Member
4	Fatimah Salim	92162492	IEEE Senior Member
5	Gan Chin Kim	40262711	IEEE Senior Member
6	Haroon Rashid	92752593	IEEE Senior Member
7	Hasmaini Mohamad	93342744	IEEE Senior Member
8	Hazlie Bin Mokhlis	41305363	IEEE Senior Member
9	Izham bin Zainal Abidin	80617173	IEEE Senior Member
10	Jasronita Jasni	41422149	IEEE Senior Member
11	Jasrul Jamani Jamian	91231181	IEEE Senior Member
12	Lim Yun Seng	41480638	IEEE Senior Member
13	M. Effendy Yaacob	92147776	IEEE Senior Member
14	Md Pauzi Abdullah	80002691	IEEE Senior Member
15	Michael Joseph	3572138	IEEE Senior Member
16	Miszaina Osman	90401001	IEEE Senior Member

17	Mohamed Fuad Faisal	90537060	IEEE Senior Member
18	Mohammad Aminul Islam	93920415	IEEE Member
19	Mohammad Zohrul Islam	94622940	IEEE Graduate Member
20	Mohammed Hussein Saleh Mohammed Haram	93824143	IEEE Graduate Member
21	Mohd Zain Abdullah	41631501	IEEE Member
22	Mohd Zainal Abidin Ab Kadir	80512360	IEEE Senior Member
23	Nik Ahmad Haiqal Ashraf Bin Nik Zulkefli	94840425	IEEE Student Member
24	Norhafiz bin Azis	926957981	IEEE Senior Member
25	Nur Ashida Salim	91177722	IEEE Senior Member
26	Nurulafiqah Nadzirah Mansor	94304706	IEEE Senior Member
27	Putri Falyana Balqis	98219002	IEEE Student Member
28	Teh Jiashen	93674330	IEEE Senior Member
29	Teh Liang Hean	90629808	IEEE Member
30	Yeoh Eng Chin	41495750	IEEE Senior Member
31	Zaipatimah Ali	80474500	IEEE Senior Member
32	Zuhaila Mat Yasin	90817131	IEEE Senior Member

IEEE PES MALAYSIA CHAPTER 2022 ANNUAL REPORT

PART A: 2022 CHAPTER SUMMARY

IEEE Power & Energy Society (PES) Malaysia Chapter had completed various activities for the year 2022. The activities include 3 membership/social activities, 19 technical talks, 12 educational, 2 pre-U STEM program, 6 professional, 1 Women in Power (WiP), 1 Humanitarian activities, 4 conferences and 7 administration activities. All activities were attended with good number of participants which include both IEEE members and non-IEEE members.

In 2022, IEEE PES Malaysia celebrated its 30th anniversary. A commemorative book for the 30th anniversary celebration was prepared and launched during the 30th Anniversary celebration High Tea event, attended by PES past chairs and committees, as well as its active members. IEEE PES Malaysia also managed to organize a few series of membership drive programs. This is to encourage participants especially for the non-IEEE members to join IEEE and IEEE PES where the benefits of IEEE and IEEE PES has been explained during these programs.

In terms of awards and achievements, the list below highlights the main achievements of IEEE PES Malaysia Chapter:

1. IEEE PES Malaysia Chapter received USD 890 in **High Performance Chapter Program (HPCP) 2021**, second among all 67 IEEE PES Chapter around the world.
2. **IEEE HAC/SIGHT grant** of USD 5,000 for the project " Installation of Solar Photovoltaic Distribution Network at Kampung Pucur, Johor " led by Jasrul Jamani Jamian and Zulkarnain Ahmad Noorden, for the 2022 IEEE HAC/SIGHT Projects Call for Proposals Focused on Pressing Community Needs.
3. IEEE PES Malaysia Chapter is also the winner for Malaysia's section "**IEEE Malaysia Outstanding Large Chapters**" award for 2021 during our IEEE AGM in early 2022.

IEEE PES Malaysia has also expanded our communication channels to further reach out to our members and potential new members. All the online webinars are also recorded and available in our Youtube Channel. Our communication platforms are listed below:

- Email: ieee-pes-member@googlegroups.com
- Facebook: <https://www.facebook.com/IEEEPESMalaysia>
- Telegram group: <https://t.me/+xPwmttAYj9g5ZGU1>
- Youtube channel: https://www.youtube.com/channel/UC7FVG6YWHgIY2P_Ck3DlvYw
- Website: <https://site.ieee.org/malaysia-pes/>
- Instagram: <https://www.instagram.com/ieeepesmy/?hl=en>
- Twitter: <https://twitter.com/IEEEPESMY>
- LinkedIn: https://www.linkedin.com/in/ieee-pes-malaysia-794270117/?miniProfileUrn=urn%3AIn%3Afs_miniProfile%3AACoAAB0Mg2AB7k3Ar3U6q_RTu1-UbEjT3cQ9dk

PES Malaysia website, Facebook, Instagram and Youtube channel has been among the main social media used by the society to disseminate information related to PES activities as well as to engage with the larger society. As of February 2023, PES Facebook has around 2,189 followers with 1430 post reach while receiving 243 engagements of all its posts.








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Followers: 2,189
Last 28 days

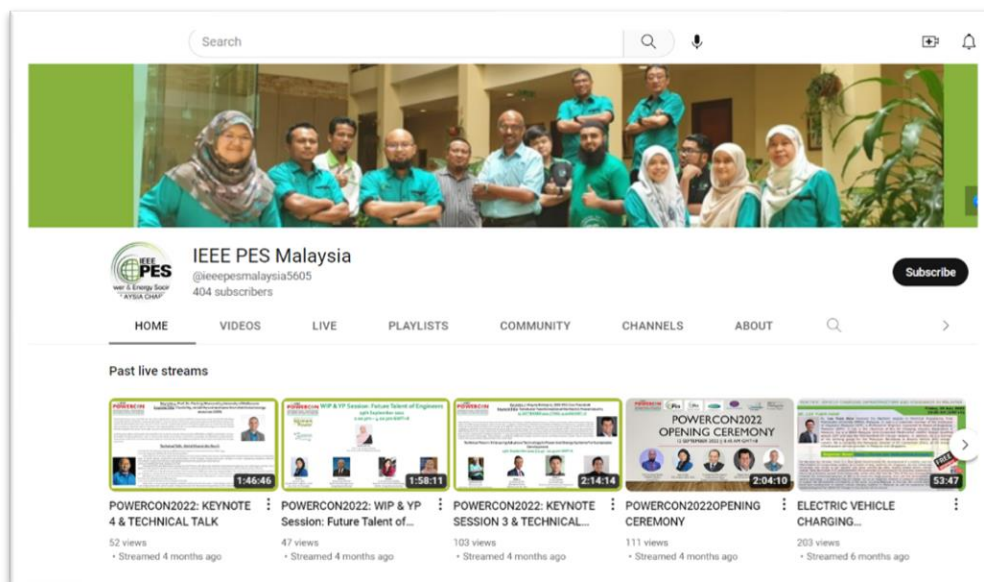
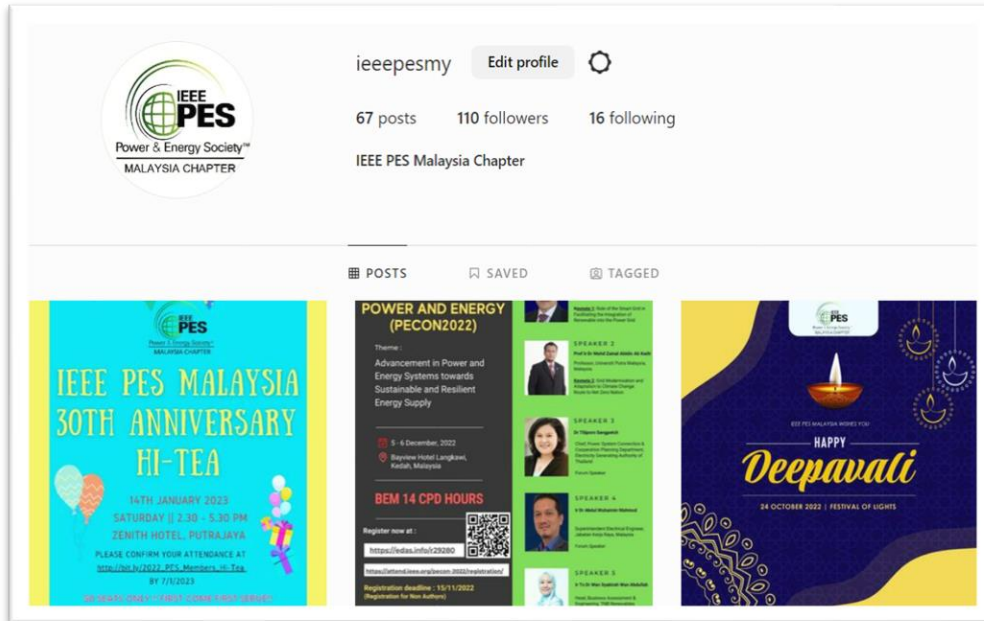
<div style="display: flex; align-items: center; justify-content: space-between;"> Post reach i </div> <div style="text-align: center; font-size: 1.5em; font-weight: bold; margin-top: 5px;">1,430</div>	<div style="display: flex; align-items: center; justify-content: space-between;"> Post Engagement i </div> <div style="text-align: center; font-size: 1.5em; font-weight: bold; margin-top: 5px;">243</div>	<div style="display: flex; align-items: center; justify-content: space-between;"> New Page likes i </div> <div style="text-align: center; font-size: 1.5em; font-weight: bold; margin-top: 5px;">4</div>
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For the last 90 days, following are among the activities posted in PES Facebook, together with its reach and engagements.

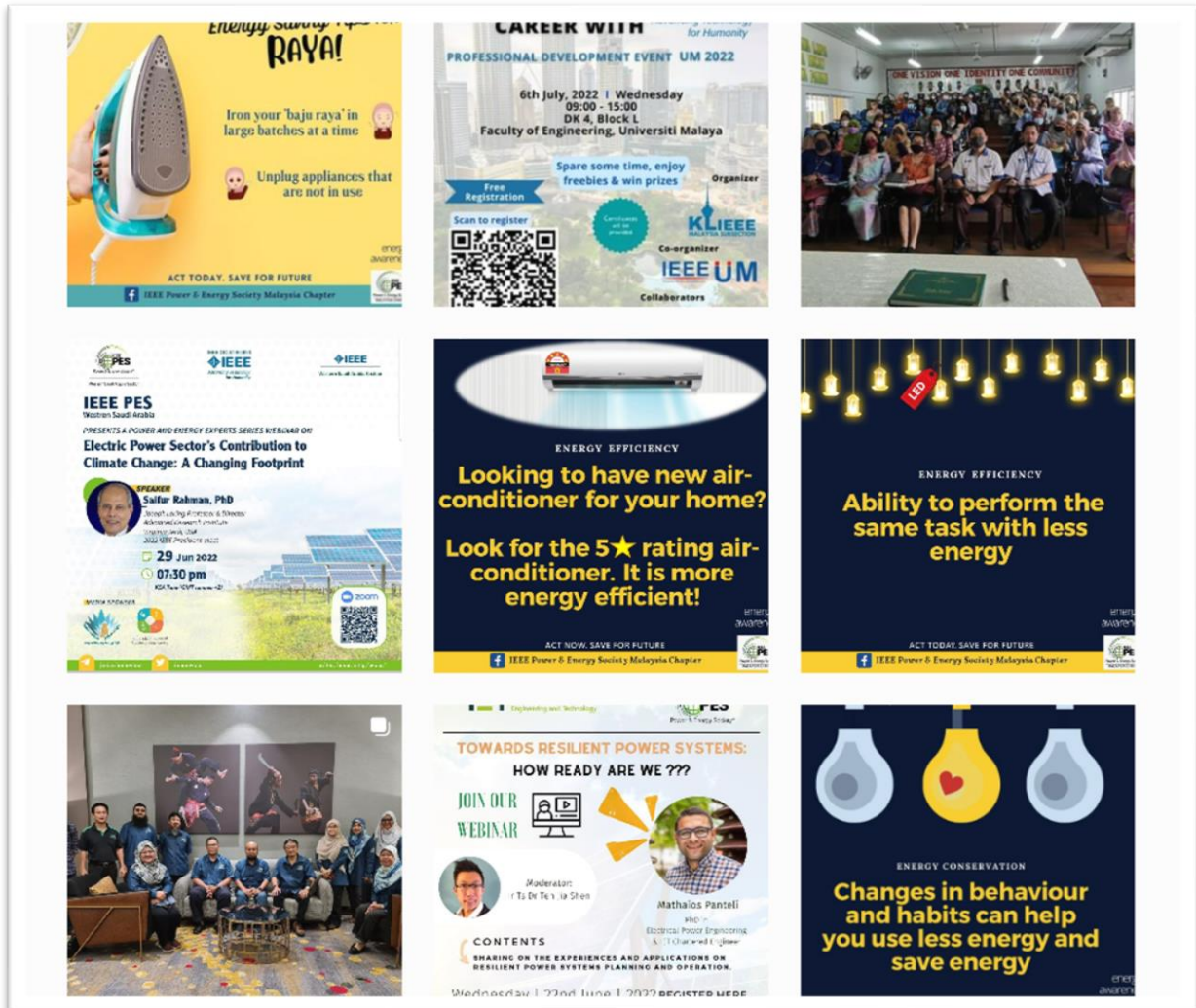
Posts [Create a post](#) Last 90 Days ▾ Date ▾

	Calling all active IEEE PES member to join our upcoming event: IEEE POWER & ENERGY SOCIETY MALAYSIA 30TH ANNIVERSARY HI-TEA Date: 14th January 2023 (Saturday) Time: 2.30 - 5.30 pm Venue: Zenith Hotel, Putrajaya Registration Link: https://bit.ly/2022_PES_Members_Hi-Tea Limited... <small>Mon, Jan 2</small>	Post reach 260	Engagement 4	Boost post
	-- <small>Dec 20, 2022</small>	Post reach 136	Engagement 6	Boost unavailable
	IEEE Power and Energy Society Malaysia Chapter added 97 new photos to the album: PECon2022 Day 2 - Langkawi. <small>Dec 14, 2022</small>	Post reach 511	Engagement 70	Boost post
	IEEE Power and Energy Society Malaysia Chapter added 205 new photos to the album: PECon2022 Day 1 - Langkawi. <small>Dec 14, 2022</small>	Post reach 434	Engagement 52	Boost post
	IEEE PES Malaysia Chapter in collaboration with CIRED Malaysia, UiTM Shah Alam and IEEE PES Indonesia Chapter, and co-sponsored by Barium Selat Sdn Bhd had successfully organized our flagship Electrical Power System Simulation Competition 2022 (EPSSCOM 2022) on the 26th Novemb... <small>Nov 27, 2022</small>	Post reach 2,350	Engagement 462	Boost post
	Dear esteemed researchers and academicians, 2023 IEEE 3rd International Conference in Power Engineering Applications (ICPEA 2023) shall be held from 6th to 7th March 2023 at Putrajaya, Malaysia. The 3rd ICPEA is organized by the College of Engineering, Universiti Teknologi MARA... <small>Nov 5, 2022</small>	Post reach 290	Engagement 21	Boost post
	2023 12th Asia-Pacific International Conference on Lightning (APL) 12-15 June 2023 Langkawi, Malaysia It is with great pleasure for IEEE PES Malaysia Chapter to announce the 12th Asia-Pacific International Conference on Lightning (APL 2023) in Langkawi, Malaysia from 12-15 June 2023. A... <small>Nov 5, 2022</small>	Post reach 12,703	Engagement 1,419	Boost again

PES Malaysia Instagram has garnered 110 followers while PES YouTube has around 404 subscribers as of February 2023.



The Communications portfolio has also kick-started its awareness initiative on energy efficiency with [#ActNowSaveForFuture](#) and [#PESEnergyAwareness](#) tagged with the corresponding posts on PES Facebook and Instagram. This initiative serves as part of the efforts to help the nation to increase the community's awareness on efficient energy utilization and how to play their part.



The Executive Committee of IEEE PES for year 2022 are as follows:

No	Name	Portfolio	Affiliations
1	Hazlie Mokhlis	Chair	UM
2	Eng Chin Yeoh	Past Chair / Awards and Nomination	Sher Engineering & Consultancy Sdn Bhd
3	Nur Ashida Salim	Vice Chair / Membership Development	UiTM
4	Miszaina Osman	Secretary	UNITEN
5	Zuhaila Mat Yassin	Treasurer/WIE	UiTM
6	Mohd Khairun Nizam Mohd Sarmin	Industrial Relations & Professional Activities	TNB Research Sdn Bhd
7	Ahmad Farid Abidin	Technical Activities	UiTM
8	Haroon Rashid	Young Professional Coordinator / Student activity	UKM
9	Nurulafiqah Nadzirah binti Mansor	Strategic Communications	UM
10	Jasrul Jamani Jamian	Humanitarian Activity	UTM
11	Gan Chin Kim	Educational Activities	UTeM

PART B: CHAPTER ACTIVITIES

B.1 Membership Development Activities

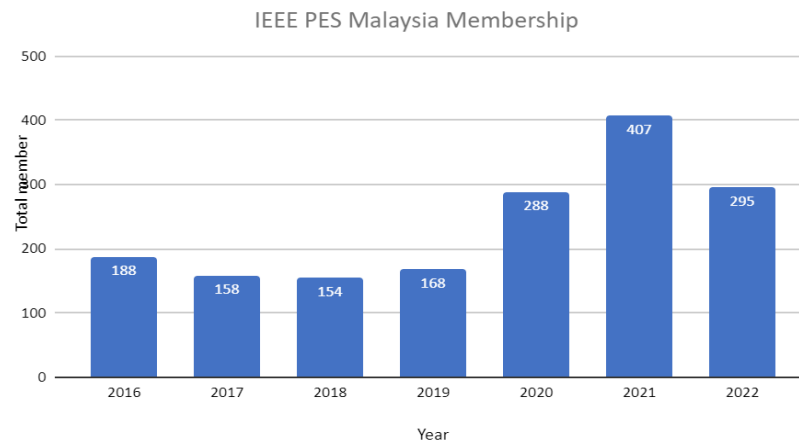
IEEE PES Malaysia and IEEE Malaysia section have jointly organized Senior Member Elevation Workshop, which have been conducted virtually as listed in the table:

No	Date	Event
1	27 August 2022	IEEE PES Senior Membership Drive

The Senior Member Elevation Workshop was held on 27th August 2022. This is a "hands-on" workshop which was done virtually where members were given briefing on how to complete the senior membership application form. This workshop had successfully upgraded three PES Malaysia members to Senior Member grade. In 2022, total of 9 members were elevated to the Senior Member grade which is the highest for which application may be made and shall require experience reflecting professional maturity.

PES Malaysia membership has shown declining pattern from 407 members in year 2021 to 295 members in year 2022. The breakdown of the PES membership is shown in table below. Essentially, the drop of PES members was contributed by the major drop in Graduate Student member and Student member. One of the reasons for this drop is that most of the universities now does not provide support to students to pay for the membership fees. For 2023, PES Malaysia need to provide proactive program to encourage more student to join IEEE PES.

Grade Category	Dec 2021	Dec 2022	Difference
Affiliate	3	3	0
Senior Member	66	75	9
Member	81	70	-11
Graduate Student	75	32	-43
Student Member	180	113	-67
Others (Associate Member, Life Member, Life Senior)	2	2	0
Grand Total	407	295	-112



B.2 List of activities that had been conducted in year 2022 are as follows:

No.	Date	Title	Presenter	Attendance
Professional Activities				
1	28 April 2022	Orca Algorithm on Electric Vehicles Inclusion in Economic Operation	Prof. Ir. A.N. Afandi (Universitas Negeri Malang, Indonesia)	23
2	9 May 2022	Energy Management in Achieving global Sustainable Development Goals	Zaini Abdul Wahab (Energy Management System Consultant)	155
3	28 July 2022	How to Become a Good Reviewer	Prof H. B. Gooi, Nanyang Technological University, Singapore.	90
4	12 September 2022	POWERCON Keynote 1: More Power to Your Future – PES Strategic Long-Range Plan	Jessica J. Bian, PES President (2022-2023)	130
5	13 September 2022	POWERCON Keynote 3: Trends and Transformation of the Electric Power Industry	Wayne Bishop Jr, IEEE PES Vice President	130

No.	Date	Title	Presenter	Attendance
6	14 September 2022	Technical Visit to Malaysia Transformer Manufacturing (MTM)	N/A	30
Technical Activities				
1	7 March 2022	ICPEA keynote 1: Climate Change Planning of Electric Power System: Reality Check in	Dr Shay Bahramirad, Senior VP of Engineering and Asset Management at LUMA Energy, Puerto Rico.	46
2	8 March 2022	ICPEA keynote 2: Renewable Energy Development in Malaysia and its challenges	Ir Dr Zahrul Faizi Hussein, CEO Power Division, Ranhill Utilities Berhad.	46
3	8 April 2022	IEEE Kahoot Quiz Challenge "Engineering & Sustainable energy"	Haroon Rashid, UKM	84
4	18 April 2022	IEEE Battery and E-Waste Recycling Poster Competition	Haroon Rashid, UKM	8
5	18 April 2022	Infographic Competition: Powering A Sustainable World	Haroon Rashid, UKM	27
6	23 April 2022	IEEE PES Day Quiz 2022	Haroon Rashid, UKM	65
7	6 May 2022	The Impact of Automation and Control System of Building & Industry on Energy Conservation	Mr. Muhammad Akhtar	17
8	10 May 2022	Electrical Energy Storage Roles in The Future Grids	Dr. Ahmed Faheem Zobaa (Brunel University London, UK)	14
9	12 May 2022	A2G Series Workshop: The Future of Mobile Communications towards Beyond 5G and 6G	Prof Dr Mohamad Yusoff Bin Alias, MMU	133
10	18 May 2022	Malaysia Solar PV Industry Development: An Industry Perspective	Mr Poon Kean Yuen (Project Director, Atlantic Blue Sdn Bhd)	40
11	22 June 2022	Towards Resilient Power Systems: How Ready Are We?	Dr Mathaios Panteli, University of Cyprus	75
12	29 July 2022	Electric Vehicle Charging Infrastructure and Standards in Malaysia	Ir. Lee Yuen How, Managing Director of EV Connection (EVC)	45

No.	Date	Title	Presenter	Attendance
13	12 September 2022	POWERCON Keynote 2: Integrating High Levels of Variable Renewable Energy (vRE) into the Grid System	Ir. Ts. Abdul Razib Bin Dawood, CEO Energy Commission of Malaysia.	130
14	12 September 2022	POWERCON Technical Forum: Embracing Advanced Technology in Power and Energy Systems for Sustainable Development	Dr Mohd Hariffin Boosrah Managing Director, TNBR Dr Ng Sing Muk General Manager, Research and Development Dept, Sarawak Energy Berhad Ir Yau Chau Fong Managing Director, Duriane Consult	130
15	14 September 2022	POWERCON Keynote 4: Flexibility, reliability and resilience from distributed energy resources (DER)	Prof. Dr. Pierluigi Mancarella, University of Melbourne	130
16	14 September 2022	DLP Lecture: Reliability and Resilience in Low-Carbon Power Systems and Markets	Prof. Dr. Pierluigi Mancarella, University of Melbourne	15
17	5 December 2022	PECON Keynote Talk 1: Grid Modernisation and Adaptation to Climate Change: Route to Net Zero Nation	Prof. Ir. Dr. Mohd Zainal Abidin Ab Kadir, Universiti Putra Malaysia	120
18	5 December 2022	PECON Technical Forum	Panelist: Dr.Titiporn Sangpetch (EGAT Thailand), Ir Dr Abdul Muhaimin bin Mahmud (JKR), Ir Ts Dr Wan Syakirah Wan Abdullah (TNB Renewables) Moderator: Dr Kanendra Naidu (UiTM)	120
19	6 December 2022	PECON Keynote Talk 2: Advanced Metering Infrastructure (AMI) enabling a smarter and greener energy revolution	Ir. Ts. Dr. Syed Ahmad Fuad Syed Abdul Hamid, Tenaga Nasional Berhad	120

No.	Date	Title	Presenter	Attendance
Education Activities				
1	22 June 2022	Final Year Project (FYP) 2 Seminar Presentation Award - Kulliyyah of Engineering, IIUM (Sem 2, 2021/2022)	Haroon Rashid, UKM	111
2	23 June 2022	Introduction of Solar Photovoltaics System to School Teacher (SMJK Notre Dame Convent, Melaka)	Gan Chin Kim, UTeM	64
3	13 July 2022	Solar Demonstration and Hands-On Session with School Pupils	Gan Chin Kim, UTeM	104
4	25 July 2022	Final Year Project Awards at Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia (Session: 2021/2022)	Haroon Rashid, UKM	91
5	9 October 2022	Submit & Win IEEE PES Malaysia Funding Opportunity 2022	Haroon Rashid, UKM	6
6	15 October 2022	Introduction to IEEE PES Young Professionals and Benefits for Members	Haroon Rashid, UKM	308
7	15 October 2022	IEEE PES Young Professionals Regional Summit (Asia Pacific) 2022	Haroon Rashid, UKM	338
8	15 October 2022	Smart Grid and its implementations in Malaysia	Haroon Rashid, UKM	338
9	15 October 2022	Agrivoltaic Natural Cooling in Large Scale Solar PV Farms	Haroon Rashid, UKM	338
10	15 October 2022	Entrepreneurship Opportunities in Power & Energy	Haroon Rashid, UKM	320
11	15 October 2022	Stand Apart from Professional Societies	Haroon Rashid, UKM	336
12	26 November 2022	Electrical Power System Simulation Competition (EPSSCOM 2022)	Kanendra Naidu, UiTM	100

No.	Date	Title	Presenter	Attendance
Women in Power Activities				
1	12 September 2022	WIP & YP Session- Future Talent of Engineers	Moderator: Prof. Ir. Dr. Zuhaina Zakaria (UiTM) Panels: <ul style="list-style-type: none"> • Jessica J. Bian (2022-2023 PES President) • Shahrulnizam Md Nur (Head (Talent Management) TNB) • Ts. Nor Zih Zainol Abidin (Head of Technical Sales & Marketing, GSPARX, TNB) • Assoc. Prof. Ir. Dr. Nofri Yenita Dahlan (UiTM) 	130
Humanitarian				
1	18 January 2022	Solar Installation at Kampung Orang Asli Tewowoh	Jasrul Jamani Jamian, UTM	28
2	10-11 February 2022	Solar Installation at Kampung Orang Asli Tewowoh	Jasrul Jamani Jamian, UTM	28
3	17-18 March 2022	Solar Installation at Kampung Orang Asli Tewowoh	Jasrul Jamani Jamian, UTM	28
4	29 March 2022	Launching Ceremony Solar Project Kampung Orang Asli Tewowoh	Jasrul Jamani Jamian, UTM	30
5	14 May 2022	Short Course on Solar PV Installation	Jasrul Jamani Jamian, UTM	60
6	26 November 2022	Training on PV Design 2023, TroPV'2.0	Jasrul Jamani Jamian, UTM	60
7	2 December 2022	Solar Installation at SK Taman Mutiara Rini 2	Jasrul Jamani Jamian, UTM	28
8	9 December 2022	Solar Installation at Kampung Berasau	Jasrul Jamani Jamian, UTM	20
9	17 December 2022	Improve System at Kampung Tewowoh & Site Visit at Kampung Pucur	Jasrul Jamani Jamian, UTM	20

No.	Date	Title	Presenter	Attendance
Conference				
1	7 – 8 March 2022	2022 IEEE International Conference in Power Engineering Application (ICPEA 2022) https://icpea2022.uitm.edu.my/	Keynote speakers: 1. Dr Shay Bahramirad, Senior VP of Engineering and Asset Management at LUMA Energy, Puerto Rico. 2. Ir. Dr. Zahrul Faizi Bin Hussien (CEO Power Division, Ranhill Utilities Berhad)	46
2	14-16 October 2022	2022 International Conference on Smart Grid and Clean Energy Technologies (ICSGCE 2022) http://www.icsgce.org/index.html	Keynote speakers: 1. Prof Chen Ching Liu (Virginia Tech, USA), 2. Prof Yilmaz Sozer (University of Akron, USA), 3. Prof Qi Li (Chongqing University, China)	40
3	12-14 September 2022	IEEE International Conference on Power System Technology (POWERCON 2022) https://attend.ieee.org/powercon-2022/	1. Jessica J. Bian, PES President (2022-2023) 2. Ir. Ts. Abdul Razib Bin Dawood, CEO Energy Commission of Malaysia. 3. Wayne Bishop Jr, IEEE PES Vice President 4. Dr Mohd Hariffin Boosrah, Managing Director, TNBR 5. Dr Ng Sing Muk, General Manager, Research and Development Dept, Sarawak Energy Berhad 6. Ir Yau Chau Fong, Managing Director, Duriane Consult 7. Shahrulnizam Md Nur, Head (Talent Management) TNB 8. Ts. Nor Ziha Zainol Abidin, Head of Technical Sales &	130

No.	Date	Title	Presenter	Attendance
			Marketing, GSPARX, TNB 9. Assoc. Prof. Ir. Dr. Nofri Yenita Dahlan, UiTM 10. Prof. Dr. Pierluigi Mancarella, University of Melbourne	
4	5 – 6 December 2022	IEEE International Conference on Power and Energy (PECon2022) https://attend.ieee.org/pec-on-2022/home/	1. Prof. Ir. Dr. Mohd Zainal Abidin Ab Kadir, Universiti Putra Malaysia 2. Dr. Titiporn Sangpetch, EGAT Thailand 3. Ir Dr Abdul Muhaimin bin Mahmud, JKR 4. Ir Ts Dr Wan Syakirah Wan Abdullah, TNB Renewables Sdn Bhd. 5. Ir. Ts. Dr. Syed Ahmad Fuad Syed Abdul Hamid, TNB	120
Social Activities				
1	9 April 2022	Ice-Breaking Session with IEEE PES Day 2022 Ambassadors (Malaysia Section)	Haroon Rashid, UKM	9
2	14 January 2023	30 th Anniversary of PES Malaysia High Tea	Nur Ashida Salim	35
Administrative activities				
1	5 March 2022	IEEE-PES ExCom Meeting No 1/2022		14
2	26 - 27 March 2022	2021 IEEE-PES Strategic Planning		15
3	9 April 2022	Meeting with IEEE PES Indonesia		8
4	12 June 2022	IEEE-PES ExCom Meeting No 2/2022		13
5	25 September 2022	IEEE-PES ExCom Meeting No 3/2022		12
6	18 December 2022	IEEE-PES ExCom Meeting No 4/2022		11
7	28 December 2022	IEEE-PES ExCom Meeting No 5/2022		13

B.3 Awards

The 2022 Award Recipients are as follows:

5. IEEE PES Chapter Outstanding Engineer Award (Greater than 15 years): Abdul Razib Dawood
6. IEEE PES Chapter Outstanding Engineer Award (Less than 15 years): Norhafiz Azis
7. IEEE PES Outstanding Chapter Volunteer Award: Zuhaina Zakaria
8. IEEE PES Malaysia Outstanding Student Volunteer Award: Ashwaq Yahya Ali Al-Mahbashi (UKM) and Muhammad Haiqal bin Mohd Aminuddin (UTM).

PART C: GOALS AND PLANS

C.1 Goals

In 2023, the chapter plan to conduct activities that can cover various members' background such as academicians, industrial practitioners, postgraduate students and undergraduate students. Some activities will be made public with the objective to increase IEEE PES visibility and at the same time attract new membership.

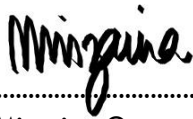
- a) For student, we will work closely with IEEE PES student branches to collaborate in the activities.
 - Webinar series will be based on the student interest, for examples on the topic of career development, industrial practices, publication journal paper and motivation talk.
 - Furthermore, we plan to continue organize the Electrical Power System Simulation Competition (EPSSCom). This competition has been successfully conducted in 2020, 2021 and 2022 with a good number of group participants from Malaysia and Indonesia. In 2021 and 2022, CIREN, IET and IEM also co-organized this event with PES Malaysia. For 2023, we plan to involve more industries as co-organizer for this competition and extended to Asian level.
 - A 5-minute Final Year Project (5MFYP) competition and Final Year Project award will also be continued in collaboration with IEEE Young Professional Society.
- b) As for academia, the focus is more on providing with up-to-date technical knowledge and networking opportunities among different universities as well as with industries.
 - Besides organizing technical talks and industrial visit, we are planning to organize one workshop with the objective to bridge academia and industries so that they have opportunity to collaborate.
 - Meanwhile, activities that may benefited members from industries such as special technical trainings and management skill are planned. The activities can be conducted by our own IEEE PES members that has expertise on special skill and knowledge. Through this, IEEE PES members will work together to provide benefits to each other.

C.2 2023 Planned Activities

Activity Type	Activity Description	Date dd/mm/year
Technical	Distinguished Lecture Program	TBA
Technical	Technical Talk by Industries	TBA
Technical	Technical Session hosted by universities	TBA
Technical	Technical visit to selected sites	TBA
Technical	Plain Talk Series on Electrical Power System	TBA

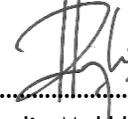
Technical	12 th Asia-Pacific International Conference on Lightning (APL 2023)	12-15 June 2023
Education	FYP competition in Universities- Sponsor in the terms of prizes and providing professionals/experts as referee	TBA
Education	Electrical Power System Simulation Competition (EPSSCom 2023)	TBA
Education	5 minutes Final Year Project (5MFYP)	TBA
Technical	EDAS Setting for Conference Organizer Workshop	TBA
Membership	Senior membership Drive	TBA
Social	Get together IEEE PES Member program	TBA
Humanitarian	Humanitarian Activities	TBA

Prepared by



.....
 Miszaina Osman
 Secretary 2022
 IEEE PES Malaysia Chapter

Approved by



.....
 Hazlie Mokhlis
 Chair 2022
 IEEE PES Malaysia Chapter

STATEMENT OF INCOME AND EXPENDITURE 2022
IEEE POWER & ENERGY SOCIETY (PES) MALAYSIA CHAPTER

(IEEE Malaysia PES Chapter 10-514-000488-7) statement
 balance from 2021 (31th December 2021) RM 19,652.96

INCOMES

1	ICPEA2022 fees (paid by participant)	RM	1,500.00
2	ICPEA2022 Income Sharing	RM	7,300.00
3	i_PACT 2021 Income Sharing	RM	5,000.00
4	IEEE Malaysia Section Grant (1st half 2022)	RM	500.00
5	POWERCON2022 - PES loan repayment	RM	13,500.00
6	EPSSCOM2022 sponsorship -Barium Selat Sdn Bhd	RM	3,000.00
7	IEEE-PES High Performing Chapter Program HPCP 2021 (USD890)	RM	4,129.60
8	IEEE Malaysia Section Grant (2nd half 2022)	RM	500.00
9	IEEE Malaysia Chapter Active Bonus 2022	RM	380.00
10	POWERCON2022 Society Fee	RM	15,000.00
11	MyCEB sponsorship (POWERCON2022)	RM	23,000.00
12	POWERCON2022 Legacy Gift (Payment #1)	RM	10,000.00
13	Profit	RM	527.46
	TOTAL INCOME	RM	84,337.06

EXPENSES

1	Reimbursement & Refreshments for Administrative Meetings	RM	9,310.00
2	Annual General Meeting 2022	RM	3,745.00
3	ExCom Strategic Planning Retreat	RM	6,654.50
4	IEEE-PES Student Branch Chapter support	RM	-
5	Membership Development Activities	RM	225.00
6	Technical Activities	RM	-
7	Humanitarian Activities	RM	-
8	Industrial/ Professional Activities	RM	-
9	Student Activities & Young Professional (YP)	RM	1,165.00
10	Educational Activities	RM	513.80
11	Strategic Communication	RM	729.95
12	Women in Engineering (WIE)	RM	-
13	Awards & Appreciation	RM	240.00
14	Administrative Expenditure	RM	2,045.45
15	IEEE Malaysia Student FYP Competition 2021	RM	400.00
16	Social Outreach Activities	RM	-
17	EPSSCOMM2021	RM	440.00
18	EPSSCOMM2022	RM	2,031.20
19	POWERCON2022	RM	23,000.00
20	ICPEA2022	RM	1,500.00
21	Bank Charges	RM	42.75
	TOTAL EXPENSES	RM	52,042.65

Affin Islamic Bank Berhad
(IEEE Malaysia PES Chapter 10-514-000488-7) statement
balance as at 31 December 2022

RM	51,947.37
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CURRENT ASSETS

1	3 units of RM 10,000 each unit (as of 31/12/2022)	RM	30,000.00
	TOTAL FIXED DEPOSIT	RM	30,000.00

Balance	RM	81,947.37
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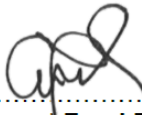
The financial statements for IEEE Power & Energy Society for year 2022 are digitally signed by the following:



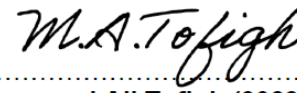
.....
Hazlie Mokhlis (41305363)
Chair
IEEE PES Malaysia Chapter
Date: 11/1/2023



.....
Zuhaila Mat Yasin (90817131)
Treasurer
IEEE PES Malaysia Chapter
Date: 11/1/2023



.....
Mohamed Fuad Faisal (90537060)
Auditor 1
Date: 12.1.2023



.....
Mohammad Ali Tofiqh (90390814)
Auditor 2
Date: 15.01.2023



SCAN QR CODE FOR WEBSITE

IEEE POWER & ENERGY SOCIETY MALAYSIA CHAPTER

<https://site.ieee.org/malaysia-pes/>

