

2024 Malaysia Section Report

PART A - SECTION SUMMARY

A.1 Executive Summary

A.1.1 Section Executive Committee Member List

No	Portfolio	Name
1	Chair/Conference	Nordin Ramli
2	Chair-Elect/Membership	Bernard Lim
3	Past Chair/Award and Recognition	Md Pauzi Abdullah
4	Honorary Secretary	Nur Idora Abdul Razak
5	Honorary Treasurer	Maizatul Zolkapli
6	Professional Activities & Industrial Relations	Nabilah Ibrahim
7	Communication and Newsletter	Mohd Hafiz Ismail
8	Student Activities	Wan Nurshazwani Wan Zakaria
9	Professional Activities & Industrial Relations	Wong Shaw Fong
10	Humanitarian and Climate Change	Dalila Mat Said
11	Educational Activities	Rozita Jailani
12	Young Professionals	Haroon Rashid
13	Women in Engineering	Fatimah Ibrahim
14	Section Students Representative	Khairun Nazwa Asyikin Khairulnazli
15	Auditor	Norhana Arsad
16	Auditor	Ahmad Shukri Muhammad Noor

A.1.2 Section Highlights

A.1.2.1 The organizational units (OUs) under the Malaysia Section consists of 3 subsections, 24 chapters/joint chapters, 3 council chapters/joint council chapters, 4 affinity groups, 33 student branches, and 23 student branch chapters. This includes the newly formed Systems Council Chapter in 2024.

A.1.2.2 25 OUs were successfully registered as branches with the Registrar of Societies (RoS) Malaysia. 7 other OUs are expected to register with RoS in 2025.

A.1.2.3 In 2024, 20 projects conducted by the section, subsections, chapters, and student branches have received grants and funding from IEEE MGA and R10 to support the activities. The total funding received is USD 84,776.

A.1.2.4 In 2024, there are 55 financially and technically co-sponsored conferences were successfully organized by local OUs in Malaysia.

A.2 Financial Report

A.2.1 The balance sheet, and incomes and expenses of the Malaysia Section account are given as follows:

IEEE Malaysia Section**BALANCE SHEET
AS AT 31 DECEMBER 2024**

Currency : Ringgit Malaysia

	2024	2023
Current Assets		
Maybank Current Account (at 31/12)	117,205.20	164,125.21
Maybank FD Account (at 31/12)	100,000.00	100,000.00
Total Assets	217,205.20	264,125.21
Current Liability (Payable)		
Chapters Annual Grant and Bonus 2023	0	34,995.00
IIUM SB 2023 Rebate	0	477.00
Total Liabilities		35,472.00
Capital Account		
Maybank Current Account (at 1/1)	164,125.21	168,957.66
Maybank FD Account (at 1/1)	100,000.00	100,000.00
Surplus/ Deficit for the Year	-46,920.01	-40304.45
Total Capital Account	217,205.20	228,653.21
Total Capital & Liabilities	217,205.20	264,125.21

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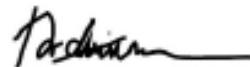
MAIZATUL ZOLKAPLI

Audited by



NORHANA ARSAD

Approved by



NORDIN RAMLI

Audited by



AHMAD SHUKRI MUHAMMAD NOO

IEEE Malaysia Section

INCOME & EXPENSES STATEMENT

Ending 31 December 2024

INCOME

IEEE MGA MEMBERSHIP REBATE

	USD	RM
1 Malaysia Section 2024 IEEE MGA Section Rebate	23,495.90	103,255.08
2 Malaysia Section 2024 IEEE MGA Student Branch Rebate	2,186.00	9,937.56
Subtotal		113,192.64

IEEE HQ/R10 SUPPORT

3 2024 Senior Member Elevation Nomination Incentive		1,409.26
4 2024 Chapter Funding		4,627.00
Subtotal		6,036.26

CONFERENCE CONTRIBUTIONS AND SURPLUS

5 IEEM 2022		8,737.13
6 COMSOC MICC 2023		627.60
7 ISAP 2023		3,000.00
8 ISIEA 2023		200.00
9 ICSECS 2023		200.00
10 ISWTA 2023		200.00
11 AGREATA 2023		300.00
12 ICAEE 2023		500.00
13 ISCI 2023		500.00
14 IEACon 2024		200.00
15 CSS Conference		4,500.00
16 ICCSCE2024		300.00
17 SCORED 2023		62,048.34
18 HTC2024		500.00
19 SMC		500.00
Subtotal		82,313.07

OTHER INCOME

20 FD Interest Earned		2856.27
21 2023 R10 EAD grant		2266.55
22 2023 IEEE Dinner		7850.00
23 IEEE Sales merchandise		710.00
24 SCORED 2023 Seed fund		5000.00
Subtotal		18,682.82

Total Income 220,224.79

EXPENSES

REBATES AND BONUS

1 Chapters Annual Grant 2023	32,567.50
2 Chapters Annual Grant 2024	43,743.25
3 Student Branch Rebate 2023	477.00
4 Student Branch Rebate 2024	9,441.00
Subtotal	86,228.75

MEETINGS AND SOCIAL ACTIVITIES

5 2023 President Visit	6,948.46
6 2024 IEEE MY AGM	54,971.19
7 2024 R10 AGM	8561.73
8 2025 IEEE MY AGM	5,400.00
9 2024 IEEE Dinner	28,230.11
10 2024 IEM Dinner	3,888.00
11 2024 IET Dinner	3,800.00
12 2024 Excom Meeting	8,384.50
13 2024 Chapter Chair Meeting	16,734.45
14 2024 IEEE Day	560.00
15 2024 R10 SYWL	7,000.00
16 2024 R10 Leadership Symposium	3,000.00
17 2024 Section Congress	6,750.00
Subtotal	154,228.44

STUDENT ACTIVITIES

18 UKM SB Student Congress	500.55
19 SB SAC Fund	1,901.80
20 SB LC Travelling allowance	140.00
Subtotal	2,622.35

AWARD AND SPONSORSHIP

21 2024 IEEE Dinner Award	1,815.00
22 2024 IEEE Dinner Certificates	289.20
Subtotal	2,104.20

PROFESSIONAL ACTIVITIES AND INDUSTRIAL RELATIONS ACTIVITIES

23 PAIR fund - PES	1000.00
24 PAIR Fund - CAS	1000.00
25 PAIR Plaque	316.00
26 PAIR Flag	850.00
Subtotal	3,166.00

EDUCATIONAL & HUMANITARIAN ACTIVITIES

27 2024 R10 EA Matching Grant - IC:DC 2024 Integrated Circuit Design Challenge	1,320.00
28 2024 R10 EA Matching Grant - Hands-on Workshop: Exploration into Solar Photovoltaic (PV) System	1,078.00
29 2024 R10 EA Matching Grant - Workshop on Solar-Powered IoT Solutions for Hydroponic Farming Sys	1,474.00
30 EA plaques for STEM4FUN	630.00
31 2023 R10 EAD grant	2,184.00
Subtotal	6,686.00

ADMINISTRATION AND OTHER EXPENSES

32	Canva subscription fees	499.80
33	Webmaster fee	3,707.48
34	Excom name card	280.00
35	Web domain fee	2,581.78
36	ROS registration	40.00
37	ISAP 2023 seed fund	5,000.00

Subtotal 12,109.06

Total Expenses 267,144.80

Deficit/ Surplus - 46,920.01

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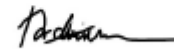
MAIZATUL ZOLKAPLI

Audited by



NORHANA ARSAD

Approved by



NORDIN RAMLI

Audited by



AHMAD SHUKRI MUHAMMAD NOOR

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

B.1.1 Figure B.1.1 presented the trends of total active IEEE members in Malaysia for the last seven years from 2017 until 2024. As shown in Figure B.1.2, the number of active members as of 31 December 2024 is 3111 members. In general, the number of active members for IEEE Malaysia in 2024 has remained flat since 2023. But for there is a huge drop of around 12% for the IEEE student members in 2024 versus 2023. We continue to see an increase overall in the number of active senior members of around 40% since 2017 and it is now constituted around 25% of the overall membership. IEEE Malaysia Section Life Member group also show a steady increase and in 2024 onwards will have almost 20 members.

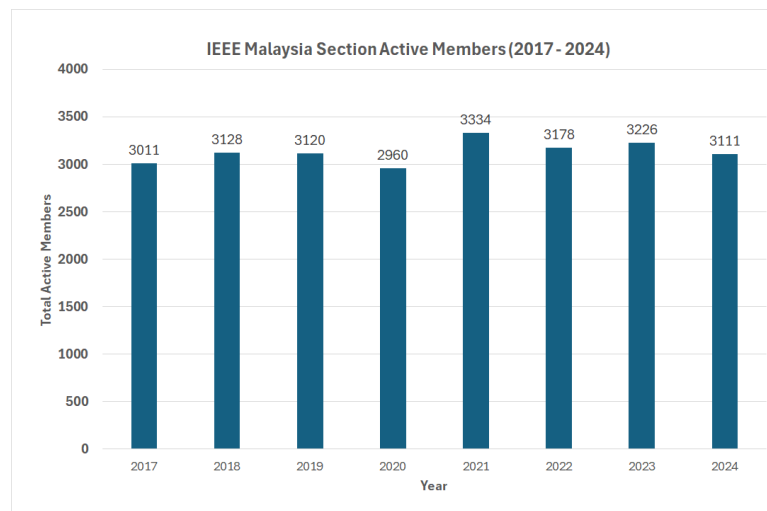


Figure B.1.1: Total Number of IEEE Malaysia Active Members (2017-2024)

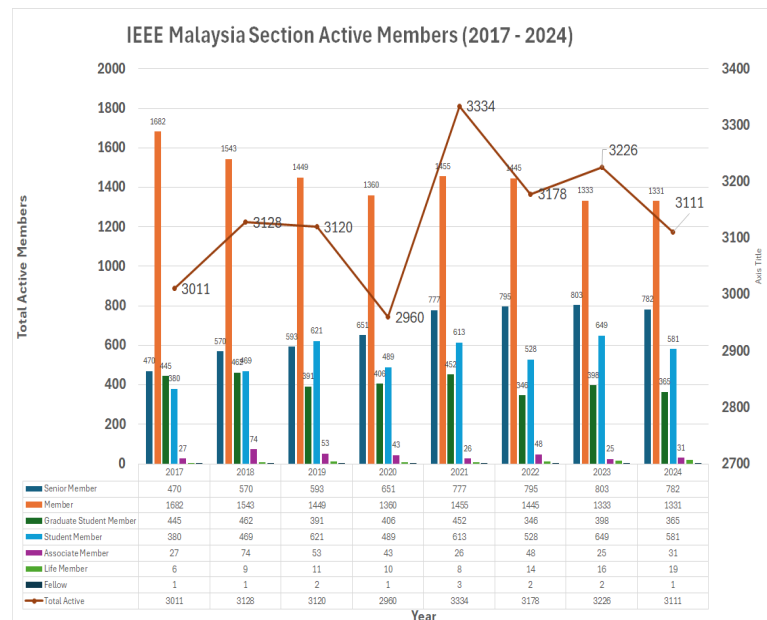


Figure B.1.2: IEEE Malaysia Active Members by Grade (2017-2024), (Data as on 31 December 2024)

B.2 Chapter Activities

- B.2.1 The organizational units (OUs) under the Malaysia Section consists of 3 subsections, 24 chapters/joint chapters, 3 council chapters/joint council chapters, 4 affinity groups, 33 student branches, and 23 student branch chapters.
- B.2.2 There is one OU formed in 2024 which is the Systems Council Chapter.
- B.2.3 Table B.2.1 summarized the number of activities organized in 2024 by each OU based on five main categories.

Table B.2.1: Summary of Chapter Activities in 2024

	Professional	Technical	Non-Technical	Administrative	Humanitarian	Pre-U Program STEM	Total
Sabah Subsection	1	15	3	9	0	1	29
Sarawak Subsection	1	1	0	3	0	1	6
Kuala Lumpur Subsection	7	24	11	12	5	12	71
Antennas And Propagation/Microwave Theory and Techniques/Electromagnetic Compatibility Joint Chapter	16	12	1	13	5	3	50
Computer Society	2	4	0	7	0	0	13
Circuit and Systems Society	9	16	3	2	0	2	32
Consumer Electronics Society	0	0	0	0	0	0	0
Computational Intelligence Society	0	7	0	4	0	0	11
Communication Society/Vehicular Technology Society Joint Chapter	5	25	1	12	0	11	54
Control System Society	0	8	5	4	1	0	18
Dielectrics and Electrical Insulation Society	5	6	5	4	1	0	21
Education Society	1	9	0	1	1	1	13
Electron Devices Society	2	7	1	13	0	8	31
Electron Device/Microwave Theory and Techniques/Solid-State Circuit Penang Joint Chapter	0	9	0	3	3	2	17
Engineering in Medicine and Biology Society	4	5	2	1	1	1	14
Electronics Packaging Society	14	37	5	20	1	0	77
Geoscience and Remote Sensing Society	0	10	0	0	0	1	11
Industrial Electronics/Industry Applications Joint Chapter	1	10	13	4	0	1	29
Instrumentation and Measurement Society	0	9	3	5	1	4	22
Oceanic Engineering Society	10	11	2	10	0	0	33
Power and Energy Society	15	19	2	6	3	2	47
Power Electronics Society	5	9	3	12	0	0	29
Photonics Society	1	13	3	4	0	4	25
Robotics and Automation Society	2	13	0	0	0	4	19
Systems, Man and Cybernetics Society	3	8	0	4	0	0	15
Signal Processing Society	1	10	5	11	0	0	27

Technology and Engineering Management Society	4	4	0	1	0	0	9
Radio Frequency Identification Council	0	7	0	0	0	0	7
Sensors and Nanotechnology Council Joint Chapter	0	16	1	1	0	4	22
Consultants Network Affinity Group	0	4	0	7	0	0	11
Women in Engineering Affinity Group	5	4	0	0	0	9	18
Young Professionals Affinity Group	2	6	2	10	0	1	21
Life Members Affinity Group	0	5	0	2	0	0	7

B.3 Professional and Continuing Education Activities

B.3.1 IEEE R10 EAC Educational Activities Project Development Grant 2024
The IEEE Malaysia Section has successfully secured 8 IEEE Region 10 (R10) Educational Activities Committee (EAC) Project Development Grants for 2024. The total grant amount is USD 3,471, comprising contributions from IEEE R10 and matching funds provided by the IEEE Malaysia Section. Details of the funded projects are given in Table B.3.1.

Table B.3.1: List of R10 EAC Educational Activities Project Development Grant 2024

No	Project Title	Date	Location	Participant	Grant Awarded
1	Hands-on Solar PV Workshop: Exploration into Photovoltaic (PV) Systems	15 & 16 May 2024	Politeknik Mersing, Johor	20 students and 3 teachers from SMK Kahang & SMK Sultan Abdul Jalil	R10: USD 245 IEEEEMY: USD 245
2	Workshop on Solar-Powered IoT Solutions for Hydroponic Farming System	24 & 25 July 2024	Dungun, Terengganu	15 students Secondary School Students & Polytechnic Students	R10: USD 335 IEEEEMY: USD 335
3	IC:DC 2024 Integrated Circuit Design Challenge	18 March to 27 July 2024	Universiti Malaysia Perlis	93 undergraduate students	R10: USD 300 IEEEEMY: USD 300
4	Project Ideation Experience (PIE) 2024	27 May to 30 August 2024	Kolej Tingkatan Enam Pontian, Johor	60 students	R10: USD 400
5	IEEE MUMS4STEM	12 August 2024	Universiti Malaysia Perlis (UniMAP)	30 participants	R10: USD 300
6	SCITECH 9.0	4 May 2024	PPR Kota Damansara	37 participants	R10: USD 400
7	Cybersecurity Awareness for Senior Citizens through Gamification	20 July to 31 August 2024	Kampung Praya & Kampung Pasir Pandak	56 participants	R10: USD 400
8	PyCode Adventure: Mastering Python Through Gamified Learning	28-29 August 2024	PKG Petaling Utama,	30 participants	R10: USD 211

B.3.2 The financially and technically co-sponsored conferences successfully organized in 2024 are given in Table B.3.2.

Table B.3.2: Conferences financially/technically co-sponsored by Malaysia OUs

No	Conference Name	Venue	Date	Format	IEEE Sponsor Name
1	2024 International Conference on Green Energy, Computing and Sustainable Technology (GECOST)	-	17 - 19 January 2024	Virtual	Curtin University Malaysia; Malaysia Section PE Chapter
2	2024 3rd International Conference on Digital Transformation and Applications (ICDXA)	Kuala Lumpur, Malaysia	29 - 30 January 2024	Hybrid (In-person and Virtual)	Malaysia Section CIS Chapter; Tunku Abdul Rahman University of Management and Technology
3	2024 20th IEEE International Colloquium on Signal Processing & Its Applications (CSPA)	Langkawi Island, Malaysia	1 - 2 March 2024	Hybrid (In-person and Virtual)	Malaysia Section CS Chapter
4	2024 IEEE 4th International Conference in Power Engineering Applications (ICPEA)	Pulau Pinang, Malaysia	4 - 5 March 2024	In-person	Malaysia Section PE Chapter; School of Electrical Engineering UiTM
5	2024 IEEE 14th Symposium on Computer Applications & Industrial Electronics (ISCAIE)	Penang, Malaysia	24 - 25 May 2024	Hybrid (In-person and Virtual)	Malaysia Section IE/IA Joint Chapter
6	2024 IEEE International Conference on Automatic Control and Intelligent Systems (I2CACIS)	Shah Alam, Malaysia	29 June 2024	Hybrid (In-person and Virtual)	Malaysia Section CS Chapter
7	2024 IEEE Symposium on Industrial Electronics & Applications (ISIEA)	Kuala Lumpur, Malaysia	6 - 7 July 2024	Hybrid (In-person and Virtual)	Malaysia Section IE/IA Joint Chapter
8	2024 IEEE Symposium on Wireless Technology & Applications (ISWTA)	Kuala Lumpur, Malaysia	20 - 21 July 2024	Hybrid (In-person and Virtual)	Malaysia Section IE/IA Joint Chapter
9	2024 Multimedia University Engineering Conference (MECON)	-	23 - 25 July 2024	Virtual	Malaysia Section SP Chapter; Multimedia University Malaysia
10	2024 IEEE International Conference on Applied Electronics and Engineering (ICAEE)	-	27 July 2024	Virtual	Malaysia Section IE/IA Joint Chapter
11	2024 IEEE 10th International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA)	Bandung, Indonesia	30 - 31 July 2024	Hybrid (In-person and Virtual)	Malaysia Section IM Chapter

12	2024 International Visualization, Informatics and Technology Conference (IVIT)	Kuala Lumpur, Malaysia	7 - 8 August 2024	In-person	Malaysia Section SMC Chapter; Universiti Kuala Lumpur-UniKL
13	2024 International Conference on Future Technologies for Smart Society (ICFTSS)	Kuala Lumpur, Malaysia	7 - 8 August 2024	Hybrid (In-person and Virtual)	Malaysia Section SMC Chapter; Universiti Tun Hussein Onn Malaysia
14	2024 IEEE 6th Symposium on Computers & Informatics (ISCI)	Kuala Lumpur, Malaysia	10 August 2024	Hybrid (In-person and Virtual)	Malaysia Section IE/IA Joint Chapter
15	2024 1st International Conference on Smart Manufacturing Technology, Electrical Engineering, and Robotics (STEER)	Penang, Malaysia	16 - 18 August 2024	In-person	Malaysia Section SMC Chapter; Xiamen University Malaysia
16	2024 IEEE 15th Control and System Graduate Research Colloquium (ICSGRC)	Shah Alam, Malaysia	17 August 2024	Hybrid (In-person and Virtual)	Malaysia Section CS Chapter
17	2024 IEEE International Conference on Semiconductor Electronics (ICSE)	Kuala Lumpur, Malaysia	19 - 21 August 2024	In-person	Malaysia Section; Malaysia Section ED Chapter
18	2024 IEEE 14th International Conference on Control System, Computing and Engineering (ICCSCE)	Penang, Malaysia	23 - 24 August 2024	Hybrid (In-person and Virtual)	Malaysia Section CS Chapter
19	2024 IEEE 10th International Conference on Photonics (ICP)	Pulau Pinang, Malaysia	27 - 29 August 2024	Hybrid (In-person and Virtual)	Malaysia Section PHO Chapter
20	2024 IEEE 1st International Conference on Communication Engineering and Emerging Technologies (ICoCET)	Kepala Batas, Penang, Malaysia	2 - 3 September 2024	Hybrid (In-person and Virtual)	Malaysia Section AP/MTT/EMC Joint Chapter; Universiti Malaysia Perlis - UniMAP
21	2024 IEEE 8th International Conference on Signal and Image Processing Applications (ICSIPA)	Kuala Lumpur, Malaysia	3 - 5 September 2024	In-person	Malaysia Section SP Chapter
22	2024 International Conference on Computing Innovation, Intelligence, Technologies and Education (CIITE)	Selangor, Malaysia	5 - 7 September 2024	In-person	Malaysia Section; Malaysia Section C Chapter; Xiamen University Malaysia
23	2024 7th International Conference on Internet Applications, Protocols, and Services (NETAPPS)	Kuala Lumpur, Malaysia	6 - 7 November 2024	Hybrid (In-person and Virtual)	Malaysia Section VT/COM Joint Chapter; Universiti Utara Malaysia
24	2024 IEEE International Conference on Agrosystem Engineering,	Kuala Lumpur, Malaysia	7 September 2024	Hybrid (In-person and Virtual)	Malaysia Section IE/IA Joint Chapter

	Technology & Applications (AGRETA)				
25	2024 IEEE International Conference on Advanced Telecommunication and Networking Technologies (ATNT)	Johor Bahru, Malaysia	9 - 10 September 2024	Hybrid (In-person and Virtual)	Faculty of Electrical Engineering, Universiti Teknologi Malaysia; Malaysia Section AP/MTT/EMC Joint Chapter
26	2024 IEEE International Conference on Advanced Power Engineering and Energy (APEE)	Johor Bahru, Malaysia	10 - 11 September 2024	In-person	Malaysia Section PEL Chapter; Universiti Teknologi Malaysia
27	2024 5th International Conference on Smart Sensors and Application (ICSSA)	Penang, Malaysia	10 - 12 September 2024	Hybrid (In-person and Virtual)	Faculty of Artificial Intelligence, Universiti Teknologi Malaysia; Malaysia Section IM Chapter
28	2024 IEEE 40th International Electronics Manufacturing Technology (IEMT)	Penang, Malaysia	16 - 18 October 2024	In-person	IEEE Electronics Packaging Society; Malaysia Section; Malaysia Section EP Chapter; SCV/OEB/SF Jt. Section EP Chapter
29	2024 IEEE 10th International Conference on Underwater System Technology: Theory and Applications (USYS)	Xi'an, China	18 - 20 October 2024	Hybrid (In-person and Virtual)	Malaysia Section OE Chapter; Northwestern Polytechnical University
30	2024 IEEE 7th International Symposium on Telecommunication Technologies (ISTT)	Langkawi Island, Malaysia	21 - 22 October 2024	In-person	Malaysia Section VT/COM Joint Chapter
31	2024 International Conference on Electrical, Communication and Computer Engineering (ICECCE)	Kuala Lumpur, Malaysia	30 - 31 October 2024	Hybrid (In-person and Virtual)	Malaysia Section SP Chapter; Multimedia University Malaysia; University of Buner
32	2024 IEEE International Conference on Power and Energy (PECon)	Kuala Lumpur, Malaysia	4 - 5 November 2024	In-person	Malaysia Section PEL Chapter
33	2024 IEEE Industrial Electronics and Applications Conference (IEACon)	Kuala Lumpur, Malaysia	4 - 5 November 2024	In-person	IEEE Industry Applications Society; Malaysia Section IE/IA Joint Chapter
34	2024 16th International Conference on Knowledge and System Engineering (KSE)	Kuala Lumpur, Malaysia	5 - 7 November 2024	Hybrid (In-person and Virtual)	Malaysia Section C Chapter; PECAMP

35	2024 1st International Conference on Cyber Security and Computing (CyberComp)	Melaka, Malaysia	6 - 7 November 2024	Hybrid (In-person and Virtual)	Malaysia Section C Chapter; Universiti Tun Hussein Onn Malaysia
36	2024 9th International Conference on Information Technology and Digital Applications (ICITDA)	Nilai, Negeri Sembilan, Malaysia	7 - 8 November 2024	Hybrid (In-person and Virtual)	Department of Informatics, Universitas Islam Indonesia; Malaysia Section C Chapter
37	2024 IEEE 7th International Conference on Electrical, Electronics and System Engineering (ICEESE)	Kanazawa, Japan	19 - 20 November 2024	Hybrid (In-person and Virtual)	Kanazawa Institute of Technology; Malaysia Section E Chapter
38	2024 IEEE 13th International Conference on Engineering Education (ICEED)	Kanazawa, Japan	19 - 20 November 2024	Hybrid (In-person and Virtual)	Engineering and Technical Education Research (EnTER); International College of Technology, Kanazawa; Malaysia Section E Chapter
39	2024 IEEE Sustainable Power and Energy Conference (iSPEC)	Kuching, Sarawak, Malaysia	24 - 27 November 2024	In-person	Chinese Society for Electrical Engineering; IEEE Power & Energy Society; Malaysia Section PE Chapter
40	2024 IEEE 12th Conference on Systems, Process & Control (ICSPC)	Malacca, Malaysia	7 December 2024	Hybrid (In-person and Virtual)	Malaysia Section CS Chapter
41	2024 IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES)	Penang, Malaysia	11 - 13 December 2024	Hybrid (In-person and Virtual)	IEEE Engineering in Medicine and Biology Society; Malaysia Section EMB Chapter
42	2024 IEEE International Conference on Computing (ICOCO)	Kuala Lumpur, Malaysia	12 - 14 December 2024	Hybrid (In-person and Virtual)	Malaysia Section C Chapter
43	2024 International Conference on TVET Excellence & Development (ICTeD)	Melaka, Malaysia	16 - 17 December 2024	Hybrid (In-person and Virtual)	Malaysia Section E Chapter; Universiti Teknikal Malaysia Melaka
44	2024 IEEE 22nd Student Conference on Research and Development (SCOReD)	Selangor, Malaysia	19 - 20 December 2024	In-person	Malaysia Section; Universiti Teknologi MARA (UiTM) Shah Alam
45	2024 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE)	Langkawi, Kedah, Malaysia	21 - 23 December 2024	In-person	Malaysia Section AP/MTT/EMC Joint Chapter
46	2024 IEEE International Conference on Artificial Intelligence in	Kota Kinabalu, Malaysia	26 - 28 August 2024	Hybrid	Sabah Subsection

	Engineering and Technology (IICAJET)			(In-person and Virtual)	
47	2024 IEEE 12th Region 10 Humanitarian Technology Conference (R10-HTC)	Kuala Lumpur, Malaysia	1 - 3 October 2024	In-person	Kuala Lumpur Subsection; Region 10 - Asia and Pacific
48	2024 International Conference on Higher Education Learning and Teaching (ICHELT)	Miri, Malaysia	3 - 4 October 2024	In-person	Curtin University Malaysia; Sarawak Subsection
49	2024 18th International Conference on Ubiquitous Information Management and Communication (IMCOM)	Kuala Lumpur, Malaysia	3 - 5 January 2024	Hybrid (In-person and Virtual)	IEEE Systems, Man, and Cybernetics Society; Sungkyunkwan University
50	2024 9th International Conference on Mechatronics Engineering (ICOM)	Kuala Lumpur, Malaysia	13 - 14 August 2024	Hybrid (In-person and Virtual)	IEEE Robotics and Automation Society; International Islamic University Malaysia
51	2024 IEEE International Conference on Systems, Man, and Cybernetics (SMC)	Kuching, Malaysia	6 - 10 October 2024	In-person	IEEE Systems, Man, and Cybernetics Society
52	2024 9th International Conference on Control, Robotics and Cybernetics (CRC)	Penang, Malaysia	21 - 23 November 2024	Hybrid (In-person and Virtual)	IEEE Robotics and Automation Society; Universiti Sains Malaysia
53	2024 6th International Conference on Electrical, Control and Instrumentation Engineering (ICECIE)	Pattaya, Thailand	23 November 2024	Hybrid (In-person and Virtual)	IEEE Industry Applications Society; Malaysia Society of Instrument and Control Technology (MSICT)
54	2024 3rd International Conference on Clean Energy Storage and Power Engineering (CESPE)	Sanya, China	6 - 8 December 2024	Hybrid (In-person and Virtual)	IEEE Power & Energy Society; International Islamic University Malaysia; International Water Association; Islamia University of Bahawalpur; Sultan Sharif Ali Islamic University; University of Shanghai for Science and Technology
55	2024 IEEE 17th International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoc)	Kuala Lumpur, Malaysia	16 - 19 December 2024	Hybrid (In-person and Virtual)	Adaptive Systems Laboratory; IEEE Computer Society

B.4 Student Activities

B.4.1 In 2024, there are 33 Student Branch (STB) and 23 Student Branch Chapter/Affinity Group (SBC/SBA) registered under the IEEE Malaysia Section. All SBC and SBA come under the responsibility of the Student Branch. The Malaysia Section supports SBC and SBA initiatives via the STB. However, SBCs and SBAs should also reach out to their respective technical chapter/affinity groups for support (technical and financial). Technical chapters and affinity groups are encouraged to reach out and provide support to their respective SBCs/SBAs.

B.4.2 Summary of activities by Section Student Activities Committee is given in Table B.4.1.

Table B.4.1: Summary of activities by Section Student Activities Committee

No.	Date	Event	Details
1.	21 Apr 2024	IEEE Malaysia Section Robotics Competition	Virtual event with 8 teams from local universities. KAWA IEEE won 1st place, UiTM Robopioneers 2nd, and ROBO IEEE UMS 3rd. Promoted robotics education and innovation.
2.	2024	IEEE Malaysia Final Year Project (FYP) Competition	97 students participated across 22 technical tracks. Recognized winners with Best Award (RM 300) and two Merit Awards (RM 200, RM 150). Supported by IEEE societies.
3.	15 Dec 2024	IEEE Student Leadership Meeting 2024	Virtual event via Google Meet for student branch leaders. Covered vTools reporting, leadership strategies, and best practices. Strengthened student branches.
4.	19-20 Dec 2024	IEEE SCOReD 2024 Conference	Hosted by IEEE Malaysia Section and UiTM. Featured 4 keynote speakers and 132 accepted technical papers out of 166 submissions.

B.4.3 Summary of Student Branch activities reported on vTools in 2024 are given in Table B.4.2.

Table B.4.2: Summary of Student Branch Activities

Name	Prof	Tech	Non-Tech	Admin	Hum	Pre-U	Total
Asia Pacific Univ of Tech and Innovation	0	1	1	0	0	0	2
Curtin University - Sarawak	1	5	3	3	0	4	16
Geomatika University College	0	0	0	0	0	0	0
INTI International University	0	0	0	0	0	0	0
International Islamic University Malaysia	0	5	0	8	0	0	13
Monash Univ Sunway Campus	0	0	0	0	0	0	0
Multimedia University	4	6	0	0	0	3	13

Name	Prof	Tech	Non-Tech	Admin	Hum	Pre-U	Total
Putra Malaysia Univ	3	7	4	3	0	0	17
Swinburne University of Technology-Kuching	0	12	1	8	0	1	22
Taylors University	0	0	0	0	0	0	0
UCSI University	0	0	0	0	0	0	0
Universiti Kebangsaan Malaysia	5	1	5	1	0	0	12
Universiti Kuala Lumpur	0	0	0	0	0	0	0
Universiti Malaysia Perlis	11	8	0	1	0	2	22
Universiti Malaysia Sabah	1	14	2	1	0	2	20
Universiti Pendidikan Sultan Idris	0	0	0	0	0	0	0
Universiti Sains Malaysia	0	8	0	0	0	0	8
Universiti Teknikal Malaysia Melaka	0	0	0	0	0	0	0
Universiti Teknologi Malaysia-Johor bahru	0	0	0	0	0	0	0
Universiti Teknologi Malaysia-Kuala Lumpur	0	5	1	0	0	5	11
Universiti Teknologi Mara	4	1	4	0	0	2	11
Universiti Teknologi Petronas	0	0	0	0	0	0	0
Universiti Tenaga Nasional	0	3	6	1	0	1	11
Universiti Tun Hussein Onn Malaysia	0	0	0	0	0	0	0
Universiti Tunku Abdul Rahman	0	5	0	0	0	0	5
Universiti Utara Malaysia	0	0	0	0	0	0	0
University of Malaya	0	5	1	2	0	0	8
University of Nottingham - Malaysia Campus	2	4	3	0	0	0	9
University of Southampton Malaysia	1	4	4	0	0	0	9
University of Technology Sarawak	0	10	1	0	1	0	12

Name	Prof	Tech	Non-Tech	Admin	Hum	Pre-U	Total
Xiamen University Malaysia	1	12	0	0	0	0	13

B.5 Affinity Group Activities

B.5.1 Consultant Network Affinity Group (CNAG)

Table B.5.1: Summary activities organized by CNAG

No.	Date	Event	Details
1.	7 Jan 2024	9th EESEE 2024	Engaged pre-university students in engineering careers. (17 IEEE members, 60 non-members)
2.	1 Mar 2024	IEEE YP Malaysia Climate Action Summit	Virtual summit with talks on sustainability and green technology. (130+ participants per session)
3.	1 Mar 2024	Membership Drive: Becoming Part of IEEE YP	Encouraged IEEE engagement and networking. (80 IEEE members, 40 non-members)
4.	30 Jul 2024	Final Year Project Exhibition (FYP Day 2024)	Sponsored by IEEE YP Malaysia, recognizing innovation. (20 IEEE members, 60 non-members)
5.	30 Aug 2024	IEEE SYWL R10 Congress – YP Session	Regional collaboration event with participants across Region 10.
6.	21 Sep 2024	Sustainability Declaration 2024	Represented by IEEE YP Malaysia Chair, focusing on sustainability awareness and green technology in engineering.
7.	15 Dec 2024	IEEE Malaysia Section Final Year Project Competition	Virtual event with 63 project submissions in the YP track.
8.	14 Dec 2024	Young Professionals Holiday Connect	Co-hosted with IEM-YES, fostering networking and engagement. (12 IEEE members, 54 non-members)

B.5.2 Women in Engineering (WIE)

Table B.5.2: Summary activities organized by WIE

No.	Date	Event	Details
1.	30 Jan 2024	IEEE WIE AGM	AGM is held virtually via Microsoft Teams. 2023 committee retained for 2024. Secretary and Communication & Newsletter roles reassigned. Souvenirs given to attendees.
2.	7 Mar 2024	World Sleep Day & Sleep Medicine Symposium	Prof. Ir. Dr. Fatimah Ibrahim participated in discussions on advancements in sleep medicine.
3.	22 Mar 2024	From Ideation to Impact: Humanitarian Projects	Prof. Ir. Ts. Dr. Norliza Mohd Noor shared insights into technology-driven humanitarian projects.
4.	27-29 May 2024	Designing Robot Car using 3D Pen	STEM workshop at Kem Ibadah Cuti Sekolah introducing students to robotics and 3D design.
5.	14 May 2024	Industry Forum Round Table (IEEE R10 WIE)	Prof. Ir. Dr. Fatimah Ibrahim represented Malaysia among the top 10 dynamic R10 WIE Affinity Groups.

6.	23 Sep 2024	Women Empowerment & Technopreneurship Forum (ICIBEL 2024)	Collaboration with WIE R10, WIE Indonesia, and UM on women's role in STEM and entrepreneurship.
7.	17-19 Sep 2024	Design-Bots Workshop	Conducted at Masjid Kolej Islam Malaya for 40 students, focusing on robot sketching, 3D modeling, and printing.
8.	1 Oct - 21 Nov 2024	STEM Exhibitions	Exhibitions at AKRI 2024, Fairview International Schools, KLESF 2024, and UM Library Open Day, engaging hundreds in robotics and digital design.
9.	2 Oct 2024	Empowering Women in Disaster Response & Recovery (IEEE R10 WIE Session)	Dr. Raja Jamilah participated as a panelist in discussions on women's roles in disaster management.
10.	11 Nov 2024	My First Robotic Camp	Led by Prof. Ir. Datin Dr. Wahidah Mansor, introducing beginners to robotics and coding through hands-on activities.
11.	2 Series in 2024	Meet the Leaders Series	Hosted by WIE Malaysia Professional portfolio, featuring top-ranked IEEE personnel discussing various topics.
12.	Throughout 2024	FYP & IDP Support	Sponsored awards for FYP & IDP projects at Universiti Malaya, UNITEN, and University of Nottingham.

B.5.3 Young Professionals (YP)

Table B.5.3: Summary activities organized by YP

No.	Date	Event	Details
1.	7 Jan 2024	9th EESEE 2024	Engaged pre-university students in engineering careers. (17 IEEE members, 60 non-members)
2.	1 Mar 2024	IEEE YP Malaysia Climate Action Summit	Virtual summit with talks on sustainability and green technology. (130+ participants per session)
3.	1 Mar 2024	Membership Drive: Becoming Part of IEEE YP	Encouraged IEEE engagement and networking. (80 IEEE members, 40 non-members)
4.	30 Jul 2024	Final Year Project Exhibition (FYP Day 2024)	Sponsored by IEEE YP Malaysia, recognizing innovation. (20 IEEE members, 60 non-members)
5.	30 Aug 2024	IEEE SYWL R10 Congress – YP Session	Regional collaboration event with participants across Region 10.
6.	21 Sep 2024	Sustainability Declaration 2024	Represented by IEEE YP Malaysia Chair, focusing on sustainability awareness and green technology in engineering.
7.	15 Dec 2024	IEEE Malaysia Section Final Year Project Competition	Virtual event with 63 project submissions in the YP track.
8.	14 Dec 2024	Young Professionals Holiday Connect	Co-hosted with IEM-YES, fostering networking and engagement. (12 IEEE members, 54 non-members)

B.5.4 Life Member (LM)

On 17 August 2023, IEEE Member and Geographic Activities Vice President, Jill Gostin inform us that IEEE Malaysia Section had met all the requirements and agree with the formation of Life Member Affinity Group Malaysia Section. The effective date of affinity group formation is 17 August 2023. After the formation of IEEE LMAG, it is currently being led by Bernard Lim, IEEE Malaysia Section Chair-Elect and is currently the LMAG Coordinator. There were 2 LMAG Committee meetings held in the year 2024 and five

technical meetings organized. In 2024, LMAG also organized the IEEE R10 LMAG Track that coincides with the IEEE R10 HTC held at the Royale Chulan Hotel, Kuala Lumpur. By the end of December 2024, our membership list, there are a total of 20 life fellow, life senior members or life members. Up to the end of December 2024, LMAG had also been organizing up to 7 technical activities.

B.6 Awards & Recognition Activities

B.6.1 Award constituted by the Section

No.	Award Name	Recipients
1.	2023 IEEE Malaysia Outstanding Student Volunteer Award	Muhammad Asif bin Shaik Saffarudin (MMU Student Branch)
2.	2023 IEEE Malaysia Outstanding Woman in Engineering (WIE) Volunteer Award	Eu Poh Leng
3.	2023 IEEE Malaysia Outstanding Volunteer Award	Nur Ashida Salim
4.	2023 IEEE Malaysia Outstanding Industry Volunteer Award	Yik Yee Tan
5.	2023 IEEE Malaysia Leadership Award	Norliza Mohd Noor
6.	2023 IEEE Malaysia Humanitarian Technology Activities Award	Off-Grid Photovoltaic System (OGPV) at Kg. Berasau, Kluang Johor (Team: Mohd Noor Abdullah, Siti Amely Jumaat, Ahmad Fateh Mohamad Nor)
7.	2023 IEEE Malaysia Professional Activities Award	Workshop on Navigating the Job Market - Crafting Resumes & Acing Interviews by EMBS Malaysia Chapter (Team: Siti Anom Ahmad, Nurul Fauzani Jamaluddin, Wahidah Mansor, Ezreen Farina Shair, Afaf Rozan Mohd Radzol, Nurhazimah Nazmi)
8.	2023 IEEE Malaysia Educational Activities Award	Arduino Youth Exhibit (AYE) by MMU Student Branch (Team: Hannah Sofea Roslee, Muhammad Asif Shaik Saffarudin)
9.	2023 IEEE Malaysia Industry Activities Award	Technical Talk & Workshop - Shaping the Future of Healthcare by EMBS Malaysia Chapter (Team: Siti Anom Ahmad, Nurul Fauzani Jamaluddin, Wahidah Mansor, Ezreen Farina Shair, Afaf Rozan Mohd Radzol, Nurhazimah Nazmi)
10.	2023 IEEE Malaysia Activity Innovation Award	Mini Automatic Solar Tracker Design Challenge by UM Student Branch (Team: Hafiz Muhammad Fahad Noman, Alina Aslam, Sachin Chandravadan Karad, Shapla Khanam, Mohammad Ahsan Habib)
11.	2023 IEEE Malaysia Outstanding New Student Branch Award	University of Technology Sarawak Student Branch (UTS SB)
12.	2023 IEEE Malaysia Outstanding Student Branch Award	Multimedia University Student Branch (MMU SB)
13.	2023 IEEE Malaysia Outstanding Medium Chapter Award	IEEE Signal Processing Society (SPS) Malaysia Chapter
14.	2023 IEEE Malaysia Outstanding Large Chapter Award	IEEE Malaysia Communications Society (ComSoc) and Vehicular Technology Society (VTS) Joint Chapter
15.	IEEE Malaysia Industry Award 2024 for Engineering Excellence	TNB Repair and Maintenance Sdn. Bhd. (REMACO)
16.	IEEE Malaysia Industry Award 2024 for Excellence in Sustainability	Jabil Circuit Sdn. Bhd.
17.	IEEE Malaysia Industry Award 2024 for Engineering Leadership	NXP Malaysia Sdn. Bhd.

18.	IEEE Malaysia Corporate Partnership Award 2024	Tenaga Nasional Berhad (TNB)
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B.6.2 Awards and Recognitions received by the Section, and members in the Section, from R10 and IEEE HQ during the year 2024:

No.	Award	Recipient
1.	IEEE Member and Geographic Activities (MGA) - IEEE Regional Exemplary Student Branch Award 2024	IEEE Multimedia University Student Branch
2.	IEEE Region 10 Outstanding Volunteer Award 2024	Norliza Mohd Noor
3.	IEEE Outstanding Branch Counselor and Branch Chapter Advisor Award 2024	Norhana Arsad, Universiti Kebangsaan Malaysia Student Branch
4.	High Performing Student Branch Chapter Program 2023 – 2024	IEEE Power & Energy Society UITM Student Branch Chapter

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

B.7.1 The Quarterly Newsletter serves as a dedicated platform for the IEEE Malaysia Section, Subsections, Technical Societies, Affinity Groups, and Student Branches, to showcase and share the diverse range of activities conducted throughout the year. This informative publication, which obtained its ISSN number in June 2017 (eISSN: 2590-3608), plays a crucial role in disseminating valuable insights into the achievements and initiatives undertaken by various organizational units within the IEEE Malaysia Section. Accessible for download at <https://ieeemy.org/section/category/newsletter/>, the Quarterly Newsletter encapsulates the collaborative efforts and accomplishments of the IEEE Malaysia Section and its organizational units. In the year 2024, a total of four newsletters were published, each edition containing a wealth of information contributed by the IEEE Malaysia Section, Subsections, Affinity Groups, Technical Societies, and Student Branches.

B.7.2 The link to the IEEE Malaysia Section website is <https://ieeemy.org/>. The website is organized into seven user-friendly tabs, each offering valuable insights into the IEEE Malaysia Section and its organizational units. The IEEE Malaysia Section’s website has been updated with 263 new contents, including announcements, events, and activities. Between 1 January 2024 and 31 December 2024, the website attracted an impressive 266,454 visits and recorded a total of 1,127,851 hits. The website's global reach is evident, with the majority of visitors originating from the United States, followed by Malaysia, Singapore, Bulgaria, Indonesia, China, Japan, Philippines, India, and other countries. Traffic sources include search engines, direct visits, referrals, email campaigns, and social media platforms, demonstrating a diverse range of access channels.

B.7.3 Members can stay connected and updated with the IEEE Malaysia Section through our diverse communication platform:

- i. Official Website: <https://ieeemy.org/section/>
- ii. Facebook Page: <https://www.facebook.com/IEEE.my/>
- iii. LinkedIn: <https://www.linkedin.com/company/ieee-malaysia-section/>
- iv. Telegram: <https://t.me/+SoFq-kvMwOxkNmRI>
- v. Mailing List: IEEEMY@listserv.ieee.org

B.8 Industry Relations

B.8.1 In 2024, IEEE Malaysia Section on Professional Activities and Industrial Relations, in collaboration with several IEEE Malaysia Chapter Societies, successfully conducted the onsite technical visits as listed in Table B.3.1. The visits aimed to provide a platform for networking for IEEE members and an avenue for technical discussion.

Table B.3.1: List of onsite technical visit organized in 2024

No.	Company	Venue	Date	Participation
1.	BBraun Penang	Bayan Lepas, Penang	18 January 2024	17 IEEE members and non-members
2.	Boston Scientific Penang	Simpang Ampat, Penang	1 March 2024	42 IEEE members and non-members
3.	Aemulus Penang	Bayan Lepas, Penang	15 March 2024	40 IEEE members and non-members
4.	Intel Malaysia	Bayan Lepas, Penang	16 August 2024	30 IEEE members and non-members
5.	Department of Irrigation and Drainage Sarawak	Kuching, Sarawak	21 November 2024	20 IEEE members and non-members

B.8.2 Other professional activities:

No.	Activity	Date	Venue	Summary
1	Industrial Talks on Semiconductor Field	10 May & 23 May 2024	IEEE Malaysia (Virtual & Physical)	Two talks focused on the semiconductor industry, organized in collaboration with IEEE Malaysia EPS & EMBS, attended by nearly 50 participants.
2	Medinvest Sdn Bhd Talk on Incineration Technology	28 October 2024	IEEE Malaysia	A talk by Medinvest Sdn Bhd on waste management and treatment incineration technology in Malaysia, delivered by Haji Tariq bin Fuad.
3	Intel Malaysia Talk: Advanced Packaging for Heterogeneous Integration	5 December 2024	IEEE Malaysia & IEEE Sabah Subsection	A seminar on semiconductor advancements and heterogeneous integration, attended by 81 participants, presented by Ir. Dr. Shaw Fong Wong.
4	MBoT Northern Symposium	11 May 2024	Wawasan Open University (WOU)	A symposium organized with MBoT, gathering 250 participants, including 20 IEEE members, to enhance IEEE Malaysia's visibility and impact.
5	IEEE EPS Industry Day 2024	19 October 2024	CEDEC USM, Penang	An industry-focused event with talks from IEEE Fellows and experts, fostering knowledge exchange on industrial advancements.

B.9 Humanitarian Technology Activities**B.9.1 Humanitarian Technology related activities supported by the Section including collaboration with other OUs:**

No.	Activity	Date	Venue	Summary
1	Off-Grid Photovoltaic (PV) System Installation	29 February 2024	Kampung Orang Asli Sungai Layau, Kota Tinggi, Johor	A collaborative effort by UTM, ILP Mersing, KK Beaufort, and IKBN Jitra to install off-grid PV systems at two jetties. The project, under

				IEEE Malaysia Section Humanitarian Activities and Climate Change Committee (HACC), enhances nighttime safety, promotes renewable energy, and supports rural development.
2	"From Ideation to Impact" Webinar	22 March 2024	Online (Hosted by IEEE Malaysia Section, IEEE Kuala Lumpur Subsection, IEEE Power Energy and Society Malaysia Chapter)	A webinar showcasing technology-driven humanitarian projects, featuring insights from IEEE leaders and recipients of IEEE HTB/SIGHT Fund 2023. Presentations covered renewable energy, IoT for aquaculture, and rural electrification. The event emphasized collaboration, innovation, and knowledge-sharing to drive social impact.
3	Knowledge Transfer Program (KTP)	29 Mar 2024	Kampung Sungai Layau, Johor	Provided training on managing off-grid photovoltaic (PV) systems to local fishermen and residents, ensuring sustainability and community empowerment.
4	Hands-On Workshop: Exploration into Solar PV System	15-16 May 2024	Politeknik Mersing (PMJ)	Educated 20 students on solar PV technology through hands-on experiments and site visits, fostering interest in renewable energy careers.
5	Island EcoSensors Expedition 1: Solar-Powered Sea-Turtle Nesting Monitoring Project	18 Sep 2024	Tengah Island, Mersing	Trained 15 participants on solar-powered IoT applications for sea turtle conservation, integrating technology with environmental sustainability.
6	Island EcoSensors Expedition 2: IoT-Weather Station Project	19 Sep 2024	Tengah Island, Mersing	Engaged students and conservationists in building and deploying solar-powered weather monitoring systems for remote areas.
7	Workshop on Solar-Powered IoT Solutions for Hydroponic Farming	10-11 Aug 2024	Universiti Malaysia Terengganu (UMT)	Introduced pre-university students to IoT-integrated hydroponic farming systems powered by solar energy.
8	Cybersecurity Awareness for Senior Citizens through Gamification	20 Jul & 31 Aug 2024	Kampung Praya & Kampung Pasir Pandak, Sarawak	Educated senior citizens on cybersecurity threats using gamification to enhance digital safety awareness.
9	Technical Talk: "Empowering Communities Through Sustainable Energy Solutions"	4 Oct 2024	Online (CISCO Webex)	Featured presentations on renewable energy projects improving rural communities' access to sustainable power solutions.

B.10 Community Activities

- B.10.1 The IEEE Malaysia Section celebrated IEEE Day in October 2024 with a series of impactful events that showcased technological advancements, industry collaborations, and humanitarian efforts. The celebration commenced with a cake-cutting ceremony during the opening of the R10 Humanitarian Technology Conference (HTC) at Royale Chulan, Kuala Lumpur, symbolizing IEEE's commitment to innovation and community engagement.
- B.10.2 As part of the celebrations, an online webinar titled "Empowering Communities Through Sustainable Energy Solutions" was jointly organized by IEEE Malaysia Section (Humanitarian Activities & Climate Change), IEEE Power and Energy Society Malaysia Chapter, and the Centre of Electrical Energy Systems (CEES), Universiti Teknologi Malaysia (UTM). This webinar provided insights into sustainable energy solutions and their impact on communities.
- B.10.3 Additionally, the IEEE Malaysia Communications Society & Vehicular Technology Society (ComSoc/VTS) Joint Chapter and IEEE ComSoc Sri Lanka Chapter co-organized a Virtual Distinguished Lecturer Program under the IEEE ComSoc Sister Chapter Program. The session, titled "Riding the New Wave: Spectrum Strategies for the 5G and 6G Era", featured Mischa Dohler, VP of Emerging Technologies at Ericsson Inc., as the distinguished speaker, offering valuable insights into the future of wireless communication.
- B.10.4 A significant highlight of the celebration was the 2024 Industry Conclave, the first of its kind in Malaysia, organized by the IEEE Malaysia Section in conjunction with IEEE R10 HTC, with support from the IEEE R10 Industry Relations Committee. This event brought together industry leaders, researchers, and professionals to discuss key industry trends and challenges.
- B.10.5 Furthermore, the IEEE Electronic Packaging Society Industry Day 2024 provided a platform for knowledge exchange between academia and industry, strengthening IEEE's engagement with the professional and research communities. Through these diverse activities, the IEEE Malaysia Section successfully celebrated IEEE Day 2024, reinforcing its mission to foster innovation, collaboration, and technological progress within Malaysia and beyond.

PART C - OTHERS

C.1 Special Events

- C.1.1 The IEEE Malaysia Inspiration Night, an annual dinner and awards ceremony, is a prestigious event that celebrates engineering excellence, fosters collaboration, and recognizes outstanding contributions in the field. The 2024 edition, themed Engineering Excellence Night: A Symphony of Collaboration and Innovation, took place on July 6 at Le Meridien Putrajaya. This special event serves as a platform for networking, knowledge exchange, and strengthening industry-academia relationships, ultimately driving innovation and professional growth. Significant funding has been secured through IEEE and external sources, including generous sponsorships. Tenaga Nasional Berhad and TNB Repair and Maintenance Sdn. Bhd. (REMACO) are the event's Diamond Sponsors, with Jabil Circuits Sdn. Bhd. as the Gold Sponsor and NXP Malaysia Sdn. Bhd. as the Silver Sponsor. Additionally, key supporters such as The Institution of Engineers Malaysia (IEM), The Institution of Engineering and Technology (IET), The Electrical and Electronics Association of Malaysia (TEEAM), Asia Pacific University of Technology & Innovation (APU), Duopharma, and INR Design have contributed to making this event a success.

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- C.2.1 IEEE Malaysia Section maintains strong relationships with national and international engineering societies, including The Institution of Engineers Malaysia (IEM), The Institution of Engineering and Technology (IET), and the Malaysia Board of Technologists

(MBOT). While no formal agreements have been signed, these collaborations are instrumental in advancing technical knowledge and professional development. Joint activities include organizing technical visits with IEM and IET, participating in the *Sustainability Declaration 2024* on September 21 at the KL Convention Center to pledge a shared commitment toward a sustainable and innovative future, and partnering in *Engineer & Marvex 2024*. Additionally, IEEE collaborates with MBOT for the *MBOT Northern Symposium 2024*, further strengthening professional engagement. These partnerships benefit IEEE members by providing opportunities for technical learning, networking, and participation in high-impact industry events. The IEEE Malaysia Section also gains from these collaborations through enhanced visibility, support in membership development, access to premium event venues, and cost savings for organizing key initiatives.

C.4 Support extended to Sub-sections & Society Chapters within the Section

- C.4.1 Malaysia Section distributed RM 1,000 annual grants to each technical chapter, council and affinity group to support their activities.
- C.4.2 For the three subsections – Kuala Lumpur, Sabah and Sarawak, Section distributed RM 2,000 annual grants for each subsection.
- C.4.3 Section organized leadership camp, where the organization's best practices are shared especially for the chairs, secretaries and treasurers.
- C.4.4 Malaysia Section also contributed to the matching grants for projects that received grants from R10.
- C.4.5 Besides, the Malaysia Section also provided support funds for professional and industry relation activities and student activities to the subsections and society chapters.

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefit of members)

- C.5.1 Each year, IEEE Malaysia organized a leadership camp for new chapter/AG/Subsection chairs, secretaries, and treasurers. In this camp, the volunteers were given training on section management, vTools, OU analytics, and other key information to assist them in organizing their activities. A similar camp was also organized each year for student branch volunteers with the content tailored to running student branches and student branch chapters.
- C.5.2 IEEE Malaysia section conducted two meetings with the chapter chairs annually. The meetings were held on 10 August 2024 and 30 November 2024 mainly to discuss the best practices and activities planning for the year.
- C.5.3 In 2024, the Malaysia Section has organized one Senior Membership elevation workshops on 3 August 2024. Malaysia Section had also organized a webinar on: Towards the IEEE Fellow Grade and we got the privilege to have Dr Don Tan, who was the Chair of the IEEE Fellow Committee on 11 January 2024.

C.6 Problems anticipated and suggestions for solutions, if any

- C.6.1 The main problem faced by the section is to attract industry members. The number of industry members in Malaysia is relatively small compared to the members from academia and student members. One of the plans was to conduct workshop or seminar that delivered by industry members thus would be able to attract more industry members to join.

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

D.1.1 The Section will continue to support all activities that are already in the pipeline from the previous years. Established annual activities such as the leadership camp, senior member elevation workshop, member-get-member rewards, SCORED conference, and FYP competition will be continued. At the same time the Section will continue with activities that will nurture the IEEE Malaysia Student Branch so that they remain active and relevant to their community. Section will encourage more participation from Student Branches in embarking community work and social responsibility especially to the underserved community.

D.2 Goals and Future Plans

D.2.1 To improve member retentions and new membership.

D.2.2 To further improve IEEE brand visibility among corporate sectors, industries and community in Malaysia.

D.2.3 To strengthen activity engagement with IEEE members and non-members

D.2.4 To improve social media engagement of the IEEE Malaysia Facebook, Instagram, YouTube channel.

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

D.3.1 Malaysia section introduced the Student Branch adoption program since 2019 where we recommended voluntary pair up of student branches with the relevant chapters that are geographically close to each other. The objective is to improve the sustainability of the student branches which are also helping the chapters to conduct their activities by leveraging on the student branch members. That way, both student branches and the chapters win in this arrangement.

D.3.2 Engage more IEEE members in sub-committees/working committee for Malaysia section. An appointment letter and certificate of appreciation will be given. Not only will more members be involved at the section's level, but the section will also be utilizing members' expertise.

D.4 Business Plan for Sustainable Growth and Financial Stability.

D.4.1 Malaysia Section's flagship annual student conference which is hosted by different student branches every year since 2001, continues to provide revenue which help section to support student activities. With proper financial management of this conference, we project that it would continue to be a good revenue source.

D.4.2 Bid for IEEE flagship conferences. In the past, Malaysia section had organized TENSYP2014 and TENCON2017, which helped generating revenue to section. We are excited to host TENCON2025 and TENSYP2026.

D.4.3 Contribution from IEEE technical chapters in Malaysia from their conference surplus.

D.4.4 Profit from the fixed deposit.