

INSTITUTE OF MATERIALS, MALAYSIA

ANNUAL REPORT OF THE COUNCIL (FOR THE YEAR ENDING 31ST DECEMBER 2022)

Dear IMM Members,

On behalf of the IMM Council, I am pleased to present the report of the activities of IMM covering the period from 1st January 2022 to 31st December 2022.

1. IMM MANAGEMENT COMMITTEE AND COUNCIL MEETINGS

The IMM Management Committee and Council meetings held during the year were as follows:

Date	Management Committee Meeting (Term 2020-2022)
29 th January 2022	8 th Meeting
Date	Management Committee Meeting (Term 2022-2024)
23 rd April 2022	1 st Meeting
6 th August 2022	2 nd Meeting
29 th October 2022	3 rd Meeting

Date	Council Meeting (Term 2020-2022)
11 th February 2022	8 th Meeting
Date	Council Meeting (Term 2022-2024)
13 th May 2022	1 st Meeting
19 th August 2022	2 nd Meeting
4 th November 2022	3 rd Meeting

2. IMM ACTIVITIES CARRIED OUT IN THE YEAR 2022

Date	Activity
9 th Feb 2022	CPD Committee Meeting No. 4 (Term: 2020 – 2022)
21 st Feb 2022	Standard Development Committee Meeting No. 3 (Term: 2020 – 2022)
21 st Feb 2022	Insulation Committee Meeting No. 2 (Term: 2020 – 2022)
23 rd Feb 2022	Polymer Committee Meeting No. 6 (Term: 2020 – 2022)
3 rd Mar 2022	Education Committee Meeting No. 1 (Term: 2022 – 2024)
10 th Mar 2022	Corrosion Committee Meeting No. 1 (Term: 2022-2024)
14 th Mar 2022	Polymer Committee Meeting No. 7 (Term: 2020 – 2022)
17 th Mar 2022	IMM Education Committee / IMM MTFIP Working Sub - Committee Meeting
17 th Mar 2022	MLC Committee Meeting (Term: 2020 – 2022)
18 th Mar 2022	IMM – TARC Polymer Seminar
18 th Mar 2022	IMM Annual General Meeting No. 32
22 nd – 25 th Mar 2022	OTC Asia 2022
19 th Apr 2022	Coating Committee Meeting No. 1 (Term: 2022 – 2024)
17 th May 2022	Insulation Committee Meeting No. 1 (Term: 2022 – 2024)
23 rd May 2022	Standard Assurance Committee Meeting No. 1 (Term: 2022 – 2024)
24 th May 2022	Coating Committee Meeting No. 2 (Term: 2022 – 2024)
31 st May 2022	IMM Materials Failure Investigation Practitioners Skill Certification (Reschedule of Meeting No. 3)
9 th – 10 th Jun 2022	9 th SOGCE, Sabah Oil & Gas Conference & Exhibition
14 th Jun 2022	Engagement Session on KPI – Group 1
14 th Jun 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 4
14 th Jun 2022	Asset Integrity Committee Meeting No. 1 (Term: 2022 – 2024)
15 th Jun 2022	MLC 2022 Semi-Final
16 th Jun 2022	CPD Committee Meeting No. 1 (Term: 2022 – 2024)
20 th Jun 2022	Vibration Committee Meeting No.1 (Term: 2022 – 2024)

Date	Activity
21 st Jun 2022	Engagement Session on KPI – Group 2
22 nd Jun 2022	Discussion on Thermal Insulation Certification Program
24 th Jun 2022	Materials Fingerprinting Committee Meeting No. 1 (Term: 2022 – 2024)
27 th Jun 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 5
30 th Jun 2022	CPD System Short Meeting
27 th Jun – 1 st Jul 2022	IMM ISO/IEC 17024: 2012 Internal Audit
4 th Jul 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 6
7 th Jul 2022	MLC 2022 Final
8 th Jul 2022	Corrosion Committee Meeting No. 2 (Term: 2022 – 2024)
12 th Jul 2022	Examination and Certification Panel Meeting No. 1 (Term: 2022 – 2024)
19 th Jul 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 7
20 th – 21 st Jul 2022	2nd Annual Clean Power New Energy
29 th Jul 2022	IMM ISO/IEC 17024: 2012 Internal Audit Closing Meeting
8 th Aug 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 8
16 th Aug 2022	Coating Committee Meeting No. 3 (Term: 2022 – 2024)
16 th Aug 2022	Corrosion Committee Meeting No. 3 (Term: 2022 – 2024)
18 th Aug 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 9
25 th – 26 th Aug 2022	ISO/IEC 17024: 2012 Surveillance Audit
5 th Sep 2022	Amendments of the IMM Constitution Meeting No. 1
6 th Sep 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 10
12 th Sep 2022	Amendments of the IMM Constitution Meeting No. 2
13 th – 15 th Sep 2022	Oil & Gas Asia 2022
19 th Sep 2022	Amendments of the IMM Constitution Meeting No. 3
26 th Sep 2022	Amendments of the IMM Constitution Meeting No. 4
28 th Sep 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 11
30 th Sep 2022	IMM Advisor Gathering at Concorde Hotel (Shah Alam)
3 rd Oct 2022	Amendments of the IMM Constitution Meeting No. 5
5 th Oct 2022	Polymer Seminar - Insights into Plastic Additive Manufacturing

Date	Activity
6 th Oct 2022	JWES - Remote meeting for Proposal of New Procedure for Assessment Examination of Welding Coordinator in Malaysia
13 rd October 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 12
17 th October 2022	Amendments of the IMM Constitution Meeting No. 6
31 st Oct 2022	Amendments of the IMM Constitution Meeting No. 7
1 st Nov 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 13
7 th Nov 2022	Amendments of the IMM Constitution Meeting No. 8
15 th Nov 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 14
30 th Nov 2022	IMM Materials Failure Investigation Practitioners Skill Meeting No. 15
4 th Dec 2022	Corrosion Committee Meeting No. 4 (Term: 2022 – 2024)

3. HIGHLIGHTS OF ACTIVITIES IN 2022

3.1 Surveillance Audit on Accreditation of MS ISO/IEC 17024

The Secretariat received Certification of Accreditation to ISO/IEC 17024 with the accreditation number ACB PS 0006 on 29th March 2021 from Standards Malaysia. The covered schemes are the Mechanical Joint Integrity (MJI) and Coating Inspector (CI) certification schemes.

On 25th – 26th August 2022, the Department of Standards Malaysia have come to the Secretariat office to complete the surveillance audit session on the covered schemes. The findings of the audit were zero nonconformance and 8 observations.

3.2 Training, Examination and Certification

A total of (78) IMM certification examinations were conducted in 2022. Most of these examinations were carried out in conjunction with the related training programs conducted by the Associate Training Partner (ATP), Authorized Testing Center (ATC) and Authorized Training Bodies (ATBs). Please refer to **Appendix 1**.

3.3 IMM Membership

A total of (525) new admission as IMM Membership was recorded in 2022. Most of the applications were gained from various approaches such as IMM conference activity, social media platforms, website and webinars/seminars organized by IMM committee members. Please refer to **Appendix 2**.

3.4 Asset Integrity Committee [Chair: Ir. Ts. Noor Hisham Yahaya]

NO REPORT SUBMITTED

3.5 Coating Committee [Chair: Mr. Devinakumar Ratanam]

Throughout the year 2022, IMM Coating Committee engaged in multiple activities to promote and upgrade the coating programs offered by IMM. Coating Committee held 3 meetings altogether in the term 2022 – 2024 as follows:

- 1st Committee Meeting: 19th April 2022
- 2nd Committee Meeting: 24th May 2022
- 3rd Committee Meeting: 16th August 2022

- i. TSC WSC – Thermal Spray Working Sub Committee has been actively involved in the progress of preparing the pre-assessment video through YouTube platform in collaboration with the Student Chapter under Assoc. Prof. Dr. Lim Teck Hock.
- ii. PCT-CIL WSC – Protective Coating & Coating Inspector Sub Committee is formed for improving the certification scheme in the coating.
- iii. In April 2022, the Ministry of Education Science & Technology Sarawak has invited Coating Committee’s secretary to share her experience being a TVET graduate in the field of coating and how being certified under IMM programs has allowed her to build a better career path.
- iv. IMM Coating Committee had submitted the programs to be included in the HRD Corp, Industrials Skills Framework through Liaison Committee’s Ir. Hisham. Workshops are being conducted and most of the categories of work under review related to coating have volunteers from the committee such as IndSF OGE Enhancement Workshop 2: Coating Inspection and Blasting & Painting (Painter).

3.6 Corrosion Committee [Chair: Ir. Ong Hock Guan]

The IMM Corrosion Committee actively promoted and improved the Cathodic Protection programmes that IMM offered throughout the entire year 2022. Corrosion Committee held four (4) meetings thus far in the term 2022 – 2024 as follows:

- 1st Committee Meeting: 10th March 2022
- 2nd Committee Meeting: 8th July 2022
- 3rd Committee Meeting: 16th August 2022
- 4th Committee Meeting: 4th December 2022

- i. On 19th January 2022, a meeting between the IMM Education - FIST and UMP and the IMM Corrosion Committee was held to discuss the possibility of including IMM Cathodic Protection and Corrosion Monitoring courses in their BSc and MSc programmes.
- ii. New IMM Corrosion Monitoring Skills Standard was in the process of approval from Dr. Yu of the IMM Standards Development Committee.
- iii. On 20th October 2022, the One-Day IMM Corrosion Conference “Holistic Corrosion Prevention & Management was successfully held with higher-than-expected sponsors/exhibitors and participants.
- iv. On 21st October 2022, a plant visit was made to the Kossan’s paint manufacturing plant in Klang.

3.7 Welding Committee [Chair: Dr. Bernard Maxmillan Sim]

In 2022, Welding Committee was engaging and have exceptional activities in promoting IMM welding courses.

- i. Behaviors of Materials during Welding Awareness Course was completed on 30th May 2022 in collaboration with Miri Chapter in organizing technical courses.
- ii. Representative of the Welding Committee visited Politeknik Kota Kinabalu on 9th June 2022 to promote welder and welding inspector courses.
- iii. In September 2022, Institute Latihan Perindustrian (ILP) accepted IMM to conduct a welding industry expert sharing session for the oil and gas industries.
- iv. The draft for establishing Competency Certification Scheme regarding Welding Inspector (WI) – Level I, II and III was completed.

3.8 Insulation Committee [Chair: Mr. Danny Tan/Mr. Nik Khairil Azman Nik Abdullah]

The Insulation Committee in the year 2022 is involved in 2 main projects i.e., the formulation of IMM Insulation Standard and drafting the IMM Insulation Certification Program. Both projects are initiated by the Council in early 2021.

IMM Insulation Standard

The first draft of the IMM Insulation Standard has just been released on 1st November 2021 for review among the committee members. Working alongside Insulation Committee for this project is the Standards Development Committee. The final draft with all technical parts was completed on 30th June 2022 and now is being reviewed by Standards Development Committee on the editorial part. Hopefully with the publication of this standard, the overall standard of the Malaysia Insulation Industry can be upgraded and fill up the void of insulation standard/guide/practice in Malaysia. Furthermore, it can help educate member on how Insulation plays important role in reducing carbon emissions & reaching the nation's COP26 objective of a 45% reduction of greenhouse gas (GHG) intensity by 2030.

Insulation Certification and Training Programs

The Insulation Committee met several times in 2022 to discuss the Insulation Certification scheme as initiated by the IMM Council. Among others, the discussed subjects are the name of the certification, the number of programs, the course content, length of course, exam format, training format and pre-requisites by ISO 17024. ISO 17024 imposes certain requirements for any certification scheme to be launched. The Insulation Committee is currently committed to address all these issues and challenges to roll out the Insulation Certification programs by the end of 2023. The following are examples of the Insulation Certification programs that might be developed:

No.	Certification Programs	Competency Level
1.	Level 1 -Insulation Practitioner	Beginner
2.	Level 2 - Insulation Practitioner	Intermediate
3.	Level 3 - Insulation Practitioner	Intermediate/Advance
4.	General Certification - Installation Procedure	Beginner

Insulation Paper Presentation in Association of Material, Vibration, and Insulation Practitioner (AMVIP) 1st Conference & Exhibition

On behalf of IMM Insulation Committee, two of our members have presented a paper each on the Insulation subject in AMVIP 1st Conference that was held on 21 July 2022 at Sofitel Hotel Kuala Lumpur. Faizul bin Ideris has presented a paper on “An Overview of the New IMM Insulation Standard” and Lean Zhen Hua has presented a paper on “Corrosion Under Insulation: Aerogel Insulation – Proving the Capabilities for CUI Mitigation”.

3.9 Polymer Committee [Chair: Ts. Ong Thai Kiat]

- i. 5th October 2022 – Jointly organized a Polymer Webinar – Insights into Plastic Additive Manufacturing with Tunku Abdul Rahman University College (TAR UC).
- ii. 8th December 2022 - Jointly organized a Webinar – Quantitative Nanoscale Chemical and Mechanical Characterization for Polymeric Materials with: Crest Nanosolutions (M) Sdn Bhd.

3.10 Vibration Committee [Chair: Ir. Mohd Syukri Mohd Khalid]

NO REPORT WAS SUBMITTED

3.11 Continuing Professional Development (CPD) [Chair: Ts. Dr. Chew Khoon Hee]

The committee with the purpose of helping members to collect CPD points, has completed revising the IMM CPD Table and officially publish the new code F for the members to collect their points. The revised IMM CPD Table is as follows:

Professional Development Activity Code	Professional Development Activity Scope	Weightage Factor
A	Attending Online or Physical Training Courses/Workshops	4
B	Online or Physical Course Trainer/Facilitator/Examiner/Conference Presenter	3
C	Attend Online or Physical Seminar/Conference/Webinar	2
D	Paper Author Main Author (max 30 hours/year) Co-author (max 10 hours/year)	2
E	Attend Online or Physical Committee Meeting	1
F	Fieldwork (max claimable 480 hours per year) **	0.1

3.12 Education Committee [Chair: Ir. Max Ong Chong Hup]

- i. The 2022 task of the Education Committee is focusing on deliberating on the Draft IMM Skill Standard for Certification of Materials Failure Investigation Practitioners which is expected to complete by the end of November 2022.
- ii. Certification Exam Brochures for MFIP Levels 1-4 is expected to be completed by end of December 2022.

3.13 Examination and Certification Panel [Chair: Dr. Nazatul Liana Sukiman]

In the year 2022, the Examination and Certification Panel has involved in several approval of IMM certification brochures. The brochures were finalized and approved by ECP on 27th July 2022 via email circulation. All approved certification brochures has been published through IMM website on 29th July 2022 and e-blast email to all IMM Members on 9th and 10th August 2022, respectively. The list of approved certification brochures is as follows:

- (a) Certified Coating Fingerprint Quality Controller Level 1 & Level 2
- (b) Certified Technician in Mechanical Joint Integrity for Small-bore Piping, Tubing and Valves & Certified Technician in Mechanical Joint Integrity for Flange Bolted Connections
- (c) Certified Vibration Category 1 – 4
- (d) Certified Trainer

Note: The "Certified Trainer" will also play the roles of Assessor, Examiner, Reviewer and Course Developer)

- (e) Certified Corrosion Technician Level 1 & Level 2 - now known as Certified Corrosion Monitoring Practitioner Level 1 & Level 2

3.14 Examination Panel [Acting Chair: Dr. Andrew Ng Kay Lup]

- i. Preparation of pre-assessment notes for the Trainer/Examiner certification program. Dr. Nazatul, Prof. Melissa, Dr. Edwin and Ir. Hisham will be the pre-identified authors for this note. The kick-start of the preparation of the pre-assessment notes will be rescheduled to Q4 2022 or Q1 2023.
- ii. Propose to launch a half-yearly or yearly online IMM certified trainer/examiner briefing session. The launch of the alf-yearly or yearly online IMM certified trainer/examiner briefing session will be rescheduled to Q1 2023.

3.15 Certification Panel [Ts. Brian Lim Siong Chung]

NO REPORT WAS SUBMITTED

3.16 IMM-MBOT Committee [Chair: Ts. Wan Mohd Arif Wan Ibrahim]

- i. One-day workshop on 7th June 2022 at the MBOT town hall to discuss the implementation of written assessment and professional review assessment for the Professional Technologies Interview. Ir. Hisham and Ts. Wan Mohd Arif were involved in the workshop.

3.17 Impartiality Committee [Chair: Mr. Kang Kim Ang]

NO REPORT WAS SUBMITTED

3.18 Industry, Professional Body, and Government Agency Liaison Committee [Chair: Mr. Ir. Ts. Noor Hisham Yahaya]

NO REPORT WAS SUBMITTED

3.19 Materials Fingerprinting Committee [Acting Chair: Suhaila Idayu Abdul Halim]

- i. MS 2736:2020 – Coating fingerprinting overall procedures for paints using FTIR and other related methods (formerly known as IMM FP01) was successfully announced its publication at OTC Asia 2022, website, and all social platforms of IMM.
- ii. In May 2022, the incorporation of the IMM Coating Fingerprint Certification scheme to the industrial skills framework (IndSF) for oil & gas technical skills and competencies program was successfully completed.
- iii. Launch of IMM Coating Fingerprint Quality Controller (FPQC) Level 2 was completed in June 2022.
- iv. Exhibition of IMM Coating Fingerprinting at Defense, Security and Sustainability 2022 – August 2022.
- v. Dr. Yu and Materials Fingerprinting Committee Chairperson, Prof. Melissa represented IMM in DSM's Working Group (WG/8/2-1) on the scope of Coating Fingerprinting Overall Procedures for paints using FTIR and other related methods (migration of IMM FP01 to MS).

3.20 Materials Lecture Competition Committee [Chair: Dr. Nor Akmal Fadil]

Xiamen University Malaysia (XMUM) has been selected as the host for the Materials Lecture Competition 2022 (MLC 2022). The MLC 2022 semi-final and final round were held online on 16th June 2022 and 7th July 2022, respectively by XMUM in collaboration with the Institute of Materials, Malaysia (IMM) and the Institute of Materials, Minerals and Mining UK (IOM3-UK). The aim of the event was to provide a platform for young talents to exhibit effective and impressive presentation skills in delivering topics in the field of material science and engineering.

Rathosivan Gopal from Universiti Teknologi Malaysia was the winner of MLC 2022, while Ammar Zoheir from Universiti Tenaga Nasional and Natasha Voznyuk Jeevan from Universiti Teknologi Petronas came in second and third place, respectively.

Rathosivan Gopal from Universiti Teknologi Malaysia represented Malaysia and won the first prize at the Young Persons' World Lecture Competition 2022 (YPWLC 2022) which was held virtually on 10th November 2022.

3.21 Materials Mind Editorial Board [Chair: Ts. Dr. Tay Chia Chay]

- i. A total of 4 issues were published: Issue 33 (Jan 2022), Issue 34 (Apr 2022), Issue 35 (Jul 2022) and Issue 36 (Oct 2022).
- ii. Electronic distribution (e.g., eBlast and WhatsApp) of Materials Mind website book format was attempted for all issues published.
- iii. These quarterly IMM magazines (ISSN no: 2289-9030) were distributed to IMM members. The content of the magazine embraced reports on the cover story, technical articles, IMM events & new

IMM courses, corporate advertorials, etc. Highlight per issue are shown as below.

- iv. The content of the magazine can be accessed online on the IMM website. All the technical reports can be openly accessed on the IMM website.
- v. The theme of each issue has been set up and supported by the task forces and/or working committee.

3.22 Membership Committee [Chair: Ts. Dr. Chew Khoon Hee]

NO REPORT WAS SUBMITTED

3.23 Publication Committee [Chair: Ts. Dr. Tay Chia Chay]

- i. Pre-assessment notes for Protective Coating Technician Level 1 and Level 2 were finalized and published on the IMM website on 20th July 2022.
- ii. Publication of pre-assessment notes for Trainer/Examiner certification program and IMM Training and Examination Booklet 2023 is being prepared.

3.24 Standards Assurance Committee [Chair: Dr. Amalina Muhammad Afifi]

- i. 15th June 2022 - Internal Auditor Refresher course & Auditor Meeting
- ii. 27th June – 1st July 2022 – Internal Audit for ISO 17024 certification scheme was successfully done with 4 non-conformances.

3.25 Standards Development Committee [Chairs: Asst. Prof. Ts. Dr. Yu Lih Jiun]

The Standards Development Committee continued with its good work and enabled quarterly meetings during the year on 18th August which led to accomplishing the draft for IMM Insulation Standard. Currently, the final completion of the IMM Insulation Standard is under the editing stage that targeted to finish in the 2nd Quarter of 2023 with various stakeholders including academicians, manufacturers, installers, contractors, plant owners (PETRONAS), engineers, NIA Certified Insulation Energy Appraiser, ASTM C16 Thermal Insulation Committee Members, SIRIM and others from the industry in the working group (WG). This is steered by the Standards Development Committee through forming a WG jointly with Insulation Committee. This Standard is intended to provide practical guidelines to Malaysian industries by applying acceptable and best current practices while indicating basic principles by which materials can be assessed and adapted for use under widely differing conditions. Design engineers, general contractors, fabricators, and insulation contractors will find this guide helpful. This Standard emphasizes the general requirements for industrial thermal insulation systems, which apply to Malaysia's climate condition and environment. This Standard covers the general thermal insulation requirements for industrial applications for the temperature range between -200 °C to 800 °C.

IMM Corrosion Monitoring Skill Standard Completion also is in the process of reviewing and is expected to complete by December 2023.

3.26 Student Chapters [Chair: Assoc. Prof. Dr. Lim Teck Hock]

- i. Student Chapters based in TARUC and UTHM, successfully contributed a total of three reports under the Student Editorial section of Materials Mind Magazine (April, July, Oct 2022 issues).
- ii. Committee met online several times and proposed activities for the year 2022. These include IMM Student Award (to be run by Student Chapters in rotation).
- iii. 2nd November 2022 – Student Editorial (TARUMT-IMM Student Chapter) continuing its good effort to provide industry experience via means of industry visit.
- iv. TARUC-IMM Student Chapter worked with the Corrosion Committee and successfully produced three pre-assessment videos based on the approved briefing notes on the certification program titled Certified Thermal Spray Coating Applicator. These were achieved by student members and respective academics at TARUMT-IMM Student Chapter. These videos are used as part of IMM's training programme with the videos uploaded in the form of Youtube videos with autotranslation to Bahasa Malaysia.
- v. UiTM-IMM Student Chapter successfully produced five pre-assessment videos for PCT training offered by IMM based on approved briefing notes provided by IMM. These videos are used as part of IMM's training programme with the videos uploaded in the form of Youtube videos with auto translation to Bahasa Malaysia.
- vi. TARUC-IMM Student Chapter is working with the Corrosion Committee on producing Pre-assessment videos based on the approved briefing notes on the certification program titled Certified Thermal Spray Coating Applicator. Student volunteers from TARUC-IMM Student Chapter and respective academics worked with industry experts from Coating Committee on the videos, targeting for 15-minute videos.
- vii. Universiti Tun Hussein Onn Malaysia (UTHM)-Institute of Materials, Malaysia (IMM) Student Chapter committee (UTHM-IMM Student Chapter) in collaboration with Mechanical Postgraduate Association (MEPA), the Functional Composite Structure Focus Group and BioMaterials Research Focus Group, Faculty of Mechanical and Manufacturing Engineering have successfully organized a university-level Material Lectures Competition (MLC) 2022 at Center for Global, Online Learning UTHM (CGOL) on 30th May 2022 via online platform ZOOM.
- viii. As of November 2022, the total of active Student Chapter remains at eight (8) as UTM renewed its MoU on 3rd October 2022.

	UNIVERSITY	YEAR SIGNED	MOU DURATION	STATUS
1	Universiti Tunku Abdul Rahman	2012	5 years	Ongoing (Renewed)
2	Universiti Malaya	2013	5 years	In process of being renewed
3	Curtin University Sarawak	2015	5 years	Ongoing
4	Universiti Teknologi Malaysia (UTM)	2016	5 years	Ongoing *1
5	Universiti Teknologi MARA (UiTM)	2018	5 years	Ongoing
6	Universiti Tun Hussein Onn Malaysia (UTHM)	2020	5 years	Ongoing
7	Tunku Abdul Rahman University College (TARUC)	2020	5 years	Ongoing
8	Taylor University	2021	5 years	MoA to be *2 signed Oct 2021

Update as of 3 Nov 2022
 *1 MoU renewal 3rd Oct 22
 *2 MoA signed Oct 21

3.27 Young Professionals [Chair: Mr. Mohd Fairuz Mohd Salleh]

NO REPORT WAS SUBMITTED

3.28 Bintulu Chapter [Chair: Mr. Raymond Phen]

The one-Day IMM Asset Integrity & Maintenance Conference that was planned on 17th November 2022 has been rescheduled to 16th March 2023 at The Marina, Goldenbay Hotel, Bintulu.

3.29 Miri Chapter [Chair: Ir. Dr. Edwin Jong Nyon Tchan]

In 2022, IMM Miri Chapter conducted the following Committee Meetings:

- i. 15th January 2022 - Organized First virtual IMM MIRI CHAPTER COMMITTEE MEETING, via the google-meet platform with 11 committee members were participating.
- ii. 26th March 2022: Organized Second virtual IMM MIRI CHAPTER COMMITTEE MEETING, via the google-meet platform with 10 committee members were participating.
- iii. 16th July 2022: Organized Third physical IMM MIRI CHAPTER COMMITTEE MEETING CUM “SARAWAK DAY” LUNCH at Grand Place hotel with 10 committee members were participating.
- iv. 24th September 2022: Organized Fourth physical IMM MIRI CHAPTER COMMITTEE MEETING CUM GET-TOGETHER LUNCH at Han Palace VIP Room, Grand Place hotel with 9 committee members were participating.
- v. 5th November 2022: Organized Fifth Physical IMM MIRI CHAPTER COMMITTEE MEETING CUM FET-TOGETHER LUNCH at Han Palace VIP Room, Grand Place hotel, Miri, Sarawak with 9 committee members were participating.

In 2022, IMM Miri Chapter conducted the following Projects and Activities are as below:

- i. 30th May 2022 - A Half-Day Awareness course on “Behaviours of Steel Materials during Welding” was successfully conducted on 30th May 2022 at SK3-206 Curtin University Malaysia (CUM), from 1.00 p.m. to 5.00 p.m. with both Face-to-Face and virtual via Google Meet Platform, with IMM CPD approved CPD points.
- ii. 21st October 2022 (Physical) - IMM-CUM Student Chapter organized a half-day Corrosion and Corrosion Control Awareness Course at PA3-202, CUM with 6 engineering undergraduates from various engineering disciplines.
- iii. 29th October 2022 with Hybrid Mode - IMM-Miri organized a One-day Technical Awareness Course on “Introduction of Advanced NDT and Industrial Damage Mechanisms), with a total of 41 participants; It was co-organized by IMM Miri Chapter with IMM Welding Committee. 16 CPD points have been granted by IMM.
- iv. 13th -19th September 2022: IMM-Miri assisted IMM-MTE in the Miri Sector in organizing the AWE/WE training and certification courses via a hybrid (both physical and virtual) platform.

3.30 Northern Chapter [Chair: Ts. Wan Mohd Arif Wan Ibrahim]

NO REPORT WAS SUBMITTED

3.31 Southern Chapter [Chair: Assoc. Prof. Dr. Tuty Asma Abu Bakar]

- i. Southern Chapter Chairperson, Dr. Tuty requested committee members' data who based on Melaka, Negeri Sembilan and Johor to conduct activities for the committees.
- ii. Several summaries of activities planned by the Southern Chapter are as follows:

No.	Activities	Date	PIC
1.	Webinar on Corrosion Inspection and Structural Integrity by Dr. Azmir Harun from Exxonmobile.	Oct 2022	Dr. Wan Fahmin Faiz
2.	Webinar on Advanced Non – Destructive Test.	January 2023	Dr. Tuty Asma Abu Bakar
3.	Workshop on Specimen Preparation for Optical and Electron Microscopy Observation	March 2023	Dr. Mohd Zamri Mohd Yusop
4.	2 nd MPIT Symposium	August 2023	Dr. Nor Akmal Fadir

3.32 Collaboration

3.32.1 MoU between IMM and Institute of Engineers (IEM)

Institute of Engineers (IEM) signed a Memorandum of Understanding (MoU) with IMM for the establishment of a co-operative relationship devoted to the promotion of the art and science of engineering.

3.32.2 MoA between IMM and Universiti Tun Hussein Onn Malaysia (UTHM)

Universiti Tun Hussein Onn Malaysia signed a Memorandum of Agreement (MoA) with IMM for the establishment of recognition of courses conducted at UTHM for IMM certification and appointment of the UTHM as Authorised Testing Centre.

4. SUMMARY AND MOVING FORWARD

The IMM Management Committee and the IMM Council would like to express their heartfelt gratitude to all the Working Committee members, Regional Chapter members, IMM Secretariat staff, and other parties for their ongoing efforts and support in achieving the goals of IMM in 2022.

IMM will continue to develop new initiatives and enhance current systems to stay relevant and competitive. We anticipate a prosperous 2023.

On behalf of the Council,

A handwritten signature in black ink, appearing to be 'Tay Chia Chay', written over a horizontal line.

Assoc. Prof. Ts. Dr. Tay Chia Chay
Honorary Secretary (Acting), IMM
Date: 26th January 2023

APPENDIX 1

IMM CERTIFICATION EXAMINATION 2022

NO.	EXAMINATION DATE	CERTIFICATION SCHEME
1.	14 th Jan 2022	Coating Inspector Level 1 (Re-sit Exam)
2.	17 th Jan 2022	Blasting and Painting Supervisor (Re-sit Exam)
3.	20 th Jan 2022	Coating Inspector Level 2
4.	21 st Jan 2022	Protective Coating Technician Level 1 & 2
5.	25 th Jan 2022	Protective Coating Technician Level 1 & 2
6.	24 th Feb 2022	Coating Inspector Level 1
7.	4 th Mar 2022	Protective Coating Technician Level 1 & 2
8.	8 th Mar 2022	Coating Inspector Level 1 (Re-sit Exam)
9.	18 th Mar 2022	Protective Coating Technician Level 1 & 2
10.	19 th Mar 2022	Protective Coating Technician Level 1 & 2
11.	27 th Mar 2022	Protective Coating Technician Level 1 & 2
12.	5 th Apr 2022	Coating Inspector Level 1 (Re-sit Exam)
13.	8 th Apr 2022	Protective Coating Technician Level 1 & 2
14.	8 th Apr 2022	Protective Coating Technician Level 1 & 2
v15.	20 th Apr 2022	Blasting and Painting Supervisor (Re-sit Exam)
16.	22 nd Apr 2022	Protective Coating Technician Level 1 & 2
17.	23 rd Apr 2022	Protective Coating Technician Level 1 & 2
18.	26 th Apr 2022	Coating Inspector Level 2
19.	28 th Apr 2022	Coating Inspector Level 1
20.	28 th Apr 2022	Coating Inspector level 1
21.	29 th Apr 2022	Protective Coating Technician Level 1 & 2
22.	28 th - 29 th Apr 2022	Thermal Spray Coating Applicator
23.	6 th May 2022	Coating Inspector level 2
24.	12 th May 2022	Coating Inspector level 1
25.	12 th May 2022	Protective Coating Technician Level 1 & 2

26.	24 th May 2022	Coating Inspector Level 1 (Re-sit Exam)
27.	26 th May 22	Coating Inspector Level 1
28.	26 th May 2022	Coating Inspector Level 1
29.	26 th May 2022	Coating Inspector Level 1 (Re-sit Exam)
30.	27 th May 2022	Protective Coating Technician Level 1 & 2
31.	18 th Jun 2022	Coating Fingerprint Quality Controller Level 2
32.	23 rd Jun 2022	Coating Inspector Level 1 (Re-sit Exam)
33.	23 rd Jun 2022	Coating Inspector Level 1
34.	29 th Jun 2022	Blasting and Painting Supervisor
35.	1 st Jul 2022	Protective Coating Technician Level 1 & 2
36.	1 st Jul 2022	Protective Coating Technician Level 1 & 2
37.	2 nd Jul 2022	Protective Coating Technician Level 1 & 2
38.	7 th Jul 2022	Vibration Practitioner Category 1
39.	13 th Jul 2022	Coating Inspector Level 2
40.	16 th Jul 2022	Coating Inspector Level 2
41.	28 th Jul 2022	Coating Inspector Level 1
42.	29 th – 30 th Jul 2022	Thermal Spray Coating Applicator
43.	1 st Aug 2022	Protective Coating Technician Level 1 & 2
44.	5 th Aug 2022	Protective Coating Technician Level 1 & 2
45.	12 th Aug 2022	Protective Coating Technician Level 1 & 2
46.	19 th Aug 2022	Protective Coating Technician Level 1 & 2
47.	13 th Aug 2022	Protective Coating Technician Level 1 & 2
48.	8 th Aug 2022	Protective Coating Technician Level 1 & 2
49.	13 th Aug 2022	Protective Coating Technician Level 1 & 2
50.	24 th Aug 2022	Re-certification Assessment at Home for SWE (JWES)
51.	25 th Aug 2022	Coating Inspector Level 1
52.	26 th Aug 2022	Protective Coating Technician Level 1 & 2
53.	25 th Aug 2022	Coating Inspector Level 1
54.	30 th Aug 2022	Coating Inspector Level 2

55.	26 th Sep 2022	21st Remote Seminar and Examination for WE & AWE
56.	30 th Sep 22	Protective Coating Technician Level 1 & 2
57.	6 th Oct 2022	Coating Inspector level 1
58.	8 th Oct 2022	Coating Inspector level 1
59.	9 th Oct 2022	Vibration Practitioner Category 1
60.	20 th Oct 2022	Vibration Practitioner Category 1
61.	21 st Oct 2022	Protective Coating Technician Level 1 & 2
62.	28 th Oct 2022	Coating Inspector level 1
63.	30 th Oct 2022	Protective Coating Technician Level 1 & 2
64.	29 th Oct 2022	Protective Coating Technician Level 1 & 2
65.	27 th Oct 2022	Protective Coating Technician Level 1 & 2
66.	10 th Nov 2022	Corrosion Monitoring Practitioner Level 1
67.	12 th Nov 2022	Coating Inspector Level 2
68.	10 th Nov 2022	Coating Inspector Level 2 (Re-sit Exam)
69.	16-Nov-2022	Re-certification of Thermit Welding Senior Practitioner (Level 2)
70.	26 th Nov 2022	Protective Coating Technician Level 1 & 2
71.	1 st Dec 2022	Coating Inspector Level 1
72.	10 th Dec 2022	Protective Coating Technician Level 1 & 2
73.	16 th Dec 2022	Coating Inspector Level 1
74.	15 th Dec 2022	Coating Inspector Level 1 (Re-sit Exam)
75.	15 th Dec 2022	Protective Coating Technician Level 1 & 2
76.	22 nd Dec 2022	Re-certification Assessment at Home for WE (JWES)
77.	22 nd Dec 2022	Coating Inspector Level 1
78.	23 rd Dec 2022	Protective Coating Technician Level 1 & 2

APPENDIX 2

IMM MEMBERSHIP ADMISSION 2022

NO.	IMM MEMBERSHIP GRADE	TOTAL ADMISSION
1.	Honorary Fellow (Hon. F.I.M.M.)	0
2.	Fellow (F.I.M.M.)	0
3.	Professional Member (M.I.M.M.)	12
4.	Associate Member (A.M.I.M.M.)	1
5.	Affiliate Company Member	0
6.	Affiliate Ordinary Member	6
7.	Company Member	8
8.	Ordinary Member	442
9.	Student Member	56