

## **INSTITUTE OF MATERIALS, MALAYSIA**

### **ANNUAL REPORT OF THE COUNCIL FOR THE YEAR ENDING 31<sup>ST</sup> DECEMBER 2020**

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 1<sup>st</sup> January 2020 to 31<sup>st</sup> December 2020.

#### **1. IMM COUNCIL AND MANAGEMENT COMMITTEE MEETINGS**

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

<b>Date</b>	<b>Management Committee Meeting (Term 2018-2020)</b>
6 <sup>th</sup> February 2020	8 <sup>th</sup> Meeting
<b>Date</b>	<b>Management Committee Meeting (Term 2020-2022)</b>
27 <sup>th</sup> July 2020	1 <sup>st</sup> Meeting
2 <sup>nd</sup> October 2020	2 <sup>nd</sup> Meeting
27 <sup>th</sup> November 2020	3 <sup>rd</sup> Meeting

<b>Date</b>	<b>Council Meeting (Term 2018-2020)</b>
6 <sup>th</sup> February 2020	8 <sup>th</sup> Meeting
<b>Date</b>	<b>Council Meeting (Term 2020-2022)</b>
7 <sup>th</sup> August 2020	1 <sup>st</sup> Meeting
16 <sup>th</sup> October 2020	2 <sup>nd</sup> Meeting
18 <sup>th</sup> December 2020	3 <sup>rd</sup> Meeting

#### **2. ACTIVITIES CARRIED OUT IN THE YEAR 2020**

<b>DATE</b>	<b>MEETING/EVENT/ACTIVITY</b>
<b>Asset Integrity Committee</b> [Chair: Dato' Dr. Ir. Johari Basri]	
23 <sup>rd</sup> November	1 <sup>st</sup> Committee Meeting
<b>Coating Committee</b> [Chair: Mr. Mohd Iqbal Yaakup]	
9 <sup>th</sup> December	Formation of formal Coating Committee for the term 2020-2022
<b>Corrosion Committee</b> [Chair: Ir. Ong Hock Guan]	
2 <sup>nd</sup> March	Committee Meeting for the term 2018 - 2020
6 <sup>th</sup> October	1 <sup>st</sup> Committee Meeting
21 <sup>st</sup> – 22 <sup>nd</sup> October	Ir. Ong participated in the UTP annual Industrial Advisory Panel (IAP) sessions to review their BSc and MSc courses.

<b>DATE</b>	<b>MEETING/EVENT/ACTIVITY</b>
28 <sup>th</sup> October	Mr. Mark Hew participated at the UTAR virtual Industrial Advisory Panel (IAP) meeting for Bachelor of Engineering (Honours) Materials and Manufacturing.
6 <sup>th</sup> November	Mr. Leow Chun Ho presented a technical paper entitled “Challenges in Managing Top of Line Corrosion (TLC) in Multiphase Wet Gas Pipelines” virtually in the Offshore Technology Conference (OTC) Asia.
<b>Continuous Professional Development (CPD) [Chair: ChM. Dr. Shahrul Nizam Ahmad]</b>	
7 <sup>th</sup> October	1 <sup>st</sup> Committee Meeting
7 <sup>th</sup> October	Establishment of CPD points for registered IMM training courses
<b>Education Committee [Chair: Ir. Max Ong Chong Hup]</b>	
15 <sup>th</sup> December	1 <sup>st</sup> Committee Meeting
<b>Examination and Certification Panel [Chair: Ts. Brian Lim Siong Chung]</b>	
25 <sup>th</sup> August	1 <sup>st</sup> Committee Meeting
13 <sup>th</sup> August	Visit JOTAC for the discussion of ATC appointment - CPT Certification Scheme (ECP)
17 <sup>th</sup> September	Visit Prasarana for the discussion of ATB / ATC appointment (ECP)
28 <sup>th</sup> September	Submitted proposals on: <ul style="list-style-type: none"> <li>• General Assessment Format for IMM Level 1 Certification Schemes (EP &amp; ECP)</li> <li>• General Train-The-Trainer for IMM Certification Schemes (CP &amp; ECP)</li> <li>• Upgrade IMM Certified Coating Inspector Level 1 (CI L1) Certification Schemes (CP &amp; ECP)</li> </ul>
12 <sup>th</sup> October	Submitted proposal to upgrade PCT L1 & L2 (CP & ECP)
18 <sup>th</sup> November	Submitted proposals on: <ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Phase for ISO 17024 Accreditation (ECP &amp; EP)</li> <li>• General Recertification Criteria and Procedure (ECP, EP &amp; CP)</li> </ul>
24 <sup>th</sup> November	Submitted proposal on Registration of IMM Certified Trainers and Payable Fees (ECP, CP & EP)
14 <sup>th</sup> December	Submitted proposal to Introduce Refresher Course of Certified Coating Inspector Level 1 (ECP & CP)
15 <sup>th</sup> December	2 <sup>nd</sup> Committee Meeting
October – December	Regular Approval of Examination Results
<b>Insulation Committee [Chair: Mr. Danny Tan Kim Chew]</b>	
18 <sup>th</sup> November	Insulation activities sessions with Committee members
<b>IMM-MBOT Committee [Chair: Prof. Ts. ChM. Dr. Melissa Chan Chin Han]</b>	

<b>DATE</b>	<b>MEETING/EVENT/ACTIVITY</b>
31 <sup>st</sup> August	Formation of formal IMM-MBOT Committee for the term 2020-2022
4 <sup>th</sup> September	Contributed a technical report, “MBOT-TEP Workshop: Examination and Qualification Committee Workshop” to “Materials Mind, Issue 28”
27 <sup>th</sup> – 29 <sup>th</sup> September	MBOT Professional Technologist (Ts) and Certified Technician (Tc) Assessment for 23 candidates in Materials Technology field.
9 <sup>th</sup> December	Special survey for continuing professional development (CPD) guidelines was participated as per received invitation from Assistant Registrar Operation.
14 <sup>th</sup> December	Delivering webinar as invited speaker with title, “Leveraging Materials Technology for A Sustainable Future” by Ts. Wan Mohd Arif representing IMM in prestigious Hari Profesion Teknikal Negara (HPTN 2020) event organised by Kementerian Kerja Raya.
<b>Materials Lecture Competition Committee</b> [Chair: Prof. Dr. Esah Hamzah]	
6 <sup>th</sup> August	Committee Meeting
27 <sup>th</sup> August	MLC2020 Competition (Virtual)
30 <sup>th</sup> October	Mock Presentation for YPWLC2019 by Ms. Tan Kai Xin (Universiti Malaysia Perlis), Finalist MLC2020 (Virtual)
10 <sup>th</sup> October	2020 Young Persons' World Lecture Competition Final (Virtual)
<b>Materials Mind Editorial Board</b> [Chair: Ts. Dr. Tay Chia Chay]	
January	Publication of Materials Mind Magazine (Issue 27)
October	Publication of Materials Mind Magazine (Issue 28)
<b>Membership Committee</b> [Chair: Ts. Dr. Chew Khoon Hee and Co-Chair: Mark Hew Yoon Onn]	
6 <sup>th</sup> October 2020	1 <sup>st</sup> Committee Meeting
<b>Polymer Committee</b> [Chair: Ts. Dr. Chew Khoon Hee]	
29 <sup>th</sup> July	Jointly organized an online industrial talk, “INJECTION MOLDING - What You Need To Know” with the Faculty of Engineering and Technology (FOET), Tunku Abdul Rahman University College, Metalloy Consultant Services and students chapter of Institution of Mechanical Engineers.
5 <sup>th</sup> October	1 <sup>st</sup> Committee Meeting
<b>Standards Assurance Committee</b> [Chair: Dr. Amalina Muhammad Afifi]	
29 <sup>th</sup> December	1 <sup>st</sup> Committee Meeting
<b>Standards Development Committee</b> [Co-Chairs: Asst. Prof. Ts. Dr. Yu Lih Jiun and Ts. Dr. Mahmood Anwar]	
6 <sup>th</sup> November	1 <sup>st</sup> Committee Meeting

<b>DATE</b>	<b>MEETING/EVENT/ACTIVITY</b>
6 <sup>th</sup> November	Initiated the development of IMM Standard (Insulation) draft and on-going
<b>Student Chapter</b> [Chair: Assoc. Prof. Dr. Lim Teck Hock]	
23 <sup>rd</sup> October	1 <sup>st</sup> Committee Meeting
December	Signed MOU with TARUC for Establishment of TARUC-IMM Student Chapter
<b>Coating Fingerprinting Committee</b> [Chair: Prof. Ts. ChM. Dr. Melissa Chan Chin Han]	
23 <sup>rd</sup> January	Discussion with IMM Secretariat on Task Force on Coating Fingerprinting Activities
26 <sup>th</sup> November	1 <sup>st</sup> Committee Meeting
<b>Vibration Committee</b> [Chair: Ir. Mohd Syukri Mohd Khalid]	
15 <sup>th</sup> October	1 <sup>st</sup> Committee Meeting
4 <sup>th</sup> December	Joint collaboration with Association of Materials, Vibration & Insulation Practitioners (AMVIP) Webinar on Green Nanosilica – A bio-based Nanomaterial and Its Diverse Range of Applications
<b>Miri Chapter</b> [Chair: Ir. Dr. Edwin Jong Nyon Tchan]	
21 <sup>st</sup> November	1 <sup>st</sup> Committee Meeting

### 3. HIGHLIGHTS OF ACTIVITIES IN 2020

#### 3.1 Election of Council members for the term 2020 – 2022

The Council members for the term 2020 – 2022 elected during the 30<sup>th</sup> AGM held on 13<sup>th</sup> July 2020 were as follows: -

<b>No.</b>	<b>Name of Elected Council Member</b>	<b>IMM Membership No.</b>
1.	Ir. Ong Hock Guan	F-0792
2.	Ts. Dr. Mahmood Anwar	F-6277
3.	Mark Hew Yoon Onn	O-7558
4.	Ts. Dr. Tay Chia Chay	F-6742
5.	Ts. Dr. Yu Lih Jiun	M-8971
6.	Ir. Max Ong Chong Hup	F-0088
7.	Assoc. Prof. Dr. Lim Teck Hock	F-8210
8.	Ts. Brian Lim Siong Chung	F-4348
9.	Kang Kim Ang	F-0012
10.	Nik Khairil Azman Nik Abdullah	C-7279

### 3.2 Co-opted Council Members and Chairpersons of Committees

The list of Co-opted Council members for the term 2020-2022 are as follows: -

No.	Name of Co-opted Council Member	IMM Membership No.
1.	Dr. Amalina Muhammad Afifi	O-3775
2.	Danny Tan Kim Chew	F-7120
3.	Ir. Ho Choon Fei	O-9485
4.	Jason Yap Haw Shin	F-9058
5.	Mohd Fairuz Mohd Salleh	O-7281
6.	Mohd Iqbal Yaakup	O-9887
7.	Dato' Seri Mohd Jai Suboh	F-2243
8.	Ir. Mohd Syukri Mohd Khalid	O-9716
9.	Dr. Nazatul Liana Sukiman	O-7531
10.	Ir. Ts. Noor Hisham Yahaya	O-9393
11.	Ts. Ong Thai Kiat	O-3482
12.	Raymond Phen	O-5552
13.	ChM. Dr. Shahrul Nizam Ahmad	M-9718
14.	Sobendran Vengadasalam	O-9484
15.	Ts. Wan Mohd Arif Wan Ibrahim	F-8244

The list of Chairpersons of committees for the term 2020-2022 are as follows: -

No.	Committee/Chapter	Name of Chairperson
1.	Asset Integrity	Dato' Dr. Ir. Johari Basri
2.	Coating	Mohd Iqbal Yaakup
3.	Coating Fingerprinting	Prof. Ts. ChM. Dr. Melissa Chan Chin Han
4.	Corrosion	Ir. Ong Hock Guan
5.	Insulation	Danny Tan Kim Chew (Chairperson)
		Nik Khairil Azman Nik Abdullah (Co-Chairperson)
6.	Vibration	Ir. Mohd Syukri Mohd Khalid (Chairperson)
		Afandi Abd Hamid (Co-Chairperson)
7.	Polymer	Ts. Dr. Chew Khoon Hee (Chairperson)

No.	Committee/Chapter	Name of Chairperson
		Ts. Ong Thai Kiat (Co-Chairperson)
8.	Continuous Professional Development (CPD)	ChM. Dr. Shahrul Nizam Ahmad (Chairperson)
9.	Education	Ir. Max Ong Chong Hup
10.	Examination & Certification Panel	Ts. Brian Lim Siong Chung
11.	Certification Panel	Dr. Nazatul Liana Sukiman (Co-Chairperson)
		Jason Yap Haw Shin (Co-Chairperson)
12.	Examination Panel	Ir. Ho Choon Fei (Co-Chairperson)
		Sobendran Vengadasalam (Co-Chairperson)
13.	IMM-MBOT	Prof. Ts. ChM. Dr. Melissa Chan Chin Han
14.	IMM-MBOT Assessment Panel	Ts. Wan Mohd Arif Wan Ibrahim
15.	Impartiality	Kang Kim Ang
16.	Industry, Professional Body and Government Agency Liaison	Ir. Ts. Noor Hisham Yahaya
17.	Materials Lecture Competition (MLC)	Prof. Dr. Esah Hamzah
18.	Materials Mind Editorial Board	Ts. Dr. Tay Chia Chay
19.	Membership	Ts. Dr. Chew Khoo Hee
20.	Standards Assurance	Assoc. Prof. Dr. Amalina Mohammad Afifi
21.	Standards Development	Asst. Prof. Ts. Dr. Yu Lih Jiun (Co-Chairperson)
		Ts. Dr. Mahmood Anwar (Co-Chairperson)
22.	Student Chapter	Assoc. Prof. Dr. Lim Teck Hock (Chairperson)
		Dr. Amirah Amalina Ahmad Tarmizi (Co-Chairperson)
23.	Young Professionals	Mohd Fairuz Mohd Salleh

### 3.3 Accreditation to MS ISO/IEC 17024

The compliance audit was carried out on 20<sup>th</sup> and 21<sup>st</sup> July 2020 by Department of Standards Malaysia (DSM) for accreditation to MS ISO/IEC 17024. The witnessing audit has been postponed due to the CMCO and arrangements were made to carry out the audit early 2021.

### **3.4 Training, Examination and Certification**

A total of 42 IMM certification examinations were conducted in 2020. Most of these examinations were carried out in conjunction with the related training programmes conducted by Materials, Training and Education Sdn Bhd (MTE) and IMM Resources - Central Training Unit (IMMR-CTU). See **Appendix 1**.

### **3.5 Coating Fingerprinting**

The Coating Fingerprinting Committee (formerly known as Task Force on Coating Fingerprinting) published three IMM Standards in 2020 as follows:

- (1) IMM FP01, Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods
- (2) IMM FP02, Paint Raw Material Overall Procedures Using FTIR and Other Related Methods
- (3) IMM FP03, Dried Coating Fingerprinting Overall Procedures Using FTIR and Other Related Methods

IMM FP01 is in the process of migration to Malaysian Standard. Besides, IMM Certified Coating Fingerprint Trainer were launched and virtual classroom was introduced for IMM Coating Fingerprint Foundation and IMM Certified Coating Fingerprint Quality Controller Level 1 in July 2020. The innovation of FTIR fingerprinting of paints won the Best Awards among the Gold Medals (Category: Machinery, Equipment and Tools) at Malaysia Technology Expo 2020. Gold Medal at 31<sup>st</sup> International Invention, Innovation & Technology Exhibition, Malaysia and Gold Medal at Invention, Innovation & Design Exposition 2020.

### **3.6 Materials Mind**

The **Materials Mind Editorial Board** continued with its good work and published 2 issues during the year. The contents of the magazine comprised technical reports, reports on IMM events, corporate advertorials etc. with each issue focusing on one or more particular themes as listed below:

- i) Issue 27 (January 2020) – IMM Year Book; Polymer; Coating Fingerprinting;
- ii) Issue 28 (October 2020) – Materials Lecture Competition

These IMM magazines (ISSN No: 2289-9030) were published on the IMM website and also distributed to IMM members via eBlast and WhatsApp.

### **3.7 Materials Lecture Competition**

The MLC 2020 was successfully organized by Universiti Putra Malaysia (UPM) together with the IMM and the Institute of Materials, Minerals and Mining (IOM3) UK on 27<sup>th</sup> August 2020, virtually. The aim of the event was to provide a platform for young talents (below the age of 28 years old) to exhibit effective and impressive presentation skills in delivering topics in the field of material science and engineering.

Ms. Tan Kai Xin from Universiti Malaysia Perlis won the first prize, while Ms. Nur Sofina Mohamad Johari from Universiti Malaya and Mr. Mohamad Fakhru Ridhwan Samsudin from Universiti Teknologi PETRONAS came in as the second and third prize winners respectively. The winners walked away with a cash prize of RM 3000, RM 2000 and RM 1000 together with plaques and certificates.

The first prize winner represented Malaysia in the Young Persons' World Lecture Competition 2020 (YPWLC 2020) held virtually on 10<sup>th</sup> October 2020.

### **3.8 Formation of New IMM Committees**

#### **3.8.1 Continuous Professional Development Committee**

The scope of this committee is to develop CPD requirements for IMM Certified personnel to comply for re-certification and guidelines for courses to obtain CPD points.

#### **3.8.2 Certification Panel**

The panel was formed as one of the sub-committees under Examination and Certification Panel (ECP) for approval/review of all documentation relating to certification i.e. certification schemes.

#### **3.8.3 Examination Panel**

The panel was formed as one of the sub-committees under Examination and Certification Panel (ECP) for approval/review of all documentation relating to examination i.e. appointment of examiner and trainer, examination results, exam sets, recommendation for improvement of examination system.

#### **3.8.4 Impartiality Committee**

The committee was established to ensure that all activities are carried out impartially and objectively, in conformity with the relevant requirements of MS ISO 17024, to provide input on the policies and principles relating to the impartiality of IMM's competency development and certification schemes and to ensure all decisions are made impartially in an open and transparent manner and not influenced by commercial or other considerations for personal gains.

#### **3.8.5 Industry, Professional Body and Government Agency Liaison**

The committee was formed to establish networking with the industries related to IMM's technical activities, establish technical affiliation with relevant professional bodies to IMM technical committees, collaborate with government agencies in establishing national competencies standards within the Materials Technology area and engage with relevant government agencies in developing national competencies programs within Materials Technology area.

#### **3.8.6 Standards Development Committee**

The committee is responsible for the development and review of in-house IMM Standards as well as for the migration of IMM Standards to industry and/or national standards.

### **3.9 Collaboration**

#### **3.9.1 MoU between IMM and Serba Dinamik IT Solution Sdn Bhd**

IMM and Serba Dinamik IT Solution Sdn Bhd formalized a collaboration to develop and maintain a database system known as the "Advanced Database System" for the purposes of on-line registration and maintenance of IMM membership, training and certification information and other related activities of IMM.

#### **3.9.2 MoU between IMM and TARUC**

Tunku Abdul Rahman University College has signed a Memorandum of Understanding (MoU) with IMM for the establishment of TARUC-IMM Student Chapter, under the Faculty of Applied Sciences and Faculty of Engineering and Technology.



### **3.10 Malaysian Board of Technologist – Technology Expert Panel**

IMM-MBOT Assessment Panel conducted Professional Technologist (Ts) and Certified Technician (Tc) assessments on 27<sup>th</sup> – 29<sup>th</sup> September 2020 for 23 candidates in the materials technology field.

### **3.11 Introduction of IMM’s Continuing Professional Development (CPD) Scheme for Certified Personnel.**

With effect from 1<sup>st</sup> January 2022, all IMM Certified Personnel will be required to submit their yearly Continuing Professional Development (CPD) report to qualify for renewal of their certification upon expiry. The objective of CPD is to encourage Certified Personnel to regularly improve themselves and keep themselves updated with latest developments in their industry. As such, IMM certified personnel must commence collecting CPD Points during the year 2021 to at least meet the required one-year CPD Points by the end of the year.

### **3.12 IMM Resources Sdn Bhd (IMMR)**

The following were appointed as the new Directors of IMMR (w.e.f. 15<sup>th</sup> October 2020):

- Ts. Dr. Mohamed Ackiel Mohamed
- Prof. Ts. ChM. Dr. Melissa Chan Chin Han
- Ir. Max Ong Chong Hup

The office of IMMR and its operations have been relocated to the IMM Secretariat at Kelana Centre Point.

## **4. SUMMARY AND MOVING FORWARD**

The IMM Management Committee and the IMM Council would like to express their sincere gratitude to all members of the Working Committees, Regional Chapters, staff of the IMM Secretariat and other parties for their continuous effort and support in fulfilling the objectives of IMM in spite of Covid-19 pandemic situation.

To remain relevant and competitive, IMM will continue to keep moving forward with new initiatives and improving existing systems. We look forward to a successful 2021.

**On behalf of the Council**

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Prof. Ts. ChM. Dr. Melissa Chan Chin Han  
Honorary Secretary, IMM  
Date:

**APPENDIX 1****IMM CERTIFICATION PROGRAMMES 2020**

<b>NO.</b>	<b>DATE</b>	<b>TRAINING AND EXAMINATION</b>	<b>VENUE</b>
1.	6 - 8 January, 2020	IMM Certified B1B2 Assistance Blaster and Painter	Seacademy, Miri, Sarawak
2.	8 - 10 January, 2020	IMM Certified B1B2 Assistance Blaster and Painter	Seacademy, Miri, Sarawak
3.	13 - 16 January, 2020	Coating Inspector Level 1	Ropetech Sdn Bhd, Miri, Sarawak
4.	3 - 5 February, 2020	IMM Certified B1B2 Assistance Blaster and Painter	Seacademy, Miri, Sarawak
5.	7 - 9 February, 2020	IMM Certified B1B2 Assistance Blaster and Painter	Topfields Borneo, Sarawak
6.	19 - 21 February, 2020	IMM Certified B1B2 Assistance Blaster and Painter	Seacademy, Miri, Sarawak
7.	25 - 27 February, 2020	IMM Certified B1B2 Assistance Blaster and Painter	Seacademy, Miri, Sarawak
8.	24 - 27 February, 2020	Coating Inspector Level 1	MTE, PJ
9.	2 - 5 March, 2020	Cathodic Protection Technician Level 1	MTE, PJ
10.	5 - 7 March, 2020	IMM Certified B1B2 Assistance Blaster and Painter	Seacademy, Miri, Sarawak
11.	27 - 29 May, 2020	Assistant Blaster & Painter	Seacademy, Miri, Sarawak
12.	18 - 20 June, 2020	Assistant Blaster & Painter	Seacademy, Miri, Sarawak
13.	29 June - 2 July, 2020	Coating Inspector Level 1	MTE, PJ
14.	8 - 10 July, 2020	Assistant Blaster & Painter	Seacademy, Miri, Sarawak
15.	13 - 16 July, 2020	Coating Inspector Level 1	Imperial Palace Hotel Miri
16.	17 - 18 July, 2020	Coating Inspector Level 2	Imperial Palace Hotel Miri
17.	23 - 24 July, 2020	Coating Fingerprint Quality Controller Level 1	Online
18.	12 -13 August, 2020	IMM Welding & Joining Technology For Non-Welding Personnel Course	Online
19.	11 - 13 August, 2020	Assistant Blaster & Painter	Seacademy, Miri, Sarawak
20.	18 - 19 August, 2020	Coating Inspector Level 2	TH Hotel Kelana Jaya

21.	24 - 27 August, 2020	Coating Inspector Level 1	13-4 Unit Bangunan Umno, Shah Alam
22.	26 - 28 August, 2020	Assistant Blaster & Painter	Advance Multiskills Training Centre (AMTC), Miri, Sarawak
23.	28 August, 2020	Refresher Course for IMM Certified Protective Coating Technician	Online
24.	10 September, 2020	Refresher Course for IMM Certified Protective Coating Technician	Online
25.	17 September, 2020	Refresher Course for IMM Certified Protective Coating Technician	Online
26.	7 - 14 September, 2020	IMM-JWES Associate Welding Engineer (Awe)	Geno Hotel, Shah Alam, Selangor
27.	7 - 14 September, 2020	IMM-JWES Welding Engineer (We)	Geno Hotel, Shah Alam, Selangor
28.	23 September, 2020	Cathodic Protection Technician Level 1	JOTAC Academy Sdn Bhd
29.	28 September - 1 October, 2020	Vibration Practitioner Category 1	Serba Dinamik Global Skills Centre, Shah Alam
30.	5 - 8 October, 2020	Coating Inspector Level 1	Imperial Palace Hotel Miri
31.	8 - 10 October, 2020	Assistant Blaster & Painter	Seacademy, Miri, Sarawak
32.	15 October, 2020	Coating Fingerprint Quality Controller Level 1	Online (Re-sit examination)
33.	5 November, 2020	Refresher Course for IMM Certified Protective Coating Technician	Online
34.	12 November, 2020	Refresher Course for IMM Certified Protective Coating Technician	Online
35.	26 November, 2020	Refresher Course for IMM Certified Protective Coating Technician	Online
36.	2 December, 2020	Refresher Course for IMM Certified Protective Coating Technician	Online
37.	7 - 10 December, 2020	Vibration Practitioner Category 1	Online

38.	15 December, 2020	Coating Inspector Level 2	Serba Dinamik Sdn Bhd, Bintulu Service Centre, Bintulu, Sarawak
39.	14 - 18 December, 2020	Vibration Practitioner Category 2	Online
40.	18 - 19 December, 2020	Coating Inspector Level 1	Melaka
41.	24 December, 2020	Refresher Course for IMM Certified Protective Coating Technician	Online
42.	28 - 31 December, 2020	Protective Coating Technician Level 1 & 2	RM Leopad Sdn Bhd Pasir Gudang, Johor