AFEO

IEM
The Institution of Engineers, Malaysia

Engineering Education & Capacity Building

By Ir. Dr. CheeFai Tan & Ir. Dr. Leong Wai Yie

Engineering Education

- IEM is the member of Engineering Accreditation Council (EAC) and Engineering Technology Accreditation Council (ETAC)

EAC
ENGINEERING ACCREDITATION COUNCIL MALAYSIA

http://www.eac.org.my/web/index.html

Industry4WRD

(Malaysia Industry 4.0 Policy)

http://www.miti.gov.my/index.php/pages/view/industry4WRD

MyHE4.0

(Malaysia Higher Education 4.0)

Federation of Engineering Institutions of Asia and the Pacific (FEIAP)

- Engineering Education Standing Committee, Federation of Engineering Institutions of Asia and the Pacific (FEIAP)

FEDERATION OF ENGINEERING INSTITUTIONS OF ASIA AND PACIFIC (FEIAP)

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Engr. Tin Latt

Federation of Engineering Institutions
of Asia and the Pacific (FEIAP)

FEIAP
ENGINEERING EDUCATION AND ACCREDITATION GUIDELINES FOR ENGINEER

30 December 2010
(Revised 12 July 2018)

FEIAP Engineering Education Working Group

Federation of Engineering Institutions
of Asia and the Pacific (FEIAP)

FEIAP
ENGINEERING EDUCATION AND ACCREDITATION GUIDELINES FOR ENGINEERING TECHNOLOGIST

12 July 2018

FEIAP Engineering Education Working Group

Federation of Engineering Institutions
of Asia and the Pacific (FEIAP)

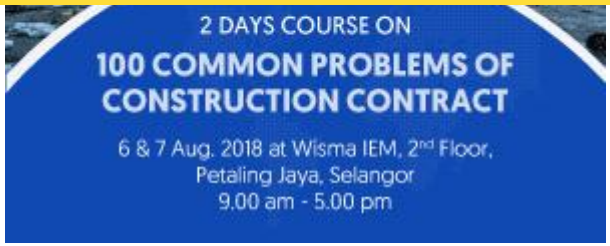
FEIAP
ENGINEERING EDUCATION AND ACCREDITATION GUIDELINES FOR ENGINEERING TECHNICIAN

12 July 2018

FEIAP Engineering Education Working Group

Capacity Building

600++ Talks, Courses, Seminar, Conferences…



Date/Day	Venue:	Session:	Description:	Target Participants
4 July 2018, Wednesday	C&S Lecture Room, Second Floor, Wisma IEM	Session 1: 9:00am to 10:45am (1 hr 45 mins)	Introduction to Physical Computing and Software Development - Explore Microduino basics to build up their familiarity with the Microduino modules, sensors and trinkets and build a solution for a day-to-day problem	Primary school students (10 students / session)
1 August 2018, Wednesday	TUS Lecture Room, Second Floor, Wisma IEM	Session 2: 11:15am to 1:00pm (1 hr 45 mins)		
5 September 2018, Wednesday	TUS Lecture Room, Second Floor, Wisma IEM	Session 3: 2:30pm to 4:15pm (1 hr 45 mins)		
3 October 2018, Wednesday	TUS Lecture Room, Second Floor, Wisma IEM			

IEM-STANDARDS MALAYSIA-SURUHANJAYA TENAGA
ASEAN ELECTROTECHNICAL
SYMPOSIUM & EXHIBITION 2018
STANDARDS DRIVE GLOBAL VALUE CHAINS
4th - 5th DECEMBER 2018 CONNEXION CONFERENCE & EVENT CENTRE, KUALA LUMPUR, MALAYSIA
Organised By
IEM
STANDARDS MALAYSIA
Suruhanjaya Tenaga Energy Commission
Supported By
MAESCO
Platinum Sponsor
Schneider Electric
Silver Sponsor
weg
Bronze Sponsor
HVTL
Booth Sponsors
TERASAKI
Rtechrentals
Master Tec Wire & Cable
Wise Pro Sdn Bhd

BULLETIN #1
ITA-AITES
WTC 2020
15 - 21 May 2020
Kuala Lumpur, Malaysia
ITA-AITES World Tunnel Congress
WTC2020 and General Assembly
Kuala Lumpur Convention Centre, Malaysia
IEM
The Institution of Engineers, Malaysia
ITA AITES

IEM Academy

IEMTC

IEM Training Centre Sdn Bhd

51st
IEM

IEM
The Institution of Engineers, Malaysia

KLESF

Kuala Lumpur Engineering Science Fair
Pesta Kejuruteraan dan Sains Kuala Lumpur 2018
2018年吉隆坡工程科技与科学展

14TH MALAYSIA FESTIVAL OF THE MIND

GREAT MIND
Be Part Of Greatness

malaysia mental literacy movement

KLESF CHALLENGE 2018

STEM Projects
International competition

Category:
- Primary (12 years old or below)
- Secondary (13 – 18 years old)

Project Track
- Applied Sciences
- Physical and Biological Sciences

MCMC

intel
KLESF
DIGITAL LIFESTYLE MALAYSIA

THEME : Internet Of Things (IoT)

track&Trace | retail&payment | agriculture | healthcare | transportation

RERO ANNUAL CHAMPIONSHIP 2018

National Level Robotics and Coding Competition

3rd INTERNATIONAL JUNIOR CHEM-E CAR COMPETITION 2018

IEM
SK PUTRAJAYA PRESINT 19(1)

students designed small-sized car that was fabricated from reusable or recyclable materials

NATIONAL SCIENCE & ENGINEERING INNOVATION CHALLENGE

KEMENTERIAN PENDIDIKAN MALAYSIA

RUBIK'S CUBE COMPETITION 2018

SPORT STACKING COMPETITION 2018

14TH MALAYSIA FESTIVAL OF THE MIND
malaysia mental literacy movement
www.utar.edu.my/mmim

2 - 4 November 2018 | 9am - 6pm

Mines International Exhibition & Convention Centre (MIECC)

ADMISSION IS FREE

For School and Family Day Trip

Contact:
Tel: 011-1888 9397 / (603) 9086 0288 Ext 118/119, Fax: (603) 9019 3188
Url : www.klesf.net Email : info@klesf.net www.facebook.com/KLESF

Jointly organised by: UTAR | AASTI | MiGHT | IEM

Supported by: Akademi Sains Malaysia | Kementerian Pendidikan Malaysia | MCMC | ACCOM | yfm

KLESF

Kuala Lumpur Engineering Science Fair
Pesta Kejuruteraan dan Sains Kuala Lumpur 2018
2018年吉隆坡工程科技与科学展

14TH MALAYSIA FESTIVAL OF THE MIND

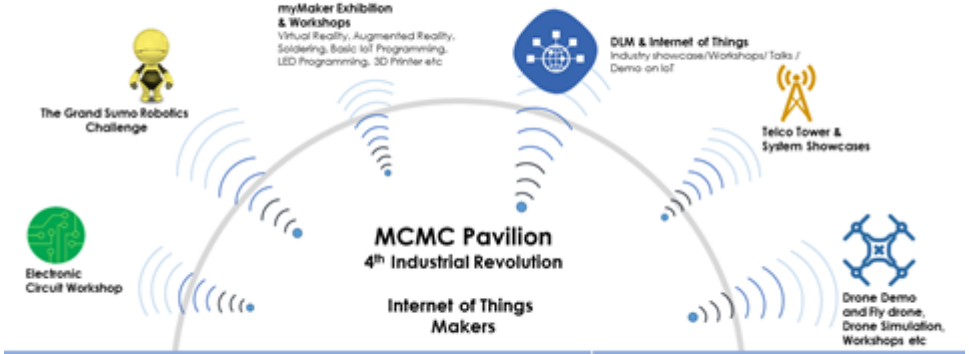
GREAT MIND
Be Part Of Greatness

malaysia mental literacy movement

Jointly organised by: UTAR | AASTI | MiGHT | IEM

2 - 4 November 2018 | 9am - 6pm | *Mines International Exhibition & Convention Centre (MIECC)*

KLESF | MCMC | DIGITAL LIFESTYLE MALAYSIA



Malaysia's own version of Maker showcases:

Exhibitions, workshops & Showcases
Including Internet of Things & Maker's Showcases, Gadgets, Hands-on Activities etc
FREE ENTRANCE

Date:
2 – 4 November 2018
9:00 am – 6:00 pm
Mines International Exhibition & Convention Centre (MIECC)

KUALA LUMPUR ENGINEERING SCIENCE FAIR

KLESF Programme Calendar 2018

malaysia mental literacy movement

JANUARY

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

FEBRUARY

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

MARCH

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

APRIL

M	T	W	T	F	S	S
30						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

MAY

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JUNE

M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JULY

M	T	W	T	F	S	S
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

AUGUST

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SEPTEMBER

M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

OCTOBER

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

NOVEMBER

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

DECEMBER

M	T	W	T	F	S	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JANUARY
- 14th KLESF Mini Workshop [1/22]
- 27th KLESF Mentorship Programme (KMP) Cycle 1 [1/8]
- 28th KLESF Mini Workshop [2/22]

FEBRUARY
- 3rd KLESF Mentorship Programme (KMP) Cycle 1 [2/8]
- 4th KLESF Mini Workshop [3/22]
- 10th KLESF Mentorship Programme (KMP) Cycle 1 [3/8]
- 24th KLESF Mentorship Programme (KMP) Cycle 1 [4/8]
- 25th KLESF Mini Workshop [4/22]

MARCH
- 3rd KLESF Mentorship Programme (KMP) Cycle 1 [5/8]
- 4th KLESF Mini Workshop [5/22]
- 10th KLESF Mentorship Programme (KMP) Cycle 1 [6/8]
- 18th KLESF Mini Workshop [6/22]
- 29th - 30th KLESF Mobile Workshop [1/3] & MMLM Mind Fest
- 31st KLESF Mentorship Programme (KMP) Cycle 1 [7/8]

APRIL
- 1st KLESF Mini Workshop [7/22]
- 7th KLESF Mentorship Programme (KMP) Cycle 1 [8/8]
- 14th Mind Competitions 2018 by MMLM
- 15th KLESF Mini Workshop [8/22]
- 28th - 29th KLESF Mentor Development (KMD) Programme

MAY
- 6th KLESF Mini Workshop [9/22]
- 20th KLESF Mini Workshop [10/22]
- 24th - 25th KLESF Mobile Workshop [2/3] & MMLM Mind Fest

JUNE
- 3rd KLESF Mini Workshop [11/22]
- 9th KLESF Mentorship Programme (KMP) Cycle 2 [1/8]
- 24th KLESF Mini Workshop [12/22]
- 30th KLESF Mentorship Programme (KMP) Cycle 2 [2/8]

JULY
- 1st KLESF Mini Workshop [13/22]
- 7th KLESF Mentorship Programme (KMP) Cycle 2 [3/8]
- 14th KLESF Mentorship Programme (KMP) Cycle 2 [4/8]
- 15th KLESF Mini Workshop [14/22]
- 21st KLESF Mentorship Programme (KMP) Cycle 2 [5/8]
- 26th - 27th KLESF Mobile Workshop [3/3] & MMLM Mind Fest
- 28th KLESF Mentorship Programme (KMP) Cycle 2 [6/8]
- 29th KLESF Mini Workshop [15/22]

AUGUST
- 4th KLESF Mentorship Programme (KMP) Cycle 2 [7/8]
- 5th KLESF Mini Workshop [16/22]
- 11th KLESF Mentorship Programme (KMP) Cycle 2 [8/8]
- 18th Symposium on Science Education 2018 (SoSE 2018)
- 19th KLESF Mini Workshop [17/22]

SEPTEMBER
- 2nd KLESF Mini Workshop [18/22]
- 23rd KLESF Mini Workshop [19/22]

OCTOBER
- 7th KLESF Mini Workshop [20/22]

NOVEMBER
- 2nd - 4th KLESF The Fair 2018 & KLESF Challenge 2018

DECEMBER
- 9th KLESF Mini Workshop [21/22]
- 23rd KLESF Mini Workshop [22/22]

* Subject to change.

Visit www.klesf.net for latest version and full info on calendar events.

KLESF Mini Workshop
Time: 9.00am to 11.00am
Venue: UTAR Sungai Long Campus

KLESF Mentor Development (KMD) Programme
Time: 9.00am to 5.30pm
Venue: UTAR Sungai Long Campus

KLESF Mobile Workshop & MMLM Mind Fest
Time: 9.00am to 5.30pm
Venue: To be updated in website

Mind Competitions 2018
Malaysia Mental Literacy Movement
Time: 9.00am to 5.30pm
Venue: UTAR Sungai Long Campus

Symposium on Science Education 2018 (SoSE 2018)
Time: 9.00am to 5.00pm
Venue: UTAR Sungai Long Campus

KLESF: The Fair 2018 & KLESF Challenge 2018 Malaysia Festival of the Mind 2018
Time: 9.00am to 6.00pm
Venue: UTAR Sungai Long Campus

KLESF Mentorship Programme (KMP) Cycle 1 [Jan - Apr 2018] Cycle 2 [Jun - Aug 2018]
Venue: To be updated in website

- KLESF Mini Workshop [22 sessions]
- KLESF Mentorship Programme (KMP) Cycle 1 [Jan - Apr 2018]
- KLESF Mentorship Programme (KMP) Cycle 2 [Jun - Aug 2018]
- MMLM Mind Competitions 2018 [14 April 2018]
- KLESF Mobile Workshop & MMLM Mind Fest [3 sessions]
- KLESF Mentor Development (KMD) Programme
- Symposium on Science Education 2018 (SoSE 2018)
- KLESF The Fair 2018 & KLESF Challenge 2018 and Malaysia Festival of the Mind 2018
- Holidays

Contact us:

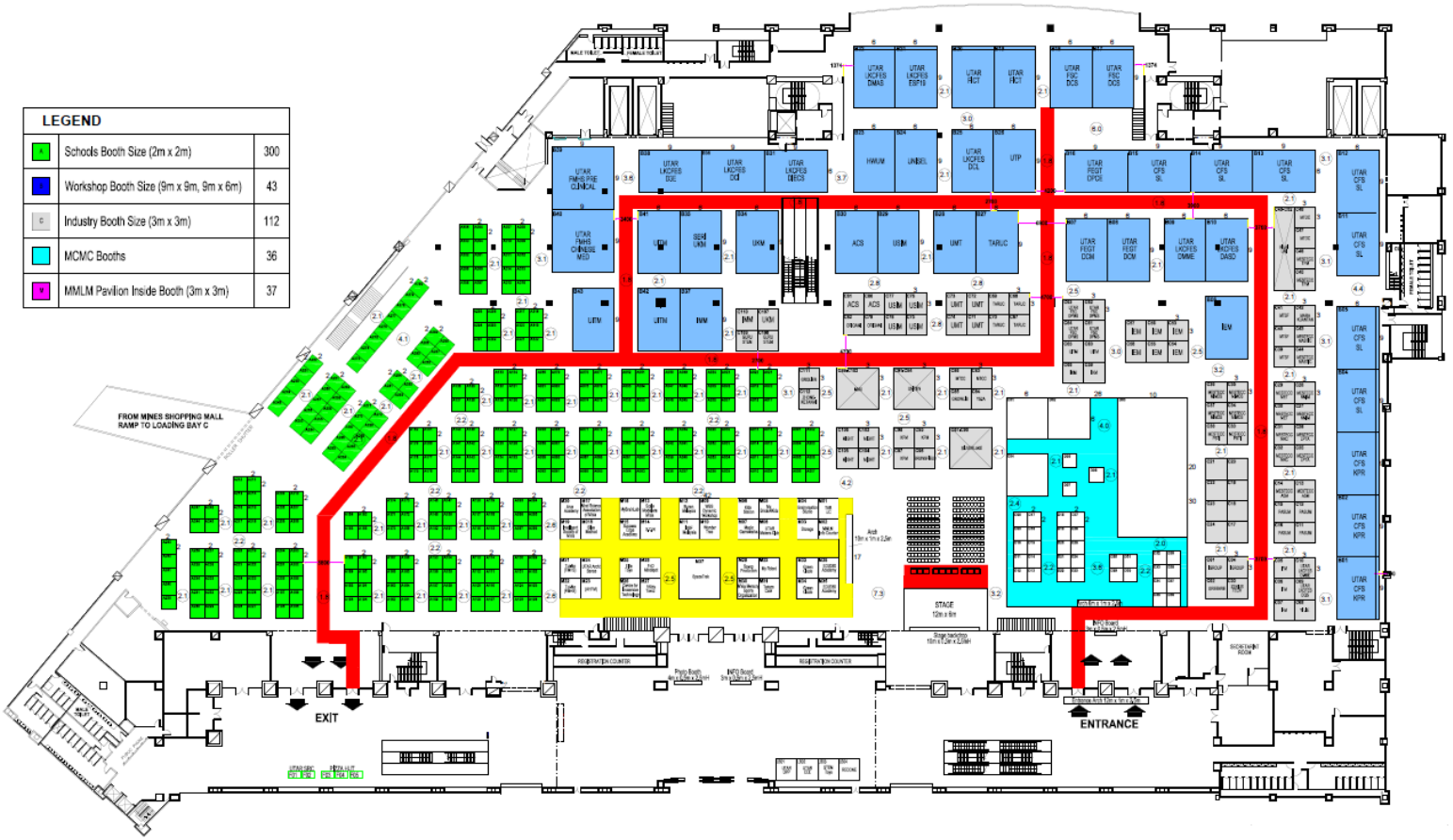
Kuala Lumpur Engineering Science Fair
c/o Universiti Tunku Abdul Rahman
Jalan Sungai Long, Bandar Sungai Long,
Cheras, 43000 Kajang
Selangor Darul Ehsan, Malaysia

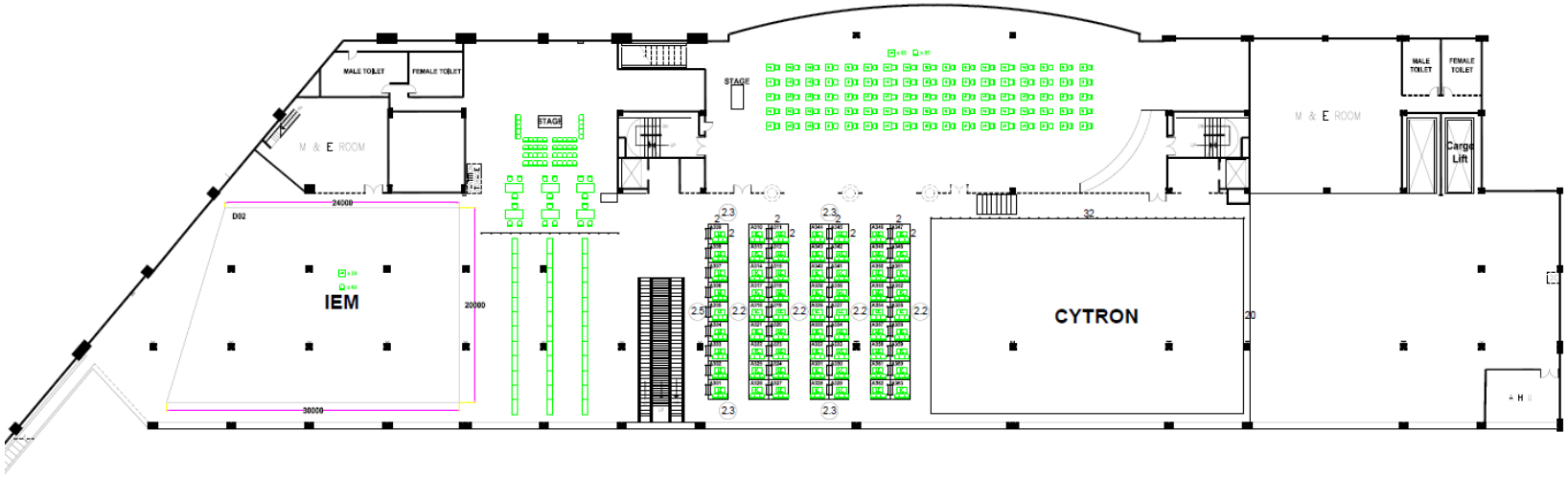
+603-90860288 Ext: 118/119
+6011-18889397
+603-9019 3188
www.klesf.net
www.facebook.com/KLESF
info@klesf.net

Jointly organised by:

Supported by:

60,000++ visitors


LEGEND
Schools Booth Size (2m x 2m) 300
Workshop Booth Size (9m x 9m, 9m x 6m) 43
Industry Booth Size (3m x 3m) 112
MCMC Booths 36
MMLM Pavilion Inside Booth (3m x 3m) 37
FROM MINES SHOPPING MALL RAMP TO LOADING BAY C
EXIT
ENTRANCE
STAGE

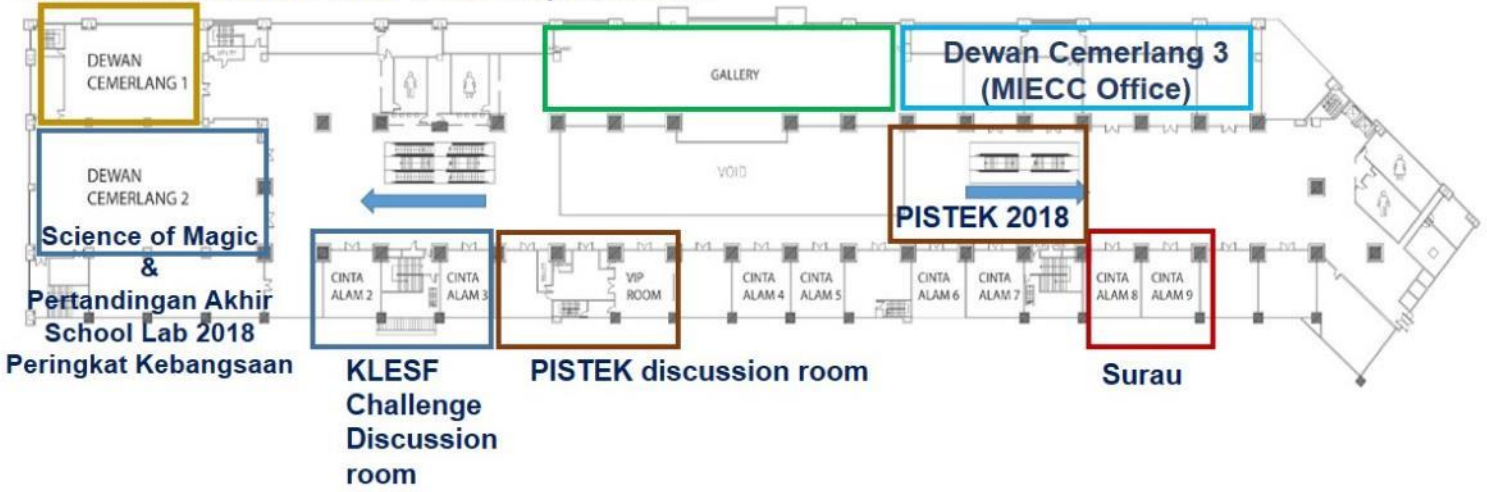

MALE TOILET
FEMALE TOILET
M & E ROOM
STAGE
D02
24000
IEM
20000
30000
STAGE
MALE TOILET
FEMALE TOILET
M & E ROOM
Cargo Lift
32
CYTRON
20

LAYOUT PLAN – LEVEL 2,

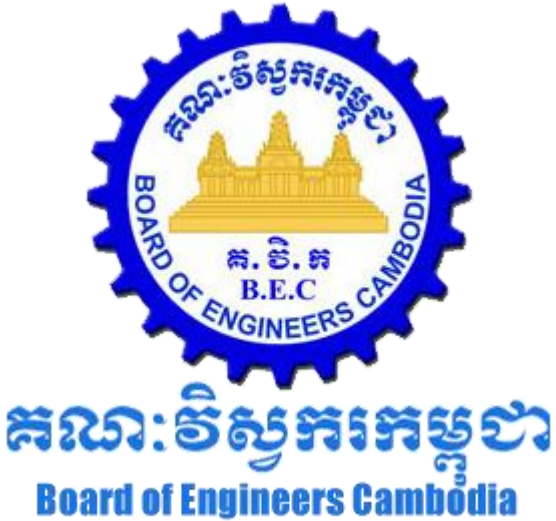
FUNCTION ROOMS

LEVEL 2

3rd International Junior Chem-E Car Competition 2018



Capacity Building



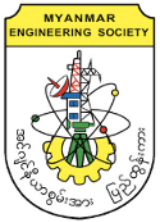
Training on
“Professional Facility Management (FM1)”
28-29 September 2018

Training on
“Professional Facility Management (FM2)”
2-3 November 2018

Training on
“Project Management”
20-21 December 2018

မြန်မာနိုင်ငံအင်ဂျင်နီယာကောင်စီ

Myanmar Engineering Council



Myanmar Engineering Society

IEM Past President

Academician Ir. Prof. Dr. Chuah Hean Teik

TERIMA KASIH