



12 - 14 November 2018
Resorts World Sentosa, Singapore



IEM

WE
WOMEN
ENGINEERS

Women Engineers MALAYSIA



The Institution of Engineers, Malaysia
Women Engineers Section (WE)

Welcome To Malaysia



IEM in Malaysia

Institution of Engineers Malaysia: Women Engineers Section (IEM WE)

- **Members:** 47, 989 Members

VISION

To ensure the Engineering Profession values, supports and celebrates the contributions & achievements of Women in Engineering.

MISSION

To build a network connecting Women Engineers and drawing strategic alliances amongst engineering professional bodies to inspire, support and celebrate Women Engineers in their professional development.

IEM-WE OBJECTIVES



OBJECTIVES

To connect women engineers locally & internationally; establishing strong networking

To enable a platform for self-development, continuous learning and contribution to the society

To encourage women engineers to participate in Engineering activities

IEM-WE MEMBERS

Year	Membership of IEM in Malaysia							
	Fellow	Corporate Member	Graduate	Affiliate	Incorporated Member	Associate Member	Companion	Students
2018	12	869	2357	3	12	1	57	11031
2017	12	728	1925	2	10	1	50	8438
2016	12	658	1880	2	6	0	42	7932
2015	12	594	2272	2	2	1	0	6677
2014	12	589	2202	1	3	1	0	2582
2013	11	538	1611	1	2	1	0	2973
Total Women Engineers Members: 14, 342								

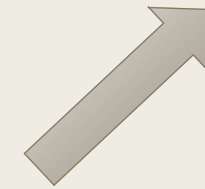
Source: The Institution of Engineers, Malaysia

Current Status

Total Registered Engineers by Category and Gender

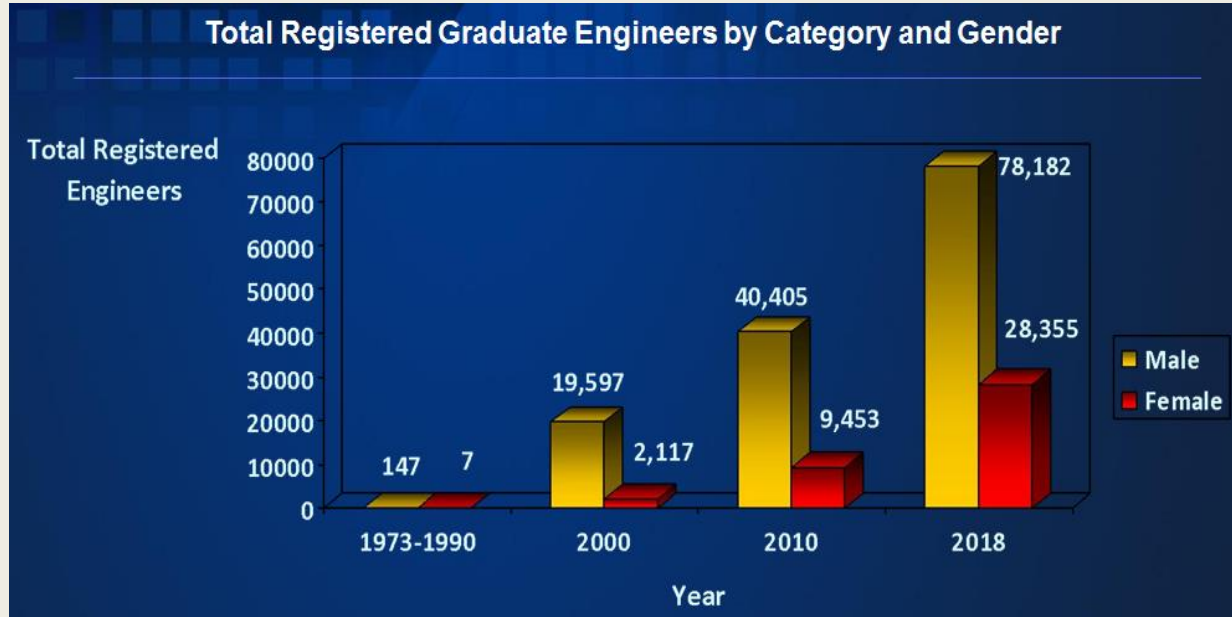
Year	Professional Engineer		Graduate Engineer		Male	Female	% Female vs Male
	Male	Female	Male	Female			
1973-1990	6092	49	147	7	6239	56	0.89758
2000	8446	159	19597	2117	28043	2276	8.116107
2010	10920	384	40405	9453	51325	9837	19.1661
2018	13641	865	78182	28355	91823	29220	31.82209
Total	14506		106537		121043		

Only 5.96% female Professional Engineers



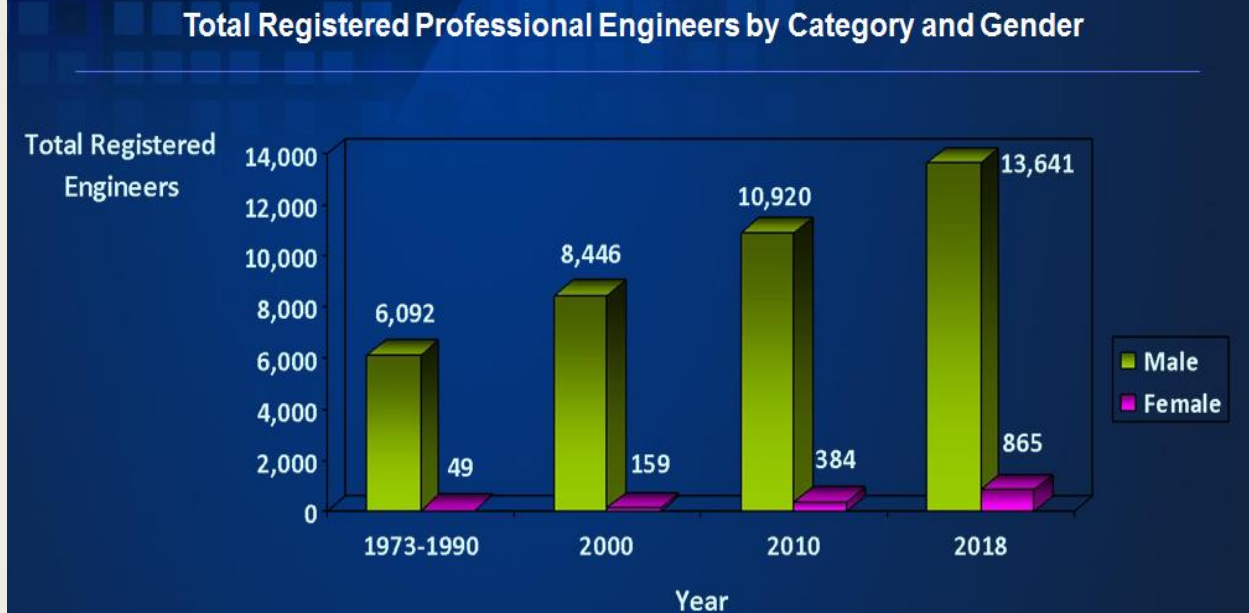
Source: Board of Engineers Malaysia

Current Status

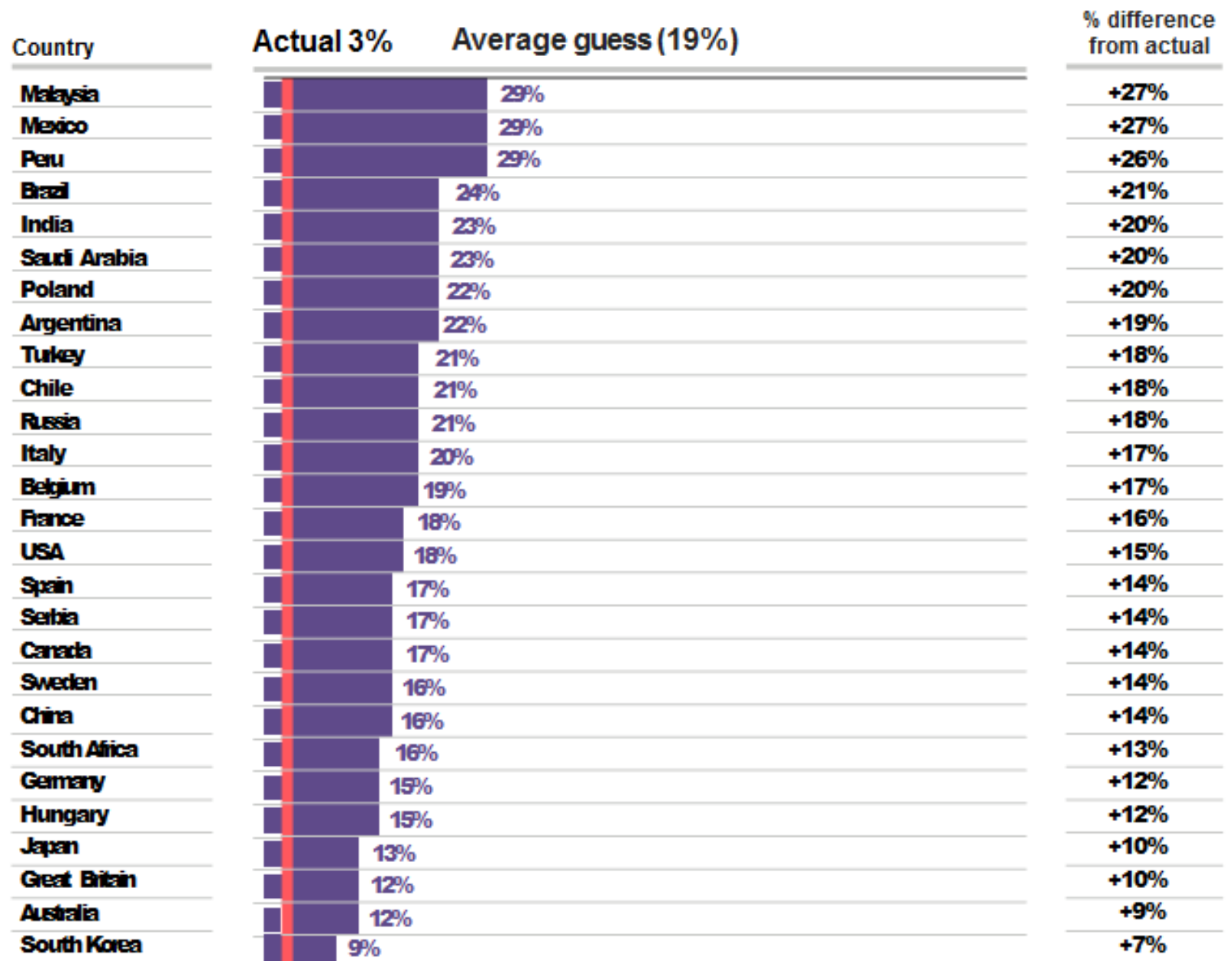


- The aim and challenge is to see that graduated female engineers progress in their career and towards being professionals.

Source: Board of Engineers Malaysia



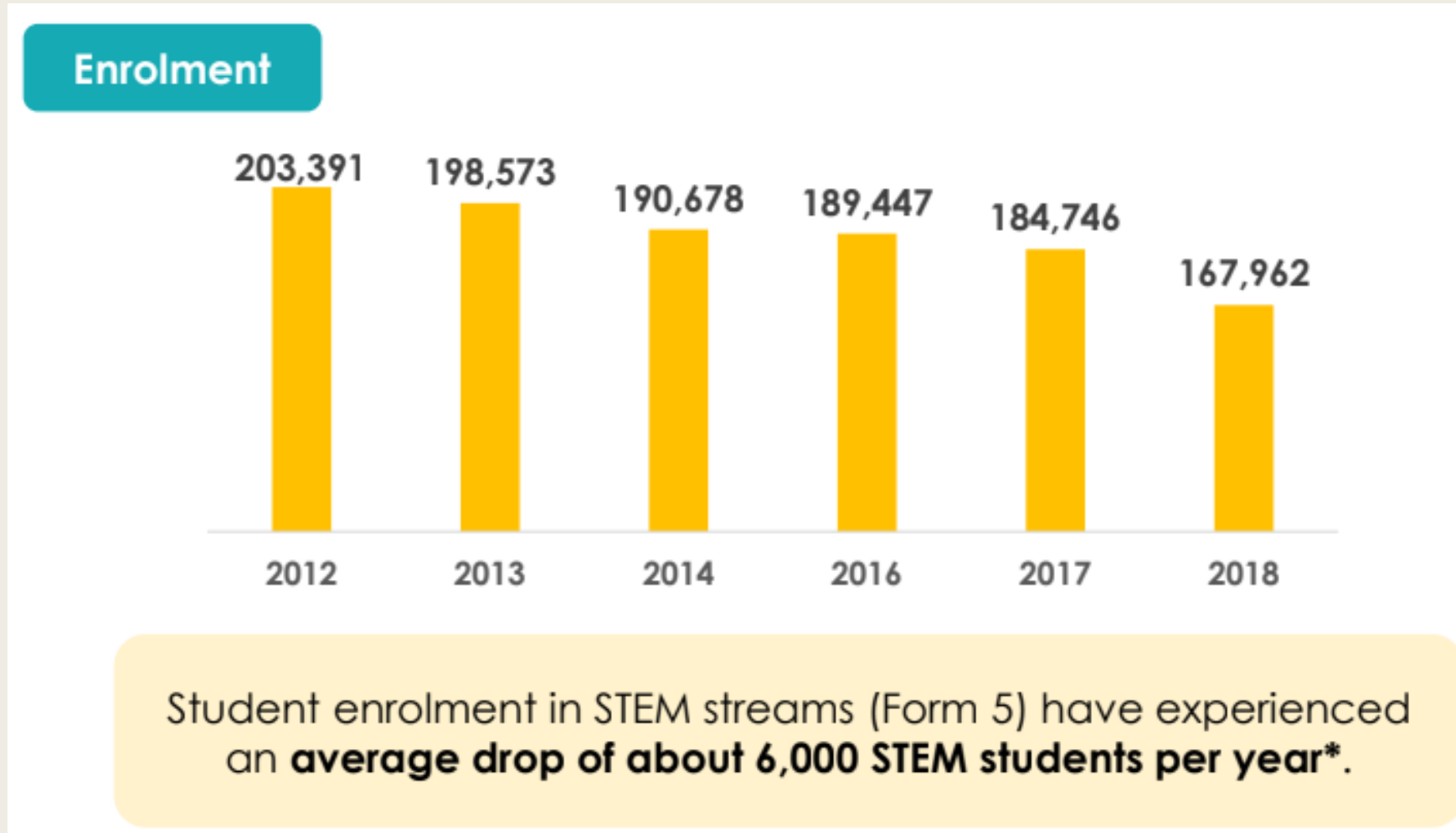
Current Status



Please see <http://perils.ipsos.com/> for full details of all sources.

Current Status

- STEM in Malaysia



Source: *BPPDP, MOE

IEM-WE Activities



**STEM Activities
and Talks at
schools and
universities**



Meetings



**Fellowship with
other Engineering
Bodies Globally**

IEM WE ACTIVITIES 2017/2018



**Technical Talks/
Workshops**



Charity/ Welfare



**Conference
/Forums**

STEM Outreach Activities



STEM Carnival at SMK Sri Andalas, Klang,
Selangor

*STEM Forum organized by National STEM Movement
(NSM) at Tun Raja Uda Selangor Public
Library Corporation (PPAS) on 13 January 2018*

STEM Outreach Activities



Science Week at Jaya One Shopping Centre, April 2018



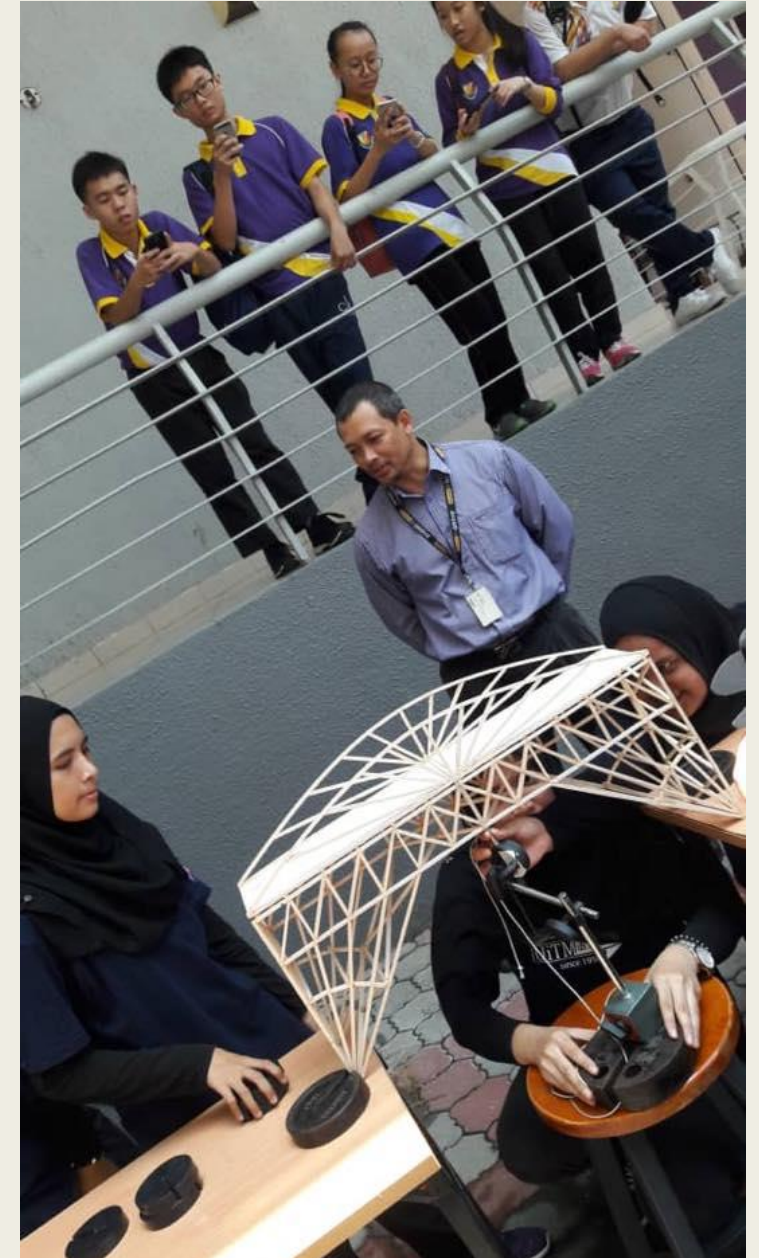
STEM Carnival at Da Men Mall in conjunction with National Science Week 2018

STEM Outreach Activities



STEM Program at ADNI International Islamic School

Iconic Footbridge
Competition at STEM
Carnival UiTM



STEM Outreach Activities



STEM Mentor-Mentee Award at Malaysia Technology Expo 2018 in association with National STEM Movement



UiTM One Day Mentorship Program 2018

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



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



IEM-WE STEM Family Day



21 JULY 2018
MINNATURE MALAYSIA

IEM WE STEM FAMILY DAY
Entrance for 1 Adult

MINNATURE
Malaysia's first and largest 1:87 miniature wonderland featuring local iconic buildings and magical themed models. Loads of fun interactive activities.

WORLD'S LARGEST 3D PRINTED MINIATURE WONDERLAND

The Highlights:

- Malaysia's largest collection of HD brass.
- Malaysia's longest HD railway track.
- 360 degree view of Petronas Merdeka.
- Interactive volcano that grows and smokes when you activate it.
- Interactive exhibits all around Minnature.
- Over 500 push buttons to bring life to the exhibits.

Things to do:

- Upload miniature photography.
- Treasure Hunt Challenge.
- Multimedia Room.
- Be the Guest of Minnature Staff Zone.
- Participate in the Minnature Masterbuilder Workshops.
- Witness how Minnature Masterbuilders create new models.
- Learn and explore about 3D Printing.

Operating Hours
Open Daily Monday - Sunday 10:00 am - 10:00 pm.
Last Entry at 8:00 pm.

Terms & Conditions Apply

- Not exchangeable for cash/entry.
- Each voucher is valid for a single entry.
- All child must be accompanied by an adult.
- Not valid with other ongoing promotions or offer.
- Not valid for group purchase/functions/house/school package.
- Present this voucher at the ticket counter for redemption.
- Management reserves the right to refuse entry to any persons.
- Minnature is smoke/vape free, alcohol free and drug free environment.

EXPIRY DATE:
31-12-18

MINNATURE wholly owned by MINNATURE WONDERS SDN BHD
SUKAMT US1, 4/03A, 8A, 9A, Level 4, PERSIARAN KEWANGAN LRT 1, 47000 SURABANG JAYA, SELANGOR D.E.
Tel: 03 9011 9372 Website: www.minnature.com Email: info@minnature.com



Sustainability Outreach Activity

**Kitchen and Garden Waste Composting
Talk & Technical Visit to Smart PJ Waste
Solution Lab**

Jointly-organised with Petaling Jaya City
Council (MBPJ) and Lions Club of Kuala
Lumpur (Host)



Community Service



Visit to National Autism Society of Malaysia, refugee kids school and setting up a STEM toy library at a pre-school in rural area



Women Engineers Luncheon

Outstanding Women Engineers Luncheon

- To value support and celebrates contribution of women in engineering.



Both industry and academic collaborators were invited to deliver speech at the luncheon.

Women Empowerment Session

Woman Empowerment Session “Breaking The Ceiling” jointly-organized by NACE International, IEM-WE and IMM

- Topics discussed includes mentoring, community and family support, breaking the norm, stereotyping and even harassment.



International Conference



Women in Science, Engineering & Technology 2018 (WiSET2018), 17-19 July 2018 at Kuala Lumpur Convention Center

- Conference was held in conjunction with ASEAN Mechanical and Electrical (M&E) Show 2018, officiated by YB Hannah Yeoh, Deputy Minister of Women, Family and Community Development.
- INWES President, Ms Gail Mattson was the keynote speaker



Networking of Women Engineers



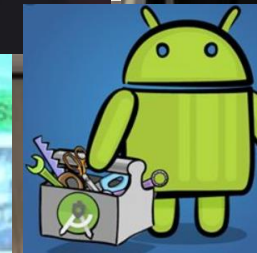
2018 KWSE Young Woman Science Camp

WE-AFEO Mid Term meeting in Jakarta

INWES-APNN 2018 Meeting in Hanoi



Technical Talks/Workshops



Route to MIEM / PEng



“Route to become MIEM/PEng” at Ekovest Gallery on 16 April 2018



“Route to become MIEM/PEng” at Institut Latihan Dewan Bandaraya Kuala Lumpur (IDB) on 31 October 2018

Women Engineers and the media



Live interview was held at “Selamat Pagi Malaysia” (Good Morning Malaysia) show at RTM TV1 on 25 June 2018 at 8:30am



Promoting STEM Education in new Malaysia at The Business Station together with IEM Vice President, Dr. Jeffrey and Dato' Prof. Dr. Noraini Idris, Chairperson of National STEM Movement

Women Engineers and the media



WiSET Promotion at “Women of Today” show at TV3 aired on 13 July 2018

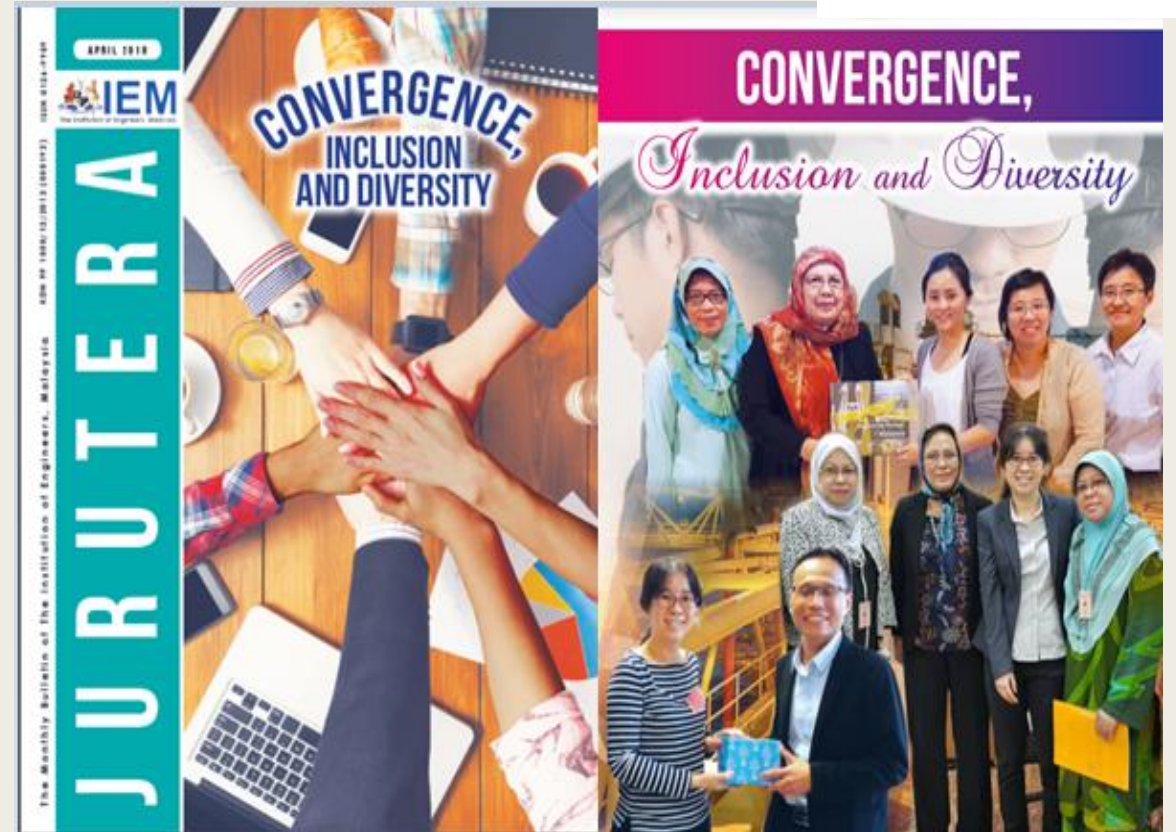


Students building Chem-E car.

Women Engineers and the media

JURUTERA April 2018 Bulletin

- WES championed the April 2018 edition of Jurutera Bulletin.
- Women Engineers published articles on women in STEM.
- It emphasized on the importance of inclusion and diversity to empower women.
- We highlight the success and challenges of women in STEM.



THANK YOU



**IEM Women Engineers
Section (IEM WE)**



#iemwomenengineers