



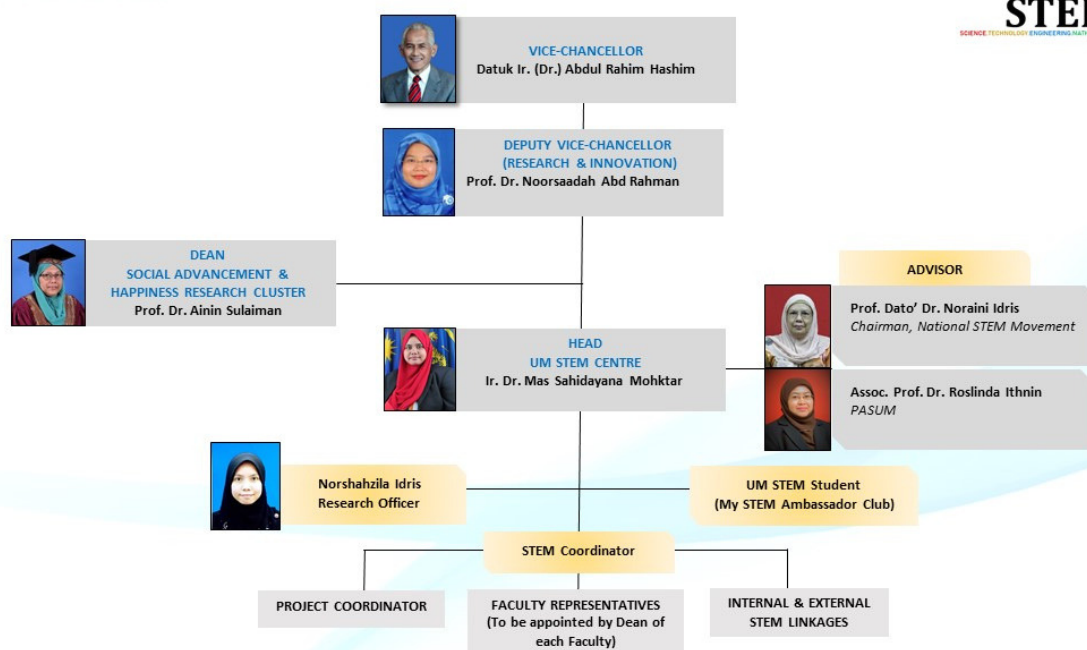
**UM
STEM**

SCIENCE. TECHNOLOGY. ENGINEERING. MATHEMATICS

UM STEM ACTIVITIES



ORGANISATIONAL CHART OF UM STEM CENTRE



Faculty Representatives

No	Name	Department	Faculty
1	Assoc. Prof. Dr. Sarinder Kaur A/P Kashmir Singh	Institute of Biological Sciences	Faculty of Science
2	Professor Dr. Mohd Omar	Institute of Mathematical Sciences	
3	Professor Dr. Azhar Arifin	Department of Chemistry	
4	Professor Dr. Sithi Vinayakam A/L Muniandy	Department of Physics	
5	Dr. Khairul Anam Che Mentri	Department of Science and Technology Studies	
6	Dr. Shaifulazuar Rozali	Department of Mechanical Engineering	Faculty of Engineering
7	Dr. Thamil Selvee A/P Ramasamy	Department of Molecular Medicine	Faculty of Medicine
8	Sr. Raha Sulaiman	Department of Building Surveying	Faculty of Built Environment
9	Dr. Mohamad Faithal Hj. Hassan	Centre for Sports and Exercise Sciences	Centre for Sport and Exercise Sciences
10	Dr. Adilah Abdul Gapor	Department of Applied Statistics	Faculty of Economics and Administration
11	Dr. Azlin Zaiti Zainal	Department of English Language	Faculty of Languages and Linguistics
12	Dr. Abdul Halim Ibrahim	Applied Science with Islamic Studies Program	Academy of Islamic Studies
13	Dr. Roslina Ismail	Visual Arts Program	Cultural Centre
14	Dr. Hidayah Mohd Fadzil	Department of Mathematics and Science Education	Faculty of Education
15	Dr. Raja Jamilah Raja Yusof	Department of Software Engineering	Faculty of Computer Science and Information Technology
16	Dr. Mahanom Jalil	Biology Division	Centre for Foundation Studies in Science (PASUM)

IMT-GT UniNet 1st Meeting

12 December 2018

Universiti Kebangsaan Malaysia

Organiser: National STEM Movement (NSM), IMT-GT UniNet & UM STEM Centre



Indonesia-Malaysia-Thailand Growth Triangle (IMT-GT) UniNet 1st meeting was held on 12th December at the UKM-CSB, Universiti Kebangsaan Malaysia. The purpose of this meeting is to gather all stakeholders, and create strategies and support to IMT-GT UniNet STEM activities. The STEM chapter has been formally established on the 30th August 2018 at the Syiah Kuala University, Banda Aceh, Indonesia.

It is established due to the global concern on the declining interest in STEM, which is also affecting the IMT-GT member countries. In this chapter, Prof. Dato' Dr. Noraini Idris (President, National STEM Movement) is the appointed chair, Ir. Dr. Mas Sahidayana Mohktar from University of Malaya is the appointed secretary and UM STEM Centre is the appointed secretariat.



* The IMT-GT is established in year 1993 with an idea of shared services on the Malaysia boarder countries including Sumatera and Southern Thailand. The services cover the economy, social and education sectors. UniNet is established under the umbrella of Human Resource Development pillar and currently being chaired by the Syiah Kuala University.

Bengkel Garis Panduan My STEM Ambassador 20 & 21 December 2018

Premiera Hotel Kuala Lumpur

Objectives: 1) to introduce My STEM Ambassador at university level; and 2) to create STEM teaching guidelines for undergraduate students (involves volunteerism and community outreach)



Organiser: Bahagian Pembangunan Mahasiswa (BPMs), JPT & UM STEM Centre



Pembentangan STEM Challenge SMK Bandar Utama Damansara (4) 12 November 2018

Damansara

Organiser: UM STEM Centre &
PIBG SMK BU4



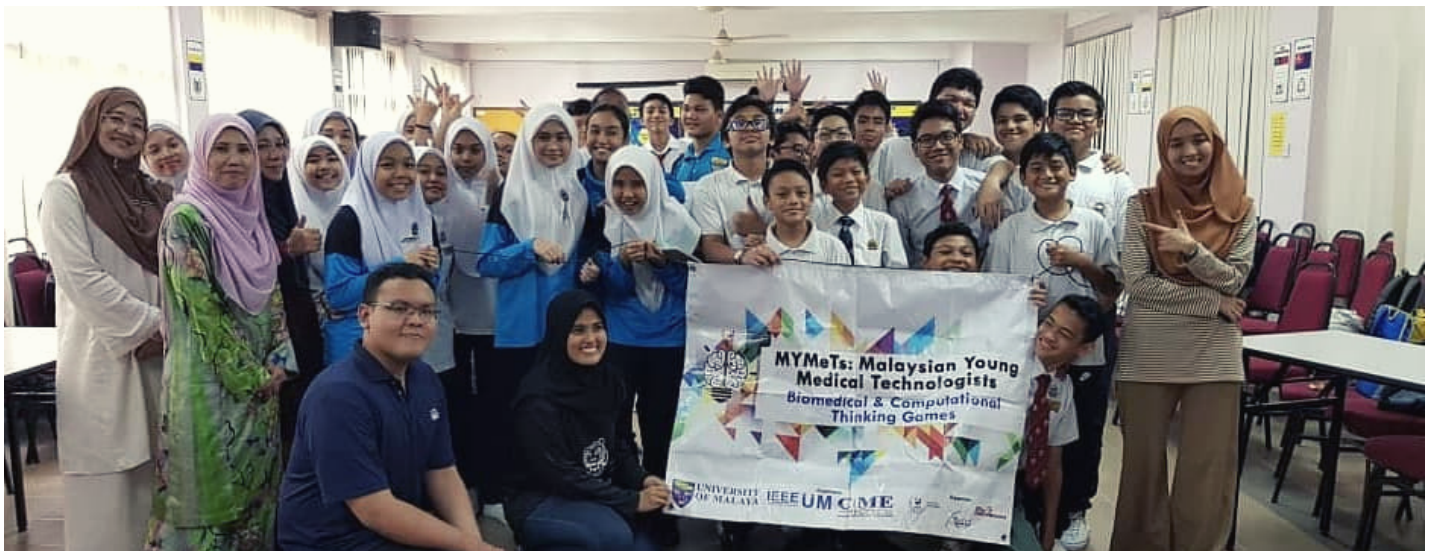
MyMETS Biomedical and Computational Games

12 November 2018

SMK Seksyen 9, Shah Alam

STEM Coordinator: Dr. Teh Swe Jyan

Organiser: CIME, IEEE Student Branch, Faculty of Computer Science & Information Technology (FSKTM) & UM STEM Centre



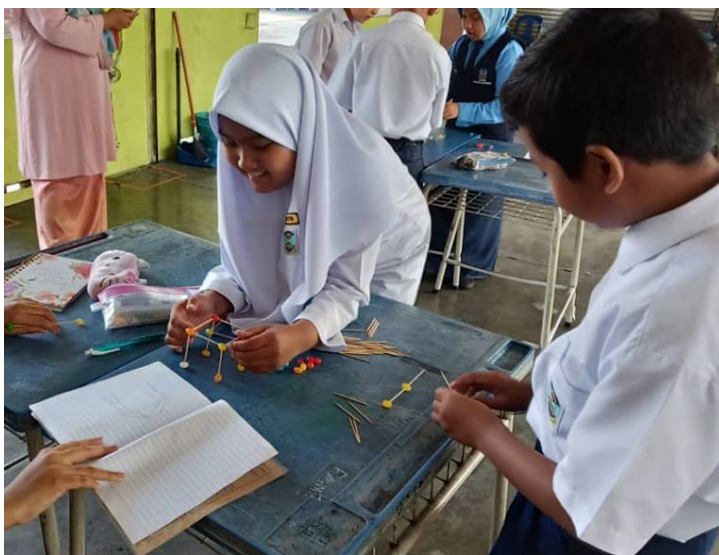
STEM Activities with Standard 5, SK Alam Shah 1, Petaling Jaya

12 November 2018

Petaling Jaya

STEM Coordinator: Dr. Faridah Sonsudin
PASUM

Organiser: Let's Go To Mummie's Lab,
Faculty of Engineering & UM STEM Centre





Team: Mushroom
Research Centre, UM



Team: Water Warriors, UM

Karnival Pendidikan #SMARTSelangor 2018 10 - 12 November 2018

Shah Alam Convention Centre (SACC)

STEM Coordinator:

Dr. Ninie Suhana Abdul Manan

Faculty of Science



Team: Faculty of Dentistry, UM



Team: Let's Go To Mummie's Lab, Dept. of
Biomedical Engineering UM

2018 Activities

- | | |
|-------------|--|
| 5 Dec | - Board of Engineers Malaysia (BEM) STEM Day.
STEM Coordinator: Ir. Dr. Mas Sahidayana, Faculty of Engineering |
| 17 Nov | - STEM Exhibition, <i>Pusat Zakat Selangor</i>
STEM Coordinator: Dr. Nooranida Arifin, Faculty of Engineering |
| 15 - 17 Nov | - UM Research Carnival 2018, Dewan Tunku Canselor, UM
Team: Let's Go To Mummie's Lab, Faculty of Engineering & Faculty of Dentistry. STEM Coordinator: Dr. Ninie Suhana Abdul Manan, Faculty of Science |
| 9-11 Nov | - STEM Young Leaders Camp 2018: Urban Agriculture for Sustainable Future. Organiser: SK Taman Selasih in collaboration with UM STEM Centre. STEM Coordinator: Dr. Salmah Karman, Faculty of Engineering |
| 8-9 Nov | - 1st APACSTEM Roundtable 2018. Organiser: NSM |



STEM Workshop in Sandakan 9 - 10 November 2018

STEM Coordinator: Dr. Rose Amnah Abd. Rauf
Faculty of Education



STEM Let's Go To Mummie's Lab Program with SK Bukit Tinggi Klang 8 November 2018

STEM Coordinator: Dr. Juliana Usman
Faculty of Engineering



KL Engineering Science Fair 2018

2 - 4 November 2018

MINES International Exhibition and Convention Centre
(MIECC)

STEM Coordinator: Dr. Faridah Bee Mohamed Ibrahim
PASUM



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)



FOR PARENTS & STUDENTS

SET TO BE BIGGER AND
BETTER, WITH FUN,
INTERACTIVE AND
INTERESTING IN STEM
ACTIVITIES,



KLESF Exhibitions

Visit from University of Phayao, Thailand 23 October 2018



Delegation of 22 members from the College of Management, University of Phayao, Bangkok Campus was paid a visit to UM STEM Centre at Conference Room, Engineering Tower, UM. The meeting was chaired by Ir. Dr. Mas Sahidayana Mohktar, head of UM STEM Centre. The purpose of this educational visit was to provide the postgraduate students an insight into educational administration. The meeting was also attended by Dr. Rohana Mahmud from CITRA, UM.



UM Art Gallery



Meeting at Conference room



3D Pancake at Sandbox Cafe

MENTARI Project 2018
13, 14, 20 & 21 October 2018
30 September 2018
4 November 2018 (Final)

Desa Mentari, Petaling Jaya
STEM Coordinator: Dr. Kartini Abdul Jabar
Faculty of Medicine



**AMBASSADOR
IN ACTION!**



STEM GARDEN @ PASUM
8, 13 & 27 October 2018
(ongoing)

Centre for Foundation Studies
in Science (PASUM)
STEM Ambassador:
Husna, Fitri, Zul, Kadir & Yazid
Staff:
Assoc. Prof. Dr. Roslinda Ithnin,
Dr. Faridah & Mr. Ahmad Zakuan

STEM for Primary School Mathematics Teachers Project

10 October 2018

STEM Coordinator: Dr. Suzieleez Syrene Abdul Rahim
Faculty of Education



1st STEM Entrepreneurship Talk Series

10 October 2018

Lecture Hall 4, Engineering Tower, UM
STEM Coordinator: Assoc. Prof. Ir. Dr.
Belinda Murphy
Faculty of Engineering



MyMETs Computational Games

22 September 2018

STEM Coordinator: Dr. Raja Jamilah Raja Yusof
 Organiser: CIME, IEEE Student Branch UM & Faculty of Computer Science & Information Technology (FSKTM)



2018 Activities

- | | |
|-------------|---|
| 20 Sep | - STEM Mentoring session with SMK Bandar Utama 4 (BU4)
STEM Coordinator: Dr. Andrew Ng Kay Lup, Faculty of Engineering
- Visit from Form 6 , Sekolah Menengah Kebangsaan, Shah Alam.
STEM Coordinator: A.P. Dr. Roslinda Ithnin, PASUM |
| 19 Sep | - <i>Program ToT Guru Matematik Menengah Rendah</i> - Fun Smart Learning.
STEM Coordinator: Dr. Leong Kwan Eu, Faculty of Education |
| 18 Sep | - STEM@My Maker Space, The School, Jaya One. Organiser: NSM
- Bengkel Penulisan Buku Bersama Dewan Bahasa & Pustaka.
Organiser: NSM |
| 18 & 20 Sep | - Visit from Kolej Tingkatan Enam Petaling Jaya/Shah Alam to UM STEM Centre & Faculty of Engineering. STEM Coordinator: A.P. Dr. Roslinda Ithnin |
| 13 Sept | - National Science Challenge Grand Final 2018 at Dewan Tunku Canselor, UM. Organiser: ExxonMobil Malaysia & Akademi Sains Malaysia |
| 12 & 13 Sep | - STEM in Me teaching modules at SMK BU4, in collaboration with The Institution of Engineers Malaysia (IEM) and UM STEM Centre |
| 8 Sep | - Visit Sekolah Tinta STEM Exhibition 2.0 |
| 20 Aug | - Workshop: CodeCamp with BBC micro:bit. Department of Electrical Engineering, Faculty of Engineering, UM |
| 17 Aug | - Meeting with Cosmoderm - Mentari Project |
| 15 Aug | - Meeting with National STEM Movement |
| 12 Aug | - Program Kecemerlangan (UPSR) @ Hasanah |
| 6 Aug | - Meeting on Mentor Mentee Program @ KL |



The centre aims to provide a platform for STEM (Science, Technology, Engineering, Mathematics) education activities which will encourage students ranging from pre-schools until tertiary level to be involved with STEM education.

Objectives:

1. To promote STEM education;
2. To serve as a focal point and a gathering platform for government, education industries, academia, stakeholders in the various disciplines of STEM;
3. To act as linkage and directory for lifelong initiative in STEM; and
4. To support educators and researchers in STEM related projects.

Minggu Haluan Siswa Talk Introduction of UM STEM Student Ambassador Club 3 September 2018

Dewan Tunku Canselor, UM
STEM Coordinator:
Prof. Dr. Amir Feisal Merican, Faculty of Science



Invited speaker: Prof. Dato' Dr. Noraini Idris, Chairman of National STEM Movement (NSM)

Workshop & Meeting Indonesia-Malaysia-Thailand Growth Triangle (IMT-GT) UniNet STEM 29 - 30 August 2018

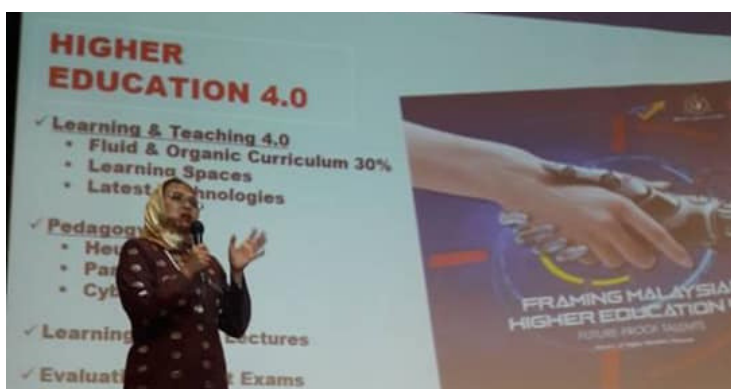
University in Banda Aceh
Organiser: Syiah Kuala University



Auditorium, Centre of Foundation Studies in Science (PASUM), UM
In collaboration with National STEM Movement



The 1st public announcement by the VC regarding the emerging UM STEM Centre and also the presence of the previous UM Chairman of the Board as well as Datin Paduka Ir. Dr. Siti Hamisah.



Various activities conducted such as talks, STEM presentations, exhibitions, and educational games.



JOIN US!

upcoming event!

Young Explorer Science Camp 25 - 29 March 2019

TM Convention Centre, Kuala Lumpur
STEM Coordinator: Dr. Wan Safwani,
Faculty of Engineering

The 2nd National STEM Seminar 14 - 15 August 2019

Centre for Foundation studies in Science (PASUM)
STEM Coordinator: Dr. Mahanom Jalil, PASUM

Yayasan **TM**

YOUNG EXPLORER SCIENCE CAMP

By The Mummie's Lab, University of Malaya

SCHOOL HOLIDAY IS BACK

25 - 29 MARCH 2019 | 9.00AM - 4.00PM | TM CONVENTION CENTRE, KUALA LUMPUR

25 March 2019	Mystery Monday	Personal Identification Detective & Bionic Hand
26 March 2019	Tinkering Tuesday	DIY Prosthetic Leg & Math on the Move
27 March 2019	Wonders Wednesday	Electronic Circuit & Electrical Telegraph
28 March 2019	Terrific Thursday	Volcano Experiment & Fibre Optics
29 March 2019	Funtastic Friday	Engineer A Tower & Microwave Signals

- Age 5 to 12 years old
- Seats are limited to 30pax/day
- Light snacks and lunch are provided
- Professional Instructors from UM STEM Center & TM TCOE, ITNT

CLICK HERE FOR REGISTRATION

Contact us:
yayasantm@tm.com.my
03-22400635 (Norlana)
03-22401795 (Zulhiza)

RM60 per day
Discount RM50 for full courses (1 week)

UNIVERSITY OF MALAYA
14 & 15 August

The 2nd National STEM Seminar 2019

Are you a parent/student/educator? Are you a stakeholder looking for the next top local STEM talent? Come and join us at the University of Malaya where kids play STEM and adults share innovative and creative ideas in making STEM a fun learning experience!

Search "Pusat Asasi Sains, UM" for exact direction to venue

In collaboration with

PASUM
Centre for Foundation Studies in Science

Joint organiser

UM STEM
SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS

NATIONAL STEM MOVEMENT

PARTICIPANT Come together for an awesome experience RM100	PRESENTER Abstract (min 300 words) submission required RM250	GROUP SPECIAL for group of 6 participants!!! RM500	SCHOOL SPECIAL up to 30pax school students RM500
ABSTRACT SUBMISSION Presenter may download abstract template from https://goo.gl/6fnejF and submit abstract to stemseminar@um.edu.my		BOOTH 1 large table and 3 chairs provided RM250	FAMILY PASS for 2 adults + 2 kids RM300

Registration fees (any package) include all-day pass, lunch and tea for 2 days!!

REGISTER NOW

2 Aug 2019
Registration and Payment Deadline

Registration Link
<https://goo.gl/gRrvMU>

Online payment to PASUM, UM
Account number: 98905000001217 (CIMB)
Recipient reference: STEM2019
Recipient email: stemseminar@um.edu.my
** please upload a copy of proof of payment to complete your registration

Payment Instructions

In affiliation:



Social Advancement
& Happiness
Research Cluster
University of Malaya

@ stem@um.edu.my

f **UM STEM Centre**

ig **umstem_centre**