



Malaysia to NASA Success and Challenges: My Journey to Fulfill My Dream by Florence Tan

20 July 2022

The Association of Science Technology and Innovation (ASTI) in collaboration with Universiti Malaya

The Association of Science, Technology and Innovation (ASTI), The U.S. Embassy Kuala Lumpur and University Malaya STEM Centre organised a Networking Lunch with Ms. Florence Tan, a Malaysian born NASA Scientist on 20 July 2022 at 12.00 noon at Universiti Malaya, Kuala Lumpur. After that, there was an exciting and informative hybrid event - Talk & Sharing with NASA Scientist by Florence Tan. During the event, she shared her inspiring story of success and the challenges she faced in pursuing her dream. It was a fantastic opportunity to learn from a talented and accomplished scientist.







UM-ILO STEM-TVET BEST PRACTICE & PLAN-DO-CHECK-ACT (PDCA) WORKSHOP - INTEGRATION OF STEM-RELATED GENERIC SKILLS INTO TVET AND SKILLS TRAINING

28-30 July 2022

Kuala Terengganu Golf Resort, Terengganu UM-ILO-UK Partnership

The best practice and PDCA workshop held on 28-30 July 2022 was a collaborative effort between UM-ILO-UK partnership and Institut Latihan Perindustrian Kuala Terengganu, Terengganu (ILPKT). The workshop commenced with a sharing session on previous pilot implementations with master trainers and then focused on ways to enhance the modules. The UM-ILO-UK partnership is part of SfP-Malaysia's larger endeavour to improve the quality, inclusiveness, relevance and cost-effectiveness of TVET and skills development systems in Malaysia.













ILMU FALAK DAN STEM

4 Ogos 2022

Sekolah Islam Darul Ehsan, Subang Jaya, Selangor Jabatan Fiqh & Usul dan Jabatan Fizik, Universiti Malaya dengan kerjasama Pusat STEM UM







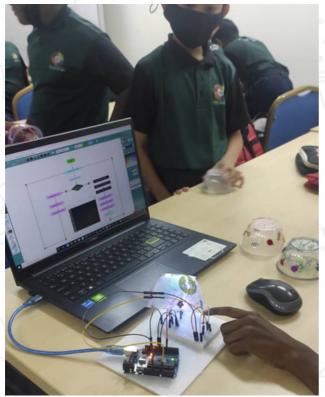






LAWATAN STEM: SEKOLAH KEBANGSAAN ST. PAUL, NEGERI SEMBILAN

17 Ogos 2022 Bangunan High Impact Research (HIR), Universiti Malaya







STEM Carnival @ SMKJ (C) Chong Hwa, Kuala Lumpur

2 October 2022 Dewan SMKJ (C), Chong Hwa, Kuala Lumpur





Universiti Malaya Research Gallery

7 September - 7 October 2022 Research Management and Innovation Complex, UM

The Universiti Malaya Research Gallery, which was held from 7 September to 7 October 2022 at the Research & Innovation Management Complex Exhibition Hall, IPPP UM, was a collaborative effort between the TNC (Research & Innovation) portfolio under the Research Services Division (BPP), IPPP, and PTj/ Faculties/ Research Center. The primary objective of this gallery was to showcase UM's research and innovation initiatives and results to a diverse audience, including researchers, industry professionals, the media, and the general public. Additionally, the event provided an excellent opportunity for researchers, industry experts, media professionals, and the public to meet, connect, and engage with each other on a variety of topics related to research and innovation across all disciplines.



STEM Karnival Bait Al Hasanah

22 October 2022 Bait Al-Hasanah, Klang, Selangor









Lawatan SMK Taman Universiti 2

28 Oktober 2022 Pusat Asasi Sains, Universiti Malaya (PASUM)









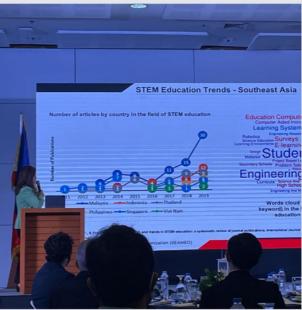
3RD INTEGRATED STEM LEADERSHIP SUMMIT

3 - 4 November 2022 Bayanihan Centre, Manila, Philippines

The Third Integrated STEM Leadership Summit in Asia is a collaborative learning space where leaders of different sectors of society and policymakers come together and engage in transdisciplinary dialogues to formulate holistic, sustainable, and systemic solutions at the nexus of education, health, economy, environment, arts, and culture. UM STEM Centre has represented Universiti Malaya by presenting a project entitled Integration of STEM-related generic skills into TVET and skills training. This project can help individuals especially TVET institution to develop a wide range of skills that can be useful for their personal and professional growth and contribute to society's overall development.







MoU ceremony between UM and Micron

25 November 2022 Lecture Hall, Faculty of Engineering, Universiti Malaya MICRON Foundation and UM STEM Centre

On November 25, 2022, the Memorandum of Understanding (MoU) was signed between Universiti Malaya and Micron. The Dean of the Faculty of Engineering, Universiti Malaya, Professor Ir. Dr. Kaharudin Bin Dimyati, and Senior Director of Global People Services at Micron, Mr. Moorthy Murugaiah, signed the MoU. The Micron-My STEM Ambassador program aims to improve Science, Technology, Engineering, and Mathematics (STEM) skills and talent among undergraduates, reduce barriers for marginalized communities, and increase STEM awareness. The program focuses on STEM leadership, career readiness, women in STEM, individuals with disabilities, and STEM in the community.







BENGKEL KEM KEPIMPINAN PROGRAM MY STEM AMBASSADOR

25 - 27 November 2022 Dewan TOH PUAN Norashikin (Kompleks Darul Puteri), Universiti Malaya, and Pusat Sains Negara (PSN) Micron Foundation and UM STEM Centre



PARTICIPANTS



UNIVERSITIES













RESEARCH AND EDUCATION INSIGHT 2022

REdI 2022: Thriving Future-proof Workforce 27 November 2022

Gallery, Research Management & Innovation Complex, Universiti Malaya Malaysian Research and Education Foundation (MyREF), Universiti Malaya & Malaysia Board of Technologists (MBOT)

The Theme

Focused to address talent supply and demand gaps and emphasizing the needs of upskilled and reskilled workforce.

The Objectives

- 1. Insights on the latest industry and job market situation
- 2. Share the latest information on job market supply and demand from the industry
- 3. Bridge the future graduates and working professionals with the relevant industries
 - 4. Share the tips and tricks to excel in interview sessions





UM-ILO STEM TVET Train of Trainers Workshop

29 November - 5 December 2022
The Centre for Instructor and Advanced Skill Training (CIAST), Shah Alam
UM-ILO-UK Partnership

A 5 day workshop for TVET trainers and program owners to learn on the integration of relevant STEM-related generic skills in the TVET curriculum. The workshop comprises of elements such as the explanation on the meaning of STEM generic skills, such as sense making, critical thinking and problem solving, learning approaches that can be applied during the integration of the selected skills, recommended methods starting from the module selection, STEM skill selection and to the tools that can be used. The workshop also covers concepts of innovative and design thinking, technology selection and exposure to industry based problem statements particularily for the development of hands-on projects for TVET students. At the end of the workshop, participants should be able to produce training materials that are inclusive of lesson plans, assessment methods, hands-on activities or project design and worksheets for integrating STEM into their curriculum.











2022 Samsung Solve for Tomorrow: Be a Changemaker

10 August - (Final) 3 December 2022

Grand Finale at The Cube, Faculty of Engineering, Universiti Malaya Samsung Malaysia Electronics in collaboration with Universiti Malaya

Let's be a CHANGEMAKER! This competition is open to students in Form 1 & 2. They need is to describe an issue and provide STEM solutions across three main themes - Education & Learning, Sustainability & Environment and Health & Well-being to make that first step to being the changemaker this country needs. Being a CHANGEMAKER takes a lot of initiative, creativity and forward thinking and who better to do so than the youths of TODAY! Congratulations

Grand Prize DZALIS SMART INO

SMK DATO' RAZALI ISMAIL, **TERENGGANU**







1st Runner-Up TROPBOTZ

SMK TROPICANA, SELANGOR



2nd Runner-Up **NewGen Leaders**

SMK SERI BINTANG UTARA, KUALA LUMPUR



Consolation prize **FISHBALLZ**

SMK TAMAN DESA, KUALA LUMPUR



Consolation prize THE GREEN SCIENTISTS

SMK (L) METHODIST SENTUL, KUALA LUMPUR

Pameran STEM melalui aktiviti ilmu falak komuniti dan pencerapan matahari

dengan kerjasama Pusat STEM UM

3 Disember 2022 Sekolah Islam Darul Ehsan, Subang Jaya, Selangor Jabatan Fiqh & Usul dan Jabatan Fizik, Universiti Malaya











STEM NO MINISTER X STEM DISCOVERY CAMP

12 - 16 December 2022 (Fun Learning STEM Activities for kids during school holiday)

The program has a set of clear objectives, which is to introduce children between the ages of 5 to 15 years old to Science, Technology, Engineering, and Mathematics (STEM) in an enjoyable and interactive way. The program offers a range of modules that are related to STEM aspects, including but not limited to Augmented Reality, Virtual Reality, Rukun Negara, Microorganisms, Astronomy, and microscopy training. Through these modules, children can learn about the exciting world of STEM while having fun and engaging in hands-on learning activities.











The National Technical Profession Day 2022 (HPTN)

20 – 21 December 2022 Tan Sri Mahfoz Khalid Hall, Kuala Lumpur

The National Technical Profession Day (HPTN) is an annual celebration organized by the Ministry of Works in collaboration with Universiti Malaya STEM Centre. The event aims to provide a platform to appreciate the services of technical professionals for their significant contribution to the progress of the country's infrastructure and modernization. The celebration covers various technical fields, including engineering, astronomy, science, technology, construction, architecture, surveying, and many more. It is a great opportunity to recognize and honor the hard work and dedication of technical professionals in Malaysia.













MORE EVENTS





Through strong collaboration between







and full support by the Impact Oriented Interdisciplinary Research Grant (IIRG) Programme Cycle 1/2019 presents you

Al Robot @ UM Varsity Lake Towards Environmental Sustainability



Due to COVID SOP, do register so we can attend you better. Go to shorturl.at/bijE6 or scan the QR code:



Contact: zati@um.edu.my

SCAN ME



HIR BUILDING

CONTACT: 010-3837029 (LAU ZE YUN)

HOW TO REGISTER?

SCAN THE QR CODE

: AZAH.HAMZAID@UM.EDU.MY

REGISTRATION IS FREE OF CHARGE!!!!!

0

TIME: 2.00-4.30PM





MORE EVENTS







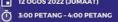
PELANCARAN PERTANDINGAN STEM PERTANIAN





Fakulti Perladangan Dan Agroteknologi, UiTM





GOOGLE MEET HTTPS://MEET.GOOGLE.COM/PQB-WBSF-YQH











MAJLIS PENYAMPAIAN HADIAH DAN WEBINAR STEM PERTANIAN:

MEMACU EKONOMI NEGARA





13 OKTOBER 2022 (KHAMIS)

3:00 PETANG - 4:00 PETANG (WEBINAR)

ITTPS://MEET.GOOGLE.COM/UUI-WGAI-NVG





4:00 PETANG - 4:30 PETANG (MAJLIS PENYAMPAIAN HADIAH)

NATIONAL STEM STEM ASSOCIATION





3.00 - 5.00 PM OCT 2022











Imbas Kod OR

Imbas Kod QR **Untuk Link Google Meet**

facebook LIVE National STEM Association

FSKTM | UM

SOFTWARE ENGINEERING INNOVATION DAY



Friday 23rd Dec, 2022



Block B.



9:00 AM-12:00 PM

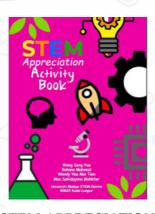




Publications



STEM ACTIVITY BOOK & Kit



STEM APPRECIATION ACTIVITY BOOK



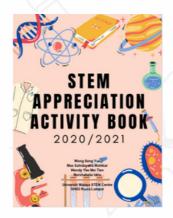
BEST PRACTICES IN STEM MENTOR MENTEE



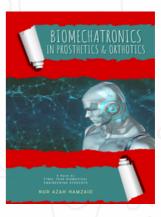
BERMAIN DENGAN STEM



Belajar Rukun Negara melalui STEM



STEM APPRECIATION ACTIVITY BOOK 2020/2021



Biomechatronics in prosthetics & Orthotics

Office

Contact us:

Ir. Dr. Mas Sahidayana Mohktar (Head) Norshahzila Idris (Research Officer) Nursyahirah Ahamd Shukri (Project Officer) UM STEM Centre Office

Ground Floor

High Impact Research (HIR) Building Universiti Malaya, 50603 Kuala Lumpur Tel: +603- 7967 3490

MICROSOFT- UM STEM Learning Space



More info, kindly contact us at 03-7967 3490 or stem@um.edu.my

In affiliation:



Social Advancement & Happiness Research Cluster Universiti Malaya



stem.um.edu.my



stem@um.edu.my



UM STEM Centre



umstem_centre



UM STEM Centre