

UM
STEM
SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS

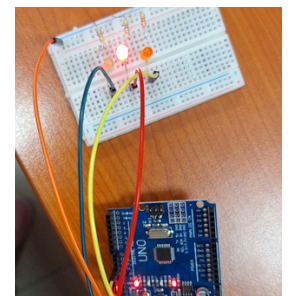
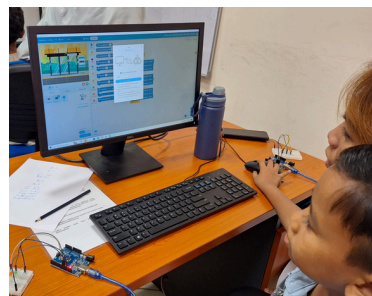
UM STEM ACTIVITIES

STEM Discovery @ PASUM 2024

27 – 31 May 2024

Library, PASUM

During the school holiday, UM STEM Centre and PASUM collaborated to organize the STEM Discovery Program at the PASUM Library. The program was open to students between the ages of 5 and 12. Its objectives are to promote Science, Technology, Engineering, and Mathematics (STEM) to students in an enjoyable and interactive way. The program offered activities related to various STEM aspects, including chemistry, biology, environmental protection, engineering, building, and technology. Through these modules, children could learn about the exciting world of STEM while having fun and engaging in hands-on learning activities.



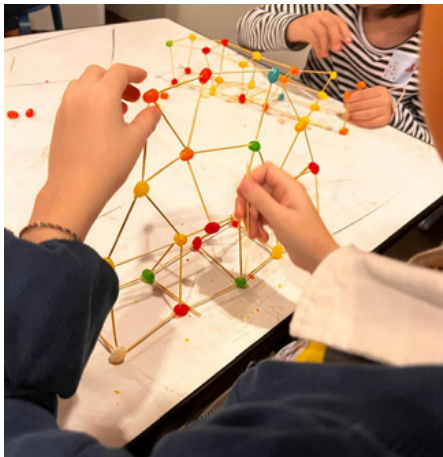
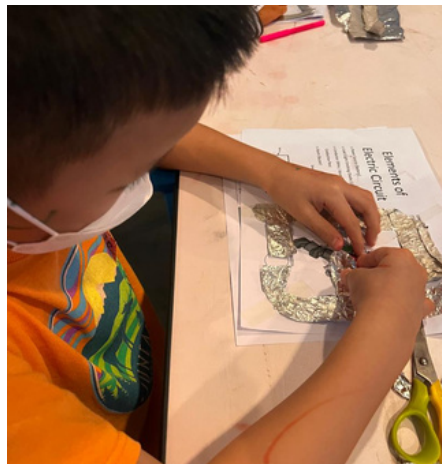


LGTML @ Museum & Art Gallery (MAG) Bank Negara Malaysia

31 May 2024

Museum Art Gallery, Kuala Lumpur

The Museum Art Gallery at Bank Negara Malaysia has invited the Let's Go to Mummies Lab team to organize a School Holiday with a STEM event on May 31, 2024. The event aims to facilitate STEM activities for children aged 6-12. Three modules are involved; Jelly Bean Tower, Electric Circuit, and Volcano Experiment. The objective is to provide an interactive, hands-on STEM education and enable children to interact with their peers.



The Youth Tech Asia Challenge (YTAC) 2024

18-20 February 2024

Research Management and Innovation Complex (RMIC), Universiti Malaya

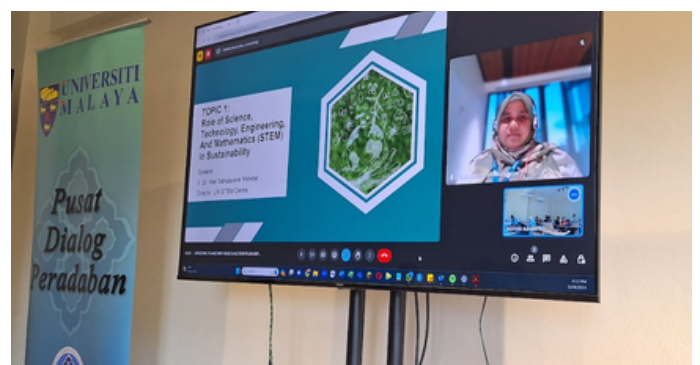
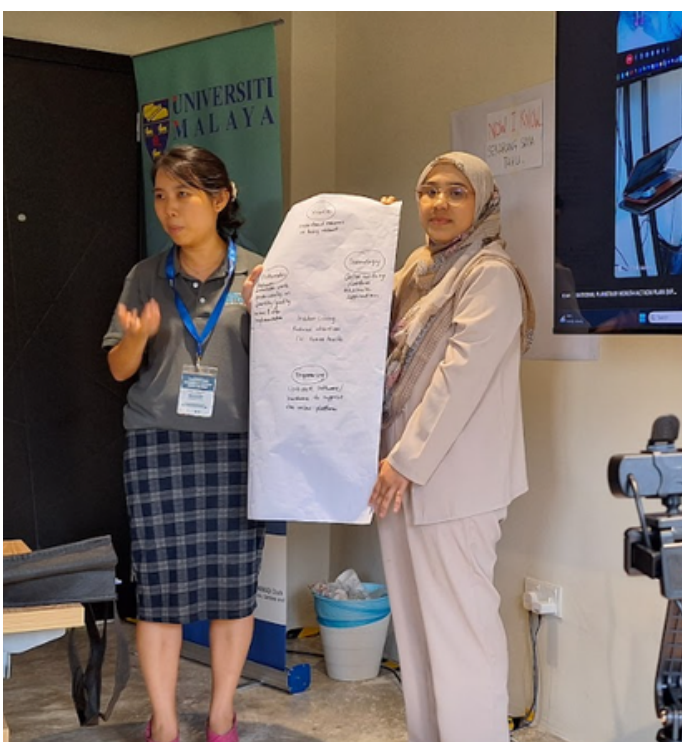
The Youth Tech Asia Challenge (YTAC) 2024, organized by EduWel Sdn. Bhd. in collaboration with UM STEM Centre, Krya Indonesia and supported by the Ministry of Education (MoE), took place on 18-20 February 2024 at the Research Management and Innovation Complex (RMIC), Universiti Malaya. The competition was open to school students aged 7-18 years and aimed to provide a platform for students from Malaysia, Thailand, and Indonesia to showcase their skills and talents in robotics and programming. The objective of the program was to encourage innovation, creativity, and problem-solving among participating students while promoting cultural exchange between countries. Additionally, workshops on climate action and drone fundamentals were conducted on 18th February by UM experts.



NATIONAL PLANETARY HEALTH ACTION PLAN (NPHAP) TRANSFORMATIONAL SUSTAINABILITY LEADERSHIP MODULE

28-29 February & 1 March 2024
MAHSA Avenue

This course aims to help participants develop their knowledge, skills, and motivation to address planetary health in their daily lives, communities, and on a national level. The sessions are designed to raise awareness about the impact of human-driven changes on the planet and to provide a comprehensive understanding of the concept of planetary health and its relevance to our personal, small-scale, and large-scale existence. Teaching and learning activities will include experiential and interactive methods such as lectures, hands-on activities, and group discussions. The course comprises a total of 7 chapters, with one chapter dedicated to STEM Project Innovation.



STEM, AI & ROBOTICS & AI social impact activities for Kita-Untuk-Kita (K2K) programme. Program Perumahan Rakyat (PPR)

Date: 4-7 MAC 2024

Venue: PA Seri Kota and PPR Taman Mulia

Universiti Malaya supports the K2K Programme's community empowerment objective, which aims to provide youths in public housing with opportunities to reach their full potential. This initiative encourages the exploration of Science, Technology, Engineering, and Mathematics (STEM), Artificial Intelligence (AI), and Robotics. The public housing projects involved in this program are PA Seri Kota and PPR Taman Mulia.

****Disclaimer:**** The organiser intends to blur children's faces for child protection reasons.



STEM, AI & ROBOTICS & AI social impact activities for Kita-Untuk-Kita (K2K) programme.

Program Perumahan Rakyat (PPR)

Date: 28/4/24, 27/5/24 - 1/6/24

Venue: PA Seri Kota and PPR Taman Mulia

Disclaimer: The organiser intends to blur children's faces for child protection reasons.



MYREF SCHOLAR INCUBATOR PROGRAM 2024

23 and 27 March 2024, 20 June 2024 (Closing)

SMK PUCHONG JAYA (A)

MyREF in collaboration with UM STEM Centre

MyREF SCHOLAR INCUBATOR PROGRAM (MyREF SIP) at SMK Bandar Puchong Jaya (A) is a pilot project launched to provide structured coaching, monitoring, and class preparation for students preparing for the SPM exam. This program aims to encourage holistic student development, improve academic excellence, and monitor student progress and adaptation. Its target is to help Form 4 students who are about to enter Form 5 the following year.



MYREF SIP - SMK PUCHONG JAYA (A) VISIT

4 June 2024
Universiti Malaya

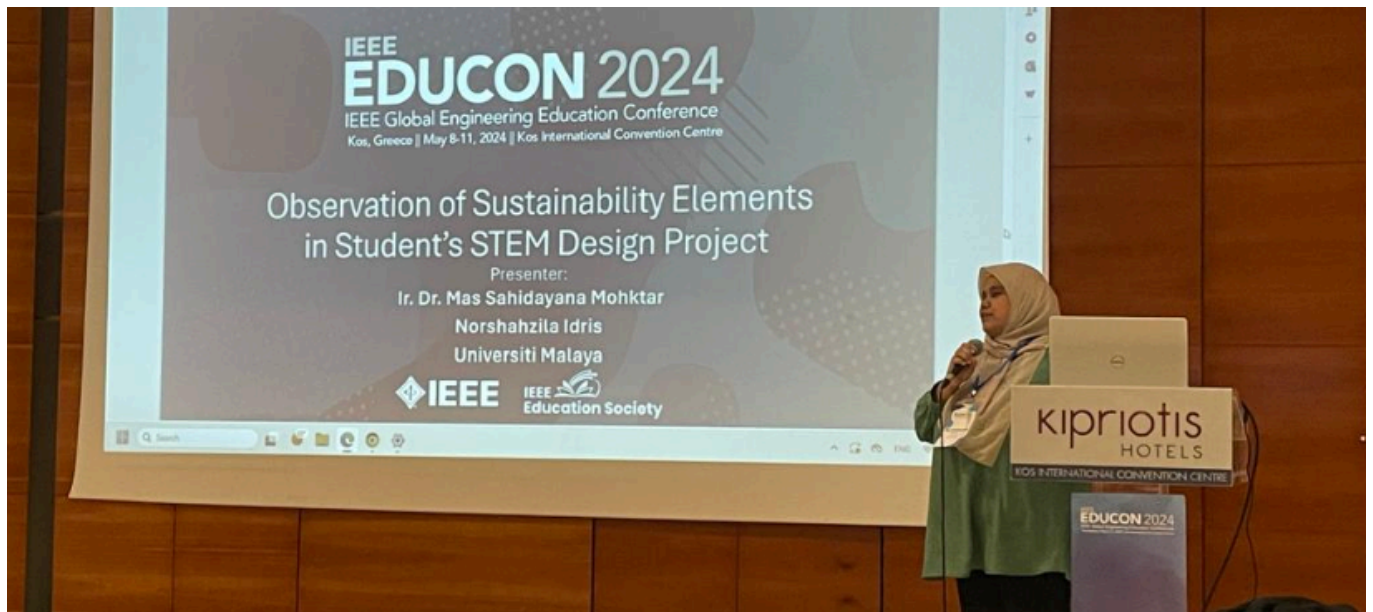


IEEE GLOBAL ENGINEERING EDUCATION CONFERENCE 2024

8 - 11 May 2024

Kos International Convention Centre Kos, Greece

The EDUCON 2024 conference was held from 8th to 11th May 2024, gathering over 400 participants from 57 countries across 5 continents. The focus of the conference was to provide an enriching educational and informative experience for all participants, aiming to deliver high-quality technical content with contributions from engineering education leaders worldwide. During the conference, Ir. Dr. Mas Sahidayana presented a paper titled "Observation of Sustainability Elements in Students' STEM Design Projects."



JAMBOREE STEM KELANTAN

26 June 2024

Dewan Dato Mustapha SMK Sultan Ismail
Kota Bharu, Kelantan

SMK Sultan Ismail, Kota Bharu, has invited the UM STEM Centre to conduct STEM activities with teachers and showcase STEM products during the Jamboree STEM.



MOTION CRAFT SPECTRA (A SHOWCASE OF UNDERGRADUATE WORK IN THE AREA OF MOTOR BEHAVIOUR)

5 January 2024

Faculty of Sports and Exercise Science

STEM Rep.: Dr. Jadeera Cheong Phaik Geok Binti Abdullah

The event showcased undergraduate work in the field of Motor Behavior, which is one of the specializations within the Sports Science umbrella. Specifically, the projects from three courses—namely, VIB3202 Skill Acquisition in Sports, VIB2104 Motor Control and Performance, and VIB1104 Growth and Development—were displayed. The event, named Motion Craft Spectra, was organized by third-year Exercise Science students under the guidance of senior lecturer Dr. Jadeera Cheong. It provided the students with the opportunity to present their learnings in a creative and engaging manner. The students were able to demonstrate the skills and knowledge they had acquired throughout their studies through various interactive exhibits, presentations, and movement performances. The students were particularly enthusiastic about sharing their diverse interpretations of motor behavior and the learning process.



MORE EVENTS

GEOSCIENCE INDUSTRIAL WEEK

29-30 MAY 2024
GEOLOGY DEPARTMENT, FACULTY OF SCIENCE



UREKAFEST 2024

12 JANUARY 2024
LIBRARY, PUSAT ASASI SAINS (PASUM),
UNIVERSITI MALAYA



STEM PROGRAMME

7-12 YEARS
13-15 YEARS
16-17 YEARS

Sign Up For May Class NOW!

UNIVERSITI MALAYA

STEM Programme

Fun Activities such as DIY Lung, Math Maze, Robotics Straw Hand, Balloon Car, Cup Shooter and more!

7 - 12 years

SCAN ME

WHY US ?

- ✓ Experience Universiti Malaya (UM) Environment at Young Age
- ✓ Special Coaching on Math & Science
- ✓ Venue at UM STEM Centre
- ✓ Certificate Awarded Session

2024 Intake

UM INNOVATIONS A WHOLLY OWNED UM SUBSIDIARY

Sign Up For May Class NOW!

UNIVERSITI MALAYA

STEM Programme

Fun Activities such as Popsicle Tower, Rubber Band Car, DIY Torchlight, Geometrical Shapes, Corn Flour Wonders and more!

13 - 15 years

SCAN ME

WHY US ?

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- ✓ Venue at UM STEM Centre
- ✓ Certificate Awarded Session

2024 Intake

UM INNOVATIONS A WHOLLY OWNED UM SUBSIDIARY

Sign Up For Jun Class NOW!

UNIVERSITI MALAYA

STEM Programme

Fun Activities such as Lemon Batteries, Brain Boosting, Cup Stack Challenge, Magic of Milk.

16 - 17 years

SCAN ME

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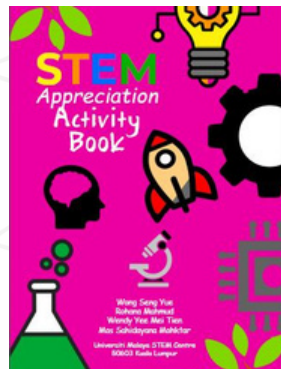
2024 Intake

UM INNOVATIONS A WHOLLY OWNED UM SUBSIDIARY

Publications



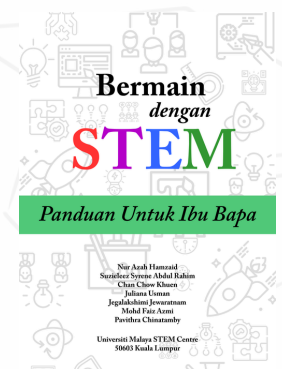
STEM ACTIVITY BOOK & Kit



STEM APPRECIATION ACTIVITY BOOK



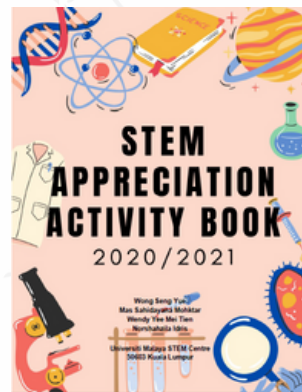
BEST PRACTICES IN STEM MENTOR MENTEE



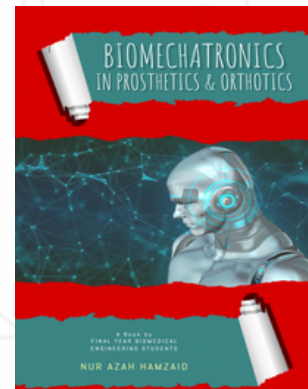
BERMAIN DENGAN STEM



Belajar Rukun Negara melalui STEM



STEM APPRECIATION ACTIVITY BOOK 2020/2021



Biomechanics in prosthetics & Orthotics

Office

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MICROSOFT- UM STEM Learning Space



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Research Cluster
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UM STEM Centre



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