

### VIRTUAL CONVENTION OF

### MY STEM AMBASSADOR

30th November 2020 until 28th February 2021

Organised by: UM STEM Centre, UM in collaboration with UTM and UMS Supported by: Holistic Student Division, Higher Education Department, MoHE

An online ceremony for Virtual Convention of My STEM Ambassador was held on 9th December 2021 to provide a platform for university students to organise STEM event. This event was officiated by Prof. Dr. Mohd Cairul Iqbal Mohd Amin, Deputy Director General of Higher Education (Research & International), Department of Higher Education. In this virtual convention, we had webinars, dialogues, workshops, competitions, forums, and Virtual Science Fair.

889
UNIVERSITY STUDENTS
PARTICIPANTS
325
SCHOOL STUDENTS

In this convention, students are given the chance to take the lead on this program. Hence, they are able to use the opportunity to develop their soft skills, such as creativity, communication, critical thinking, problem-solving, leadership, and teamwork. It is also crucial to have the students' emotional and spiritual aspects balanced with the other elements of an individual's well-being. This program will help university to produce excellent quality students and graduates as they gain extensive knowledge and well-rounded experience in the co-curriculum.

Participants will gain extensive knowledge and insight into STEM education from different parts of the STEM field, such as in the fields of government, industry, academia, and NGOs. There is, indeed, plenty to reflect upon the ideas, information, interpretations, and visions.





# VIRTUAL CONVENTION OF MY STEM AMBASSADOR PROGRAM













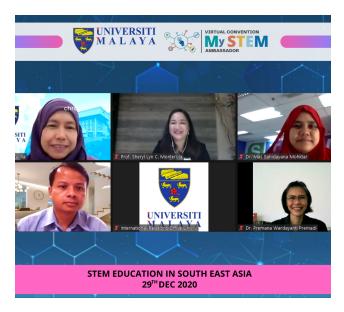
# VIRTUAL CONVENTION OF MY STEM AMBASSADOR PROGRAM

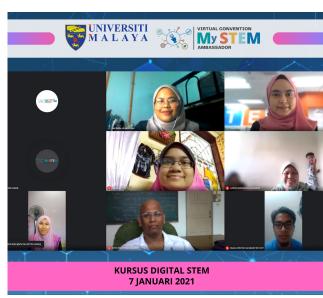












## VIRTUAL CONVENTION OF MY STEM AMBASSADOR PROGRAM





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### VIRTUAL SCIENCE FAIR

22nd February until 18th April 2021
Organised by: UM STEM Centre
In conjunction with Virtual Convention My STEM Ambassador

### Opening ceremony of VSF merged with closing ceremony of VCMSA



Virtual Science Fair 2021 (VSF) involves various levels of society including students from the Faculty of Science of Universiti Malaya, the management team, and the local community of various age groups.



The event collectively intended to bring a fresher perspective of Science for current students (from various levels; secondary, pre-university and undergraduates) and future graduates in preparing themselves for industrial needs. By having series of events under one fair, all skillsets especially pertaining to Science is brought to the maximum potential and enculturing Science awareness amongst the community.

### **Career Fair VSF X VCMSA**





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# Mini Theater STEM Competition \*\*STEM\*\* Selangor 2020

### July until December 2020 17th March 2021 (Closing ceremony)

### Organised by: National STEM Association (NSA) dan UM STEM Centre in collaboration with The Selangor State Government

Mini Theater STEM Competition Selangor 2020 was held since 2019 as a first step in identifying and unearthing STEM talents and skills among the secondary school students. This competition focuses on individual identified skills such as cooking, repairing electrical or electronic equipment and agricultural like gardening which very much in line with core of STEM Education. Target group for this competition is secondary school students from B40 community.

Main objective of this program is to ensure that they can be guided to become high quality prosumers, innovators, entrepreneurs, and researchers who can generate income to help support their family members. The Closing Ceremony and Announcement of the Winners of Mini Theater STEM Competition 2020 was held on 17th March 2021 via online platform. The closing ceremony was officiated by YAB Dato' Seri Amirudin Shari, Chief Minister of Selangor.





1st Stage

#### 1. SMK PUCHONG UTAMA 1

Ergonomic H20 Saver Tap

#### 2. SMK BANTING

Edible Water Molecular Gastronomy Project

#### 3. SMK SERI SERDANG

Anteena (Bacteria's worst nightmare)

#### 4. SMK SERI GARING TEAM B

COV-SSC1 (COVID-19 Smart Swab Chair 1)

### 5. SMK KHIR JOHARI

FOOD WASTE MANAGEMENT: "WANT NOT WASTE NOT"



SECONDARY SCHOOLS

### 2nd Stage

#### 1. SMK IDEAL HEIGHTS

Flexygon: biodegrade spoon and eco-friendly

#### 2. SMK SERI GARING

Terma jam (watermelon and dates)

#### 3. SMK RAWANG

KREPSTER (from jackfruit)









# 2020 Samsung Solve for Tomorrow - FIXIT

9th October - 17th Dec 2020
Organised by: Samsung Malaysia Electronics in collaboration with
Universiti Malaya

KELAB SAHABAT UM

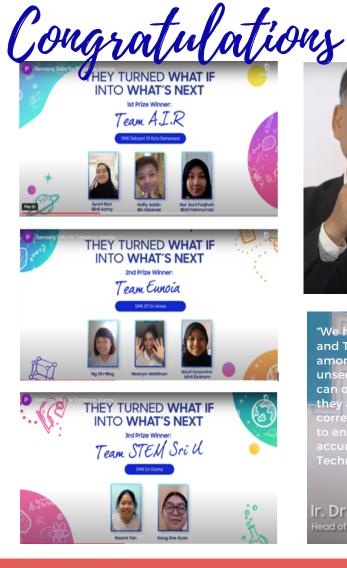


**45** 

#### **Objective:**

The competition aimed at stimulating curiosity and cultivating interest in Science, Technology, Engineering and Mathematics (STEM) education, while inspiring students to help improve and fix issues faced by local communities through STEM's innovative solutions.

Please visit this website for more info: <a href="https://www.samsung.com/my/solvefortom-orrow/">https://www.samsung.com/my/solvefortom-orrow/</a>







### STEM Programs

Science at Your Doorstep 28th March 2021

Platform: MS Teams

Organised by: UMCares in collaboration

with UM STEM Centre





Seminar Sensor Gas dan Aplikasinya dalam Kehidupan - SMK (Perempuan) Sri Aman 24th March 2021 STEM Coordinator: Dr. Suriani Ibrahim, Department of Mechanical Engineering, Faculty of Engineering

Teacher Academic staff meet-up. 3rd February 2021. SMK Seri Pantai STEM Coordinator: Dr. Thamil Selvi A/P Velayutham Organised by: Department of Physics, Faculty of Science

Cabaran Statistik/Matematik Peringkat Kebangsaan 2020 Kali Pertama (ISMchallenge-I 2020) 7th Dec 2020 - 15th Jan 2021

STEM Coordinator: Assoc. Prof. Dr Zailan Bin Sir

Organised by: Institute of Mathematical Sciences, Faculty of Science & Institute of Statistics Malaysia (ISMy)

JOIN US!

### More events!

Centre for Innovative Construction Technology (CICT) Innovation Day 2021.

29th May 2021. Online

Organised by: CICT and Faculty of Engineering, UM

Supported by: UMCares and UM STEM Centre

2021 Solve for Tomorrow. May - November 2021. Online

Organised by: Samsung in collaboration with UM STEM Centre Sponsored by: Samsung Electronics Malaysia (SME) Sdn. Bhd.



**JOIN US!** 

### More events!

MARCH - NOVEMBER 2021

### BIEA 2021 INTERNATIONAL STEM YOUTH INNOVATION COMPETITION

(RE)PACK TO RESTORE OUR WORLD PLATFORM: ONLINE OPEN FOR ALL STUDENTS AGED 9 - 21 SUPPORTED BY MINISTRY OF EDUCATION https://bieacompetition.org.uk/2021-competition/





### **VIRTUAL SCIENCE FAIR 2021**

PLEASE VISIT: FB UM VIRTUAL SCIENCE FAIR 2021



**JANUARY - DECEMBER 2021** 

### PROGRAM MINI TEATER STEM SELANGOR & KELANTAN

ORGANISED BY: NATIONAL STEM
ASSOCIATION & UM STEM CENTRE IN
COLLABORATION WITH STATE GOVERNMENT
(SELANGOR & KELANTAN)
TARGET: SECONDARY STUDENTS



25TH MAY 2021

### 3RD INTERNATIONAL STEM SEMINAR 2021 (ISS 2021)

ORGANISED BY:CENTRE FOR FOUNDATION STUDIES IN SCIENCE UNIVERSITI MALAYA, IN COLLABORATION WITH UM STEM CENTRE AND NATIONAL STEM ASSOCIATION (NSA) VISIT: https://umevent.um.edu.my/iss2021



### **PUBLICATIONS**





Sale valid until 31th Dec 2021



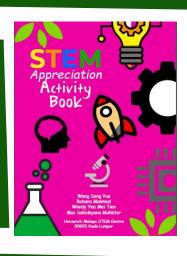
### STEM ACTIVITY BOOK

Book only (9 modules): RM 45 (NP: RM 50) STEM kit only (6 modules): RM 90 (NP: RM 100) Package- Book & Kit: RM 125.90 (NP: RM 139.90) \*All prices are exclude postage

### STEM APPRECIATION ACTIVITY BOOK

Price (10 modules): RM 45 (NP: RM 50) \*Exclude postage

This book is the output from the GIX1004 STEM Appreciation subject offered by CITrA Universiti Malaya.



# Best Practices in STEM Mentor Mentee

### BEST PRACTICES IN STEM MENTOR MENTEE

Price: RM 45 (NP: RM 50) \*Exclude postage

Compilation of research paper presented at The 1st National STEM Seminar 2018.

### BERMAIN DENGAN STEM

Price: RM 27 (NP: RM 30)
\*Exclude postage
Panduan untuk Ibu Bapa berkaitan
STEM



### **UM STEM Centre members**

### Ir. Dr. Mas Sahidayana Mohktar

Head, UM STEM Centre

Prof. Dato' Dr. Noraini Idris

Prof. Dato' Dr. Mohd Jamil Maah

Honorary Professor & Advisor

Honorary Professor & Advisor

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# MICROSOFT- UM STEM Learning Space Microsoft- University of Making Stem Learning Space STEM Learning Space

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