# E-NEWSLETTER



## SCHOOL OF CIVIL ENGINEERING

















#### **EDITORIAL BOARD**

#### **CORPORATE COMMUNICATIONS MEMBERS:**



PROF. TS. DR. CHE KHAIRIL IZAM CHE IBRAHIM Head of School/Advisor



IR. TS. DR. JALINA KASSIM



TS. DR. ADNAN DERAHMAN



TS. DR. YAZMIN SAHOL HAMID



DR. NURUL AINAIN MOHD SALIM



TS. DR. IRMA NOORAZURAH MOHAMAD **Head of Corporate Communications** 



DR. MAZLINA ZAIRA MOHAMMAD



TS. NURSAFARINA AHMAD



**AMIRUDDIN MISHAD** 



TS. DR. NUR ILYA FARHANA MD NOH

#### **HIGHLIGHTS**

- School Facts & Statistics
- Staff Achievements
- Student Achievements
- SCE Visibility
- SULAM/Corporate Social Responsibility Events



# TOP MANAGEMENT\_COLLEGE OF ENGINEERING



PROF. DR. HAMIDAH MOHD SAMAN **Assistant Vice Chancellor** 



PROF. IR. DR. HJ. **MUHAMMAD AZMI AYUB** Dean of Academic & International



PROF. TS. DR. AZLINA IDRIS **Dean of Student Affairs** 



PROF. DR. ZAKIAH AHMAD Dean of Research & Innovation



PROF. DR. AYUB MD SOM Dean of Industrial, Community & Alumni Network

# TOP MANAGEMENT\_SCHOOL OF CIVIL ENGINEERING



TS. DR. MOHD RAIZAMZAMANI MD ZAIN **Coordinator of Division** Structural & Material (STrucM)



TS. DR. MOHD. AMIZAN MOHAMED @ ARIFIN **Coordinator of Division Construction Business** & Project Management (CBPM)



**Head of School** 

ASSOC. PROF. DR. **NORASHIKIN AHMAD KAMAL** Coordinator of Division Water Resources & **Environmental System** (WRES)



PROF. TS. DR. CHE KHAIRIL IZAM CHE IBRAHIM

DR. NOOR AZREENA KAMALUDDIN **Coordinator of Division** Geotechnical & **Transportation Engineering** (GeoTrEN)

#### **OUR PROGRAMS**



#### **UNDERGRADUATES PROGRAMS:**

- DIPLOMA IN CIVIL ENGINEERING (CEEC110)
- BACHELOR OF ENGINEERING (HONS.) CIVIL (CEEC220)
- BACHELOR OF ENGINEERING (HONS.) CIVIL (INFRASTRUCTURE) (CEEC 221)
- BACHELOR OF CIVIL ENGINEERING WITH HONORS (CEEC222)

#### **POSTGRADUATES PROGRAMS:**

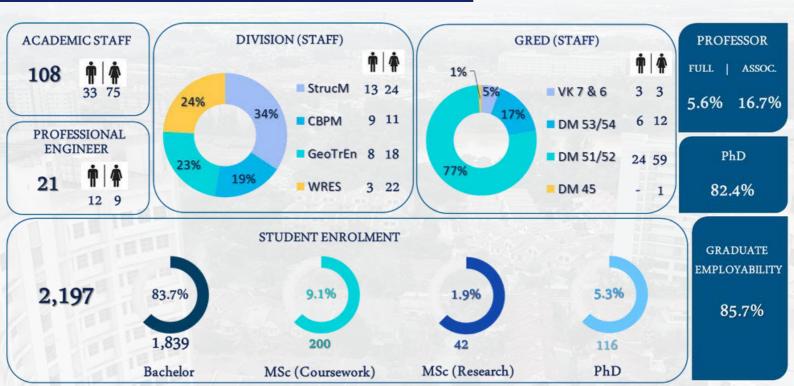
#### COURSEWORK:

- MASTER OF SCIENCE IN STRUCTURAL ENGINEERING (CEEC701)
- MASTER OF SCIENCE IN GEOTECHNICAL ENGINEERING (CEEC702)
- MASTER OF SCIENCE IN WATER RESOURCES ENGINEERING (CEEC703)
- MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING (CEEC704)
- MASTER OF SCIENCE IN CONSTRUCTION ENGINEERING (CEEC705)
- MASTER OF SCIENCE IN HIGHWAY ENGINEERING (CEEC706)

#### RESEARCH:

- MASTER OF SCIENCE IN CIVIL ENGINEERING (CEEC750)
- DOCTOR OF PHILOSOPHY IN CIVIL ENGINEERING (CEEC950)

## SCHOOL FACT (UP TO DEC 2022)



#### **NEW STAFF, PROMOTIONS, PROFESSIONAL QUALIFICATION & AWARD 2022**

#### **NEW ACADEMIC STAFFS:**

- DR. NURIZATY ZUHAN (StrucM)
- DR. NAZIRAH MOHD APANDI (CBPM)
- DR. NURUL NORAZIEMAH MOHD PAUZI (CBPM)

#### **PROMOTIONS:**

- PROF. DR. HAMIDAH MOHD SAMAN (PROFESSOR VK6)
- PROF. TS. DR. CHE KHAIRIL IZAM CHE IBRAHIM (PROFESSOR VK7)
- PROF. TS. DR. HJ. MOHD FADZIL ARSHAD (PROFESSOR VK7)
- ASSOC. PROF. IR. TS. DR. RENGA RAO A/L KRISHNAMOORTHY (ASSOC. PROF. DM54)
- ASSOC. PROF. TS. DR. NUR KAMALIAH MUSTAFFA (ASSOC. PROF. DM54)

#### PROFESSIONAL QUALIFICATIONS:

#### ASEAN CHARTERED PROFESSIONAL ENGINEER (ACPE)

- ASSOC. PROF. IR. DR. HAJAH CHE MAZNAH MAT ISA
- IR. TS. DR. OH CHAI LIAN
- IR. ASSRUL REEDZA ZULKIFLEE

#### PROFESSIONAL ENGINEER (IR.)

• IR. TS. DR. MOHD KHAIRUL KAMARUDIN

#### PROFESSIONAL TECHNOLOGIST (TS.)

- TS. DR. AZIANABIHA A.HALIP @ KHALID
- TS. DR. SITI HAMIDAH ABDULL RAHMAN
- TS. DR. NURUL RABITAH DAUD
- TS. DR.-ING. ILYANI AKMAR ABU BAKAR

#### **DOCTOR OF PHILOSOPHY AWARDS:**

- IR. TS. DR. JALINA KASSIM
- DR. FAUZI BAHARUDIN
- IR. DR. SULAIMAN HASIM
- TS. DR. IRMA NOORAZURAH MOHAMAD

#### **NETWORKING**



#### **INTERNATIONAL UNIVERSITY COLLABORATIONS:**

- Abu Dhabi University, UAE
- · Narotama University Surabaya, Indonesia
- Vel Tech Rangarajan Dr. Sagunthalan R&D Institute Of Science And Technology, India
- Daffodil International University, Bangladesh
- Vocational College Of Railway Hunan Technology, China
- KMEA Engineering College, India
- The University Of Manchester, United Kingdom
- · Akenten Appiah-menka University Of Skills Training And Entrepreneurial Development, Kumasi, Ghana
- · North South University, Bangladesh
- Universitas Jember, Indonesia
- Universitat Stuttgart, Germany
- De La Salle University, Philippines
- · University Of The Philippines
- Nagaoka University Of Technology, Japan
- University Of Cincinnati, USA

#### **INTERNATIONAL INDUSTRY COLLABORATIONS:**

- · Henkel (Malaysia) Sdn Bhd
- · The Ocean Cleanup, Netherlands
- Bahay Foundation Incorporated, **Philippines**

ACTIVE MoU/MOA

**NATIONAL** :14 INTERNATIONAL :18

#### LOCAL INDUSTRY COLLABORATIONS:

- Malaysian Institute Of Road Safety Research (MIROS)
- · Micro Concept Sdn Bhd
- Sarawak Timber Industry Development Corporation (PUSAKA)
- Solid Waste & Public Cleansing Management Corporation (SWCorp)
- Institut Penyelidikan Hidraulik Malaysia (NAHRIM)
- Lembaga Perindustrian Kayu Malaysia (MTIB)
- Majlis Bandaraya Ipoh
- Malaysia Timber Council (MTC), Malaysian Council (MFC), Malaysian Furniture Wood Industries Association (MWIA), The Timber Exporters' Association Of Malaysia (TEAM), The Malaysian Panel **Products** Manufacturers' Association (MPMA), Malaysian Wood Moulding Joinery Council (MWMJC), Persatuan Pengusaha-pengusaha Kayu-kayan Perabot Bumiputera Malaysia (PEKA)
- Ex Energy Sdn Bhd
- Sapulut Forest Development Sdn Bhd
- Nextgreen Pulp And Paper Sdn Bhd (NGPP)
- Usahasama Pakar Cerun Sdn Bhd
- Rivo Builder (M) Sdn Bhd
- Kreatif Apps Sdn Bhd

#### **RESEARCH**

# TOTAL RESEARCH GRANT 27.4%

82 Staffs as Principal Investigator

72.6%

#### INTERNATIONAL **GRANTS:**

クリタ水・環境科学振興財団 Kurita Water and Environment Foundation



#### **NATIONAL GRANTS:**







TANAHASIA CONSULTING **ENGINEERS SDN BHD** 







\*DATA AS OF NOVEMBER 2022

#### CONSULTANCY



**TOTAL AMOUNT** 









THIS CERTIFICATE IS PROUDLY PRESENTED TO

School of Civil Engineering. College of Engineering

as the top three in the Consultancy Annual Awards 2022 for the category of UiTM Active Faculty Award (Engineering & Technology Cluster) on 8th December 2022.



DATO' SRI DATUK WIRA DR. HJ. IRMOHIZAM HJ. IBRAHIM UiTM Technoventure Sdn. Bhd.





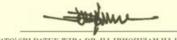




THIS CERTIFICATE IS PROUDLY PRESENTED TO

School of Civil Engineering, College of Engineering

as the top three in the Consultancy Annual Awards 2022 for the category of UiTM Talent Alliance Award (Engineering & Technology Cluster) on 8th December 2022.

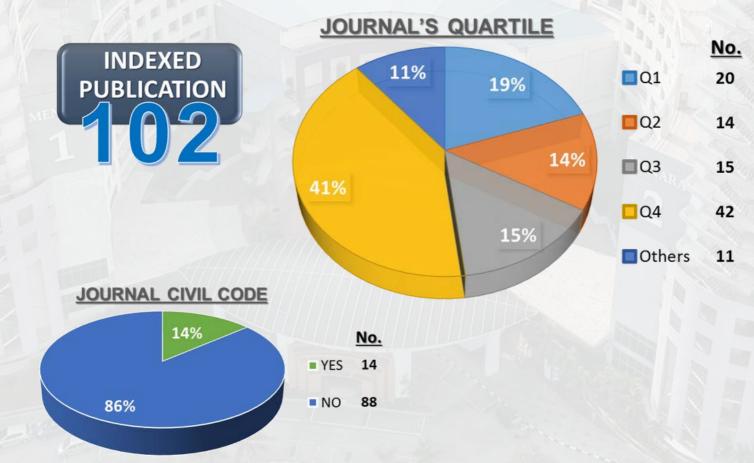


DATO' SRI DATUK WIRA DR. HJ. IRMOHIZAM HJ. IBRAHIM Chairman UiTM Technoventure Sdn. Bhd

### **PUBLICATIONS**

• DATA AS OF DECEMBER 2022







#### **STAFF ACHIEVEMENTS**



































#### **STAFF ACHIEVEMENTS**







































#### STUDENT ACHIEVEMENTS



CANADA-ASEAN SCHOLARSHIP & EDUCATIONAL EXCHANGE FOR DEVELOPMENT (SEED) 2021-2022



#### **FATIN NURHANANI MOHD SAYUTI**

School of Civil Engineering Value for recipient: \$10,200 | From: 1 January 2022 - 30 April 2022)



#### Undergraduate Students

SHALIN SELLEHUDDIN

School of Chemical Engineering
Value for recipient: \$15,900 | From: 1 September 2021 - 30 April 2022)



#### WAN SYAHMIR AMIRUDDIN WAN KHAIRUDDIN

Faculty of Education Value for recipient: \$10,200 | From: 1 September 2021 - 31 December 2021)





Ts. Dr. Nurul Fariha Lokman



#### **CERTIFICATE OF ACHIEVEMENT**

This certificate is proudly presented to

NURUL AIN SHAFIQAH ANUAR

BEST PRESENTER at the 5th International Conference on Civil and nvironmental Engineering 2022 (CENVIRON 2022) on 29 - 30th August 2022 organized by









Nurul Ain Shafiqah Anuar





UNIVERSITI TEKNOLOGI MARA

Congratulations

MUHAMMADADHAM

MOHDALIAS THE IEM GOLD MEDAL AWARD 2021

Engineering Student In Each Of The Local Institution Of Higher Learning

The Best Final Year





**Muhammad Adham Mohd Alias** 

Penerima Anugerah Graduan Terbaik U Teknologi MARA 2022 Bagi Kategori: nugerah Graduan Terbaik Peng (Peringkat Sarjana Muda) - PENGAJIAN KEJURUTERAAN AWAM nugerah Graduan Terbalk Pro

(Peringkat Sarjana Muda) - SARJANA MUDA KEJURUTERAAN (KEPUJIAN) AWAM

(khtas Daripada PNC & Seturuh Warga KPK





#### Penyelesaian banjir perlu berpaksi sistem pertahanan semula jadi



Nilai pembangunan dan ekonomi sesuatu projek seharusnya perlu mengambil kira kesan kemusnahan akibat

bencana banjir ini Penanaman semula pokok perlu lebih proaktif dan agresif, termasuk pokok hutan yang sudah ditebang, malah ia perlu dilaksanakan dalam skala lebih

besar serta meli





#### Terowong SMART 2.0 langkah tepat

bencana banjir di Shah Alam yang padat penduduk





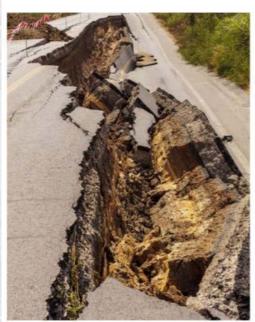
#### Imbangi pembangunan, kelestarian alam sekitar





**FOKUS** 

#### Meneroka Gelombang di dalam Bumi dan Aplikasinya dalam Penyiasatan Tanah



Gelombang sering kan unamanan dengan aktiviti pemindahan tenaga. Dalam kajian fizik, terdapat pelbagai jenis gelombang yang telah dikaji dan dicirikan Terdapat gelombang yang memerlukan bahan media untuk merambat, manakala sebahagiannya tidak memerlukan perantara

sebahagiannya tidak memeriukan perantara untuk aktiviti yang sama. Gelombang menghantar maklumat ataupun tenaga dari satu titik ke titik yang lain dalam bentuk isyarat. Frekuensi gelombang ini boleh diperoleh setelah mengambil kira faktor masa. Manusia amat bergantung pada gelombang, terutamanya bagi perhubungan komunikasi tanpa wayar. Sebagai comtohnya, sekiranya panggilan dibuat kepada seseorang yang berada dibuat kepada seseorang yang berada di daerah lain, komunikasi yang berlaku adalah melalui audio. Namun begitu, keseluruhan proses transmisi atau penghantaran isyarat daripada pemanggil kepada penerima berlaku dalam bentuk gelombang. Telefon menukarkan suara pemanggil kepada isyarat elektrik yang kemudiannya merambat, sama ada melalui wayar tembaga atau antena dalam komunikasi tanpa wayar

elalui media, sama ada ruang atau jisim. Gelombang lautan atau ombak, segala ang riautan atau ombok segara ng didengar sehari-hari, pergerakan haya, dan debunga tumbuhan yang ngan ditiup angin adalah antara ombang yang berbeza-beza.

#### Langkah 'hidup bersama banjir' strategi meminimumkan impak

 Banjir 'dibenarkan' di kawasan tertentu, tetapi tahap kesiapsiagaan dipertingkat seperti bina rumah tinggi dengan penggunaan bahagian bawah minimum Konsep kediaman terapung diperkenalkan seperti di Amerika Syarikat, Belanda yang gunakan rumah amfibia boleh bergerak ke atas hingga lima meter



dawnn lyasmyly 181L 08/2022

#### **NEWS ARTICLE**

#### **Bacterium Encapsulated In** Alginate As A Self-Healing Agent In Autonomous Healing Mortar







rack formation is a common durability-related phenomenon in many concrete structures. While larger cracks compromise structural integrity, smaller sub-millimeter cracks can cause durability issues due to increased matrix permeability caused by particularly connected cracks. Routine manual maintenance and repair of concrete structures can be expensive and, in some cases, unattainable.

of concrete structures can be expensive and, in some cases, unattainable.

Therefore, including an autonomous self-healing repair mechanism would be highly beneficial as it would be discovered by microbially induced calcie precipitation has sparked a lot of interest in sustainable concrete repair and maintenance solutions. The biologically implied material for self-healing concrete has been introduced with Geobacillus steerothermophilus were chapsulated in alginate Hydroge before it was added to mortar. Scanning Electron Microscopy (SEM) was used to examine the encapsulated strain and its characteristics to confirm the presence of encapsulated bacteria. The performance of AE-GS in most aritimate as a self-healing agent was measured by compressive strength and crack-healing efficiency. The healing efficiency is AE-GS was used to determine its suitability as a crack repair material. When companing it to those with a lower replacement level of AE-GS and a lower concentration of bacteria, the results showed that incorporating 15 % AE-GS was found to be capable of inducing self-healing by cultificial to be capable of inducing self-healing by utilising the available rutrients in its environment. The combination of Geobacillus steenothermophilus and alignate gel beads

#### Thermophilic Type Bacterium

Thermophilic Type Bacterium
Geobocillus steurothermophilis is a thermophilic type
bacterium capable of thiving in high temperatures (30°75°C) which can be found in the geothermally heated
region such as hot springs [11, [2]. In a hanch environment,
Geobocillus steurothermophilius produce endospores [3]
and its morphology and resistance properties allow it to
be mobilised in the atmosphere and transported over long
distances [4]. Furthermore, the longevity of Geobocillus
steurothermophilius allows it to lie dommant but viabile in
extreme conditions for long periods.
This study focused on 2 major issues:
The development of autonomous healing concrete
using Geobocillus steurothermophilius and
The suitablity of 48-C63 as a new smart material to be
investigated for use in concrete repair and maintenance.

Concept of Autonomous Healing Concept of Autonomous Healing
The continuous ingress of water and chemicals in
crack propagation would eventually cause premature
matrix degradation and corrosion of embedded steel
reinforcement if not properly treated [5]. In contrast,
adding the bacteria-based healing agent during the
mixing process would solve the problem. The bacteriabased healing agent would be activated by the crack and
water entering the concrete, resulting in abundant mineral
precipitation. This mineral precipitation aids in crack
closure and prevents further entry of harmful materials,
protecting the reinforcement from corrosion. This concept
of self-healing is illustrated in Figure 1.

#### Community Service Responsibility **Collaboration Projects At** Kg. Layang-Layang Kanan







he Women Engineers (WE) Section organised a community service responsibility (CSR) collaboration project at Kampung Layang Layang Kanan, Parit, Perak, on 15 January 2022. The village is located along Sungai Perak and is popular for its fish (ikan tilapia and patin) farming activities.

The half-day event was initiated by Universiti Teknologi PETRONAS (UTP) and supported by Universiti Teknologi PETRONAS (UTP) and supported by Universiti Teknologi PETRONAS (UTP) and supported by Universiti Teknologi MARA (UTM) Shah Alam, Nila University (NUI), Negeri Sembilan and Universiti Teknologi Malaysia (UTM) Kuala Lumpur. Taking part were 49 volunteers (7 WE members, 10 academics and 32 students) and 150 participants. The event was officiated by YBhg. Padlimen Parit, Dato' Mohd Nikar Hj. Zakaris.

The collaboration project showcased several activities targeted at the various age groups, from adults to primary/secondary schoolchildren and kindergarten' pre-school children. These included bokashi composting. Jom Kenali Jurutera, Moh Bancuh Konkritt. Sukaneka, Moh Maning Poy Library Box, Gurna Rir, Mentol Menyals. Sembang Keusahuwanan and a gulai patin tempoyak cooking competition.

Jom Kenali Jurutera was designed for secondary school students. In this motivational talk, WE members described scopes and careers in the various engineering disciplines. At the end of the session, students took part in a pop quiz activity.

WE also organised Moh Bancuh Konkritt which

UTP organised the bokashi composting project and presented 30 bokashi bins to selected villagers. In this project, villagers learnt more about bokashi composting techniques which would help them make a sustainable living through green technology. Bokashi composting is an anaerobic process where food waste is fermented in an airright container that isolates the waste from oxygen as such as oxygibile. The limit inconserval is a ware progressive. "bokashi tea" that can be used as fertiliser.



Volunteers from UTM and NU joined hands to conduct STEM activities such as Moh MaineToy Box and other games for 30 preschool and kindergatten children. The first activity was a toy library session where the children were given STEM toys to play with The next activity was colouring on sheets with images of the various careen that STEM offers. In the paper plane STEM challenge, the children were taught to make a paper airplane and then

#### **BERNAMA.com**

RENCANA

#### Pematuhan Peraturan Dan Pemanduan Defensif Boleh Elak Kemalangan, Kata Pakar



'Satu kematian akibat nahas jalan setiap 84 minit'



#### Perhalusi peraturan sebelum benarkan PMD



bhrencana@bh.com.my

Pasaran kenderaan mikromobiliti di Malaysia, terutama kategori Personal Mobility Devices (PMD) seperti e-scooter semakin meluas. Ia disokong permintana pengguna semakin rancak bagi tujuan rekreasi.

Ib har negara, penggunaan e-scooter dalam konsep pengangkotan busidar sudah tidan mobiliti utama seperti ke tempat kerja, koan Trafik dahraya.

Bagaimanapun, harangam penggunaan Peragaian kenderaan mikromobiliti di negara ini perin dilihat dari beberapa sudut yang tempat di mobiliti utama seperti ke tempat kenderaan mikromobiliti pendikan pengunaan.

Pekanda dari kenderaan mikromobiliti pendikan kenderaan mikromobiliti pendikan selagai disokong infrastruktur sesual dan selamat, sekali gus ia tidak sesuai untuk bersongsi jalan raya utama dengan kenderaan besar.

Susun atur laluan bersesuaian amat penting tehapi kebanyakan penggunaan kenderaan mikromobiliti sama ada di luar mahupun dalam negara

berkongsi dengan lahuan pejalan kaki atau basikal.
Ciri kenderaan berenjin dan berkelajuan tersendiri boleh meningkatkan risiko keselamatan kepada pelain akid den pamiangkatkan risiko keselamatan kepada pelain akid den pamiangkatkan berderaan mikromobiliti tidak sehmat. Kebipuan berderaan mikromobiliti tidak senam yang toga meningkatkan risiko keselamatan. Selain itu, reka bentuk fizikal kenderaan mikromobiliti juga menyebabkan pengguna lebih mudah terledah kepada risiko keselamatan. Rekamuya ringkas dan berbuka bagi tujuan memenlah konsepringan serta bergerat menyebabkan pengguna mudah terodera juga beraki kemahajan.
An dan juga pertu diperhahasi. Persturan kasap suh dang juga pertu diperhahasi. Persturan kasap serta dibuat bagi jenis kenderaan sebegiai keruna kelasnya tidak sama dengan kenderaan sedalam berkaitan keselamatan dah kepenggunaan serta fungsi kenderaan mikromobiliti ini di lahuan usama sendaraan mikromobiliti ini di lahuan usama seda masali menunjukkan wujuat pengguna membawa kenderaan mikromobiliti ini di lahuan usama sasih senda hinga mentihan masah sendaraan mikromobiliti ini di lahuan usama sasih senda hinga mentihan regunikan sama sasih sendah hinga meneruhkan masah sendah hinga meneruhkan canada sendah senda

midang-undang.
Pelaksanaan kenderaan mikrumoboliti akan membablikan komunikasi menyeluruh antara organisasi, penguna dan sistem undang undang Cabaramya adalah untuk mengkoordinasi ketiga tiga enitti ini bagi mencapai kesepakatan dan perse-kahaman dari segi penyelikan infrastruktur ber-kualiti atau peraturan terperinci dan jelas. Kerajaan seperti Kementerian Pengangkutan, pi-bak berkuasa tempatan (PET), Polis Diraja Mahyais (1904M) dan Jahatan Pengangkutan Jalan (JPP) pertu mengadakan perbincangan dan mengunyai komunikasi sehala bagi menjami keberpunyai komunikasi sehala bagi menjadi fakus dinia gibala masa kini. Aspek beselamatan dan penguat-kusasan peraturum masih pertu didasari dengan data dan kajan yang komprebensif.
Dalam konteksi kesesakan trafik di bandar kenderaan mobiliti mungkin beheh dipadikan pilihan sebagai penyelesakan jangka pendek, anumu cabaran-nya perlahi dhambig persikan pengaera kindastri trafik, pengangkunan dan jalan raya itu sendiri.

#### Pemanduan 'defensif' bantu kurangkan nahas



Trifik liukit Aman sebetum ini menjangkakan 4.7 juta kenderaan memenuhi lebuh
raya dan jalan raya sempena didilitri awal Mei ini.
Dalam situasi begini, amat penting bagi pengama
jalan raya nenganalkan sikap bertanggungjawab
dan sangat berhati-hati dalam pemanduan.
Pemanduan defensif adalah benik boleh
Pemanduan defensif adalah benik boleh
dan sangat berhati-hati dalam pemanduan.
Labernaksad pemandu mengunyan
an ini balam sejam mandu bagi mengunyan
an ini balam sejam mandu bagi mengunyan
an ini balam sejam mandu bagi mengunyan
an ini bagi pemandu mengunyai kistem pertahanan'untuk mengelak, menghindar dan mengunyangkan risiba kemalangan secara sedar dengan melaksanakan langkah keselamatan kendiri.
Kesedaran dan kewangedam adalah ciri tuanpertu ditempkan dalam pemanduan bermid.
Pemandu seharannya mengunyaik sesedaman
membaat penilalan dan tanggapan awal terhadap





#### **INTERVIEW**





**PROGRAM BICARA JURUTERA** 

#### Isu Semasa Kejuruteraan: Keselamatan Cerun

"Isu-isu berkaitan dengan kegagalan cerun & langkah keselamatan yang diperlukan "



FBLIVE: @MalaysianEngineer

3⊡



"JURUTERA MEMBINA NEGARA"



#### Menarik hari ini :

- Bersama Kembara, Dato' M. Nasir.
- Bahaya minyak masak kitar semula.
- Juga pelbagai pengisian lagi di Malaysia Hari Ini.





https://www.juruteramalaysia.com





# CORPORATE SOCIAL RESPONSIBILITY EVENTS

# CORPORATE SOCIAL RESPONSIBILITY EVENTS



27 JAN -19 MAY 2022-THE SCHOOL OF CIVIL ENGINEERING IN COLLABORATION WITH SEKOLAH KEBANGSAAN ULU TEMBELING, JERANTUT, PAHANG HAD ORGANIZED AN ENVIRONMENTAL EDUCATION AND AWARENESS PROGRAM. THIS PROGRAM AIMS TO EDUCATE PRIMARY SCHOOL STUDENTS ON THE IMPORTANCE OF SUSTAINABLE DEVELOPMENT GOALS. THIS PROGRAM WAS CARRIED OUT UNDER THE SUSTAINABLE SDG GRANT (600-RMC/LESTARI SDG-T 5/3 (119/2019)).

30 MAC 2022-A TREE PLANTING EVENT, ORGANIZED BY TAMCO SWITCHGEAR (M) SDN.BHD. WAS ATTENDED BY THE REPRESENTATIVE FROM SCHOOL OF CIVIL ENGINEERING. MANGROVE TREES WERE DISTRIBUTED TO SCHOOL PARTICIPANTS WHICH INCLUDE 1) SK BUKIT KEMUNING 2 (SHAH ALAM), 2) SK TAMAN GEMBIRA (KLANG), 3) SK BATU LAUT (KUALA LANGAT) AND 4) SK SERI MENDAPAT (BATU PAHAT, JOHOR).





4-29 APRIL 2022-"PROGRAM MUTIARA RAMADAN", A SPECIAL PROGRAM WAS HELD DURING RAMADAN WITH SPONSORSHIP FROM NGO, WEAREONE AND KELAB KEBAJIKAN & KESEJAHTERAAN KOLEJ KEJURUTERAAN (5K). TWO FORMS OF CONTRIBUTIONS (PROJEK KONGSI REZEKI AND SAHUR KIT) WERE DISTRIBUTED TO RESIDENTS STUDENTS OF COLLEGE OF ENGINEERING.

12 JUNE 2022 - SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) EXPOSURE PROGRAM FOR FUTURE HUFFAZ ENGINEERS WAS HELD IN COLLABORATION WITH KUMPULAN HAMODAL SDN. BHD. THE OBJECTIVE OF THIS PROGRAM MAINLY TO PROMOTE AND BUILD INTEREST IN STEM FOCUSING ON PRIMARY SCHOOL STUDENTS OF SEKOLAH SINAR TAHFIZ DAN KEFAHAMAN AL-QURAN (SHIFA).





12 JUNE 2022-THE SCHOOL OF CIVIL ENGINEERING IN COLLABORATION WITH GLOBAL WASTE SELANGOR HAD ORGANIZED THE USED COOKING OIL MANAGEMENT PROGRAM. HIS PROGRAM WAS ATTENDED BY ABOUT 20 PARTICIPANTS INVOLVING UITM STUDENTS AND RESIDENTS OF PANGSAPURI PERMAI PUTERA, AMPANG, SELANGOR. THIS PROGRAM AIMS TO RAISE PUBLIC AWARENESS ON THE RISK OF USED COOKING OIL TO THE ENVIRONMENT AND FUN ACTIVITY OF MAKING SOAP FROM USED COOKING OIL.

13 JUNE 2022-U-NEATY: TOGETHER WITH FUTURE ENGINEERS PROGRAM WAS CONDUCTED AT ORANG ASLI VILLAGE, PULAU INDAH, KLANG. DURING THIS PROGRAM, STUDENTS OF SCHOOL OF CIVIL ENGINEERING HAD INSPECTED THE CONDITION OF THE ORANG ASLI COMMUNITY HALL. AT THE SAME TIME THE ORANG ASLI WE GIVEN AN AWARENESS TALK ON 3R CONCEPT (REDUCE, REUSE, RECYCLE) TO ENSURE THAT SUSTAINABLE WASTE DISPOSAL IS APPLIED AND LIMIT THE USE OF NON-RENEWABLE RESOURCES.



# CORPORATE SOCIAL RESPONSIBILITY EVENTS

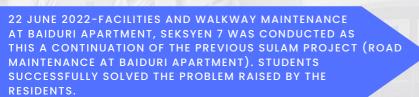


17 JUNE 2022-"SAYANGI SEKOLAH LINDUNGI BUMI" IS AN EVENT TO IMPROVE THE ENVIRONMENT OF SEKOLAH KEBANGSAAN DESA PUTRA WITH COLLABORATION FROM SWCORP, FGV HOLDINGS BERHAD, WATSON, UITM'S STUDENTS, MCDONALD'S AND PERNIAGAAN BAYU DAMAI. THE EVENT HAS THREE PROGRAMS: PLANTING TREES, CREATIVE ACTIVITIES WITH USED BOTTLES, AND A BRIEFING ON 3R (REUSE, REDUCE AND RECYCLE).

17-18 JUNE 2022- THE INNOVATIVE BOND PROGRAM IS ONE OF THE SULAM PROGRAMS PARTICIPATED BY STUDENTS FROM SEK. MEN. SAINS ALAM SHAH. STUDENTS WERE EXPOSED TO EXCITING ACTIVITIES RELATED TO STEM (SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS).

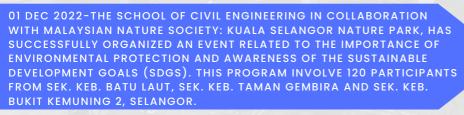


19 JUNE 2022 - THE SCHOOL OF CIVIL ENGINEERING IN COLLABORATION WITH MAJLIS PERBANDARAN KUALA LANGAT ORGANIZED CORPORATE SOCIAL RESPONSIBILITY PROGRAM CALLED PANTAI MORIB CLEANING EVENTS #PANTAIBERSIHBEBASSAMPAH. THIS HALF-DAY EVENT IS AN ESSENTIAL MESSAGE FOR THE YOUTH ON MAINTAINING THE BEACH'S CLEANLINESS.





25 JUNE 2022-CSR PROGRAM ORGANIZED BY THE SCHOOL OF CIVIL ENGINEERING IN COLLABORATION WITH BAHAGIAN ZAKAT, SEDEKAH DAN WAKAF UITM SHAH ALAM AND JABATAN AGAMA ISLAM SELANGOR, HAVE SUCCESSFULLY ORGANIZED AN EVENT RELATED TO THE DISPOSAL OF THE QURAN AT MAAHAD TAHFIZ AR-RUQAIYYAH, JERAM, KUALA SELANGOR. THE PRIMARY PURPOSE OF THIS PROGRAM IS TO PROVIDE AN INCINERATOR FOR THE DISPOSAL OF THE QURAN AND KITAB.





# **CONTACT US**



Kolej Pengajian Kejuruteraan

School of Civil Engineering,
College of Engineering,
Engineering Complex,
Tuanku Abdul Halim Muadzam Shah,
Universiti Teknologi MARA,
40450 Shah Alam, Selangor Darul Ehsan
Email: pkashahalam@uitm.edu.my
Tel: +603-5543 5052



https://engineering.uitm.edu.my/civil/



uitmpka



@pengajian\_kejuruteraan\_awam



uitmpka