

HIVE

BUZZ



Pavit Coran Journey of a World Champion

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MMU is Ranked 351- 400 in the THE Young University Rankings 2021

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MMU Grüne Welt

Emerges Runner Up
in Shell Eco-Marathon Asia 2021

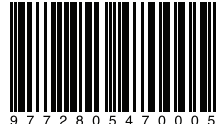
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Prototype Vehicle Design



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Ng Kean Pin
Tan Jun Liang
Liou Jun Quan
Leow Tze Yi
Ngwe Jia Le

All contributors who have helped in one way or another to make this newsletter a reality

Designer

Yang Oriyana Mazri

Photographers

Nor Nazri Mohamed
Razeelan Saaidan Kadri

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President's Foreword

Dear Readers,

I am honoured to pen a few words of encouragement in this inaugural issue of Hive Buzz. I believe that education is a life-long journey, and one should never stop learning if one hopes to achieve and experience glorious moments of life. In fact, education is like gold, with its values and preciousness increasing with the passage of time.

With the advancement of technology today, as well as information and training at our fingertips, we can improve our understanding, skills, and experiences. We should also continue to inculcate the culture of reading as knowledge can be expanded with self-coaching.

This publication is hoped to be an encouragement for all MMU citizens to continue to excel in all aspects. I am confident that MMU staff and students would be inspired to create their own success stories in the future. It is my wish that the entire university would support and embrace MMU PLUS U as a guiding principle in providing a comprehensive experience to build talent into a "Permata Dunia" that will lead the digital future.

I would also like to invite all our partners to participate in this journey of knowledge and experience-seeking. My greatest aspiration is that our collaboration will expand the opportunity for this university to continue to achieve further excellence globally.

We are living in the era of internationalisation, where knowledge and expertise can be shared interchangeably. Different cultures, histories, societies, and institutions should not be a hindrance for us to collaborate for future endeavours.

In today's interdependent world, preserving diversity has become the norm. As scholars, we must shoulder this responsibility. Now, more than ever, we need the spirit of teamwork and practical wisdom, which will be beneficial to all parties.

Lastly, it is my fervent hope that this publication will not only encourage MMU staff and students, but will also inspire our partners and the community as a whole to continue to excel in whatever they undertake.

Thank you.

Prof. Dato' Dr. Mazliham Mohd Suud
President/CEO of Multimedia University



“ We are living in the era of internationalisation, where knowledge and expertise can be shared interchangeably. Different cultures, histories, societies, and institutions should not be a hindrance for us to collaborate for future endeavours. ”

Editorial Desk

We are delighted to welcome readers to the first issue of Hive Buzz. The year 2021 is a tumultuous year, with the world continues to face the challenges of the COVID-19 pandemic. Nevertheless, life still has to go on, and it is crucial to have the right mindset of overcoming hurdles that cross our path.

In this issue, we will portray the story of Pavit Coran, who emerged as the Champion of ESU International Public Speaking competition on 14th May 2021, beating 35 other participants from 33 countries in the grand finals held virtually from London, United Kingdom. Another glorious moment was when MMU Grüne Welt from the Faculty of Engineering and Technology (FET) triumphed as the only Malaysian team winning the Off-Track Award for Asia Pacific Region in the virtual Shell Eco-Marathon Asia 2021 held recently.

Do flip the pages for more exciting news. Happy reading, and stay safe!

Editorial Team

Journey of a World Champion

in the ESU-International Public Speaking Competition

It was my second semester break. Hence, I had some time on my hands. I decided to search the Internet for competitions to join. Initially, I was just looking for something to pass time and gain exposure. This was also when I stumbled upon the English Speaking Union of Malaysia

(ESU-M)-Taylor's College Public Speaking Competition. At that time, I honestly didn't know how big the competition itself was. The e-poster was there, the Google form was there, the themes and timelines were there, everything was there. All I had to do now was register myself. One of the things that intrigued me about this competition was that the National Finals would be held physically at Taylor's College Lakeside Campus. With that being said, after being confined at home for a considerable amount of time, getting the opportunity to go out and compete was quite the incentive.

The duration of the national competition was roughly a month long, taking into account that the national preliminary rounds and semi-finals were done online, coupled with the fact that the judges had to go through longer periods of deliberations as there were quite a number of participants.

For the national preliminary rounds and the semi-finals, we posted our respective submissions through a private Facebook group. Eventually, I made it to the National Finals. At Taylor's College Lakeside Campus, I met fantastic speakers all over Malaysia. It was fascinating really, how the same exact theme could be interpreted so uniquely by different speakers. While I talked about compassion, others talked about oppression, domestic violence, Covid-19, and so many more. While I presented about mental health, others talked about autism, decision-making, education, and many other interesting topics.

That day, I emerged as the National Champion. Honestly, I was beyond grateful. I still remember just having faith and praying throughout the competition. I was immensely delighted to be announced as Malaysia's ESU Public Speaking Champion. It was only later, that the thought of representing Malaysia at the ESU-International Public Speaking Competition sank in.

With that being said, the journey was far from done. The following fortnight was one of the most exciting (and tiring) times of my life. I had a workshop with the ESU-M team headed by Tunku Dara to prepare me for the International Rounds. Between winning the National Rounds and going forward International Rounds, there were several training sessions. It is important for me to mention them, as they have given up a lot of their time and effort to prepare me.

Madam Jagdish Bhai, who gave up a good portion of her evenings for consultations throughout the competition, especially prior to the International Rounds.

Mr. Chew, who sat down with me for 3 whole hours to help me strengthen my script while giving me valuable advice. Madam Iris Tan, who still took the time to listen to my speech and look through my script even though it was already late at night.

Time flew by quickly. Soon it was competition week again. Meeting so many speakers all over the world was nothing less than astonishing. The International Preliminary rounds were fantastic. All of them, national champions of their own respective countries. They delivered amazing speeches based on their own interpretation of the theme.

With that being said, I was immensely grateful to have advanced into the grand finals. There were 6 grand finalists. Up until that point, the whole experience

was more than a competition; it was a journey. The international competition might have been just 2 days, but the experience is one that I will forever carry in my heart. I am eternally grateful to God who never gave up on me, even though sometimes, I felt like giving up myself. Prayers and practice was the routine throughout this whole journey. I remember just sitting down, having faith and praying that I may be given the grace to do well. It really, really helped me.

I vividly remember, it was around 1:30 A.M. (Malaysian time), we were waiting for the results. It was streamed on Youtube Live, and countries around the world held their breath, awaiting for the results. Likewise, I remember just sitting in the living room, recalling Bible verses, having faith and praying. Then it happened. The judges came back from their deliberations. The chief judge made the announcement. "This is the stage where I announced the winner. It is Pavit from Malaysia."



That moment was absolutely phenomenal. I was ecstatic. We (my family and I) were all filled with joy and gratitude. My coaches and friends started calling me and congratulating me. We were all so happy! There is no single adjective that could encapsulate the cocktail of emotions that bombarded me.

Praise the Lord!

We made it. MMU made it. Malaysia made it. The journey itself was an amazing feat. It was tiring, frustrating, challenging, interesting, exciting, fascinating and inspiring all at the same time.

It was memorable. A moment, an experience and a journey that I will forever cherish.

Topic Thoughts & Insights

There were two themes given to all participants.

1. "The world is bigger and smaller than it's ever been."
2. "The best route to change engages all voices"

Both were very thought-provoking topics. I still remember trying to figure out what to talk about for the second topic. However, let's start with the first theme. My script title for the first theme was

"A Brave New World." Here I explore how our virtual connections make the world smaller, at the same time emphasising that the compassion in this world is getting bigger. Here, I try to highlight how virtual connections and real-world compassion are inter-related. Truly, this time, while being away from each other is essential to curb the pandemic, we must utilize the virtual realm as much as possible in order to be there for one another. Online donation initiatives, virtual awareness campaigns, volunteering virtually are all compassionate endeavours that can be practiced within cyberspace to help one another.

Hence, in this speech, I really tried to portray how virtual connections and compassion must work hand-in-hand. The second speech was more towards exploring how our voices are able to make a change. I still remember trying to think of what exactly requires our "voices" to make a significant difference. After doing some research, I realised, mental health is a prevalent

issue that is often disregarded yet requires people to speak up. I choose this topic because the cruciality of our respective voices are astronomically high when it comes to portraying the actual weight of this issue. It can no longer be dismissed as an insignificant nuisance, but must be addressed promptly and properly. Not to mention, this pandemic has largely affected society's mental health, making it even more relevant. This whole speech, including the Q&A segment, attempts to urge relevant parties (which includes ourselves) to inculcate and implement pivotal changes moving forward.

Gratitude

Truly, I believe gratitude would be the most fitting conclusion for this article. Personally, I believe gratitude is the most pivotal element for any journey.

First and foremost, I thank God for the opportunity, and His grace and guidance throughout this journey.

I would also like to thank all those who have been part of this experience. It means a lot to me.

From the bottom of my heart, thank you.



Pavit Coran

Short Biography

Pavit Coran hails from Kota Bharu, Kelantan. A city where he grew up all his life. His secondary education was at SMJK Chung Hwa, Kota Bharu, Kelantan. Here, he has been given the privilege to compete for his school, subsequently winning several awards at both state and national level.

Pavit Coran was also the president of the school's Karate Club. He has represented his state at national competitions as well as international tournaments. He was also awarded Best Overall Participant in his school's Karate Tournament in 2016.

Pavit believes in striking a balance between both academics as well as extra-curricular activities. He enjoys a good game of football/futsal and badminton (although he is not very good at the latter). He was also awarded as the Best Participant at his school Prefect Leadership Camp in 2019.

Recently, Pavit Coran emerged as the champion at the ESUM-Taylor's College Public Speaking Competition. Subsequently, he represented Malaysia at the ESU International Public Speaking Competition, where he prevailed as the champion.

Pavit Coran has just recently completed his Foundation in Law course at MMU Melaka and plans to pursue his Bachelor of Laws (LLB.Hons) in Trimester 1, 2021/2022.

Contact Information:

Email:
pavitcoran.my@gmail.com

LinkedIn:
<https://www.linkedin.com/in/pavit-coran-347b06210/>

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“ Education
is for
improving
the lives
of others and
for leaving your
community
and world
better
than
you found it ”

- Marian Wright Edelman

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MMU Continues its Excellence in the Global Ranks

The MMU's global academic reputation for the quality of its programmes is further recognized in the Times Higher Education (THE) World Ranking and Quacquarelli Symonds (QS) World University Rankings. The progressive performance reflects the university's position as among the best private Malaysian university, which was proven through consistently being ranked in the world and the national rankings.



★ THE WUR 2021 (Emerging Economies)



MMU remains its superb standing in the 401-500 of the THE World University Ranking (WUR) 2021 (Emerging Economies), which was announced in March 2021. Standing shoulder-to-shoulder with other higher-education giants of the world, MMU maintains its ranking with significant improvements in citations, international outlook, and teaching.

★ THE Impact Rankings 2021



In April 2021, MMU made its debut in the THE Impact Rankings 2021, where the varsity is ranked at 601-800 worldwide. The impact rankings measure global universities' success in delivering the 17 United Nations' Sustainable Development Goals. More than 1000 universities participated in the rankings for this year.

MMU was assessed in 11 out of the 17 Sustainable Development Goals (SDG) and demonstrated its commitment to impactful outcomes that will benefit humanity in line with its vision of transforming society through innovation. Through the holistic initiatives in research, education and outreach, MMU was ranked 301-400 in 5 SDGs which are SDG4: Quality Education, SDG8: Decent Work and Economic Growth, SDG9: Industry, Innovation and Infrastructure, SDG10: Reduced Inequalities, SDG12: Responsible Consumption and Production.

★ THE Asia Rankings 2021



The university is ranked at 401+ among universities across Asia according to the release by THE on 2nd June 2021. The universities were assessed via several main areas namely teaching, research, knowledge transfer, and international outlook.

This is indeed a good development for the university despite the challenges amid the COVID-19 pandemic, and it is gained through a collective effort by MMU community.

★ THE Young University Rankings 2021



In the Times Higher Education (THE) Young University Rankings 2021 that was released in June 2021, MMU continues to be ranked in the 351 – 400 band, the same one we occupied when we were first included in the list last year.

The THE Young University Rankings is a unique world ranking of the newer generation of universities, which are 50 years old or younger. These rankings apply the same methodology as THE's World University Rankings, but adjusted to better reflect the strengths and aspirations of emerging group of dynamic universities. It judges varsities on the basis of five parameters of teaching, research, international outlook and industrial output.

By being a trendsetter and pioneer in the Malaysian private tertiary education sector since its inception, MMU is on the right path, as evidenced by the just-announced rankings.

★ 2022 QS World University Rankings



According to the 2022 QS World University Rankings that was released in June 2021, MMU remains a top contender in the Malaysian higher education sector, and is listed among the 22 reputable research institutions in Malaysia.

The accompanying report states that the university scored well in the Academic Reputation, Employer Reputation, and International Students indicators, which are all ranked in the 500+ bracket.

It should also be noted that our pursuit of high-quality teaching delivery has been rewarded with improvements in our Faculty-Student Ratio score. Specifically, MMU stands on the global stage with other prominent universities in the 1001-1200 rank range.

MMU Receives APEL (C) Certificate from MQA



MMU President, Prof. Dato' Dr. Mazliham Mohd Su'ud, was invited to Malaysian Qualifications Agency (MQA) recently to receive the APEL (C) certificate from the Minister of Higher Education, Datuk Seri Dr. Noraini Ahmad. During the event, which was held on 5 January 2021, the APEL (C) certificate was awarded to MMU along with two other institutions which had also received their approvals.

The APEL (C) Unit at MMU, under the purview of the Centre Online Distance Learning, headed by Dr. Tenku Putri Norishah Tenku Shariman, had applied for the certification and had conducted the Pilot Study involving students and the lecturers from the Faculty of Management (FOM) and Faculty of Computing and Informatics (FCI). The results of the Pilot Study and other related administrative aspects of APEL (C) were presented to the MQA panellists during a presentation session on 17 September 2020.

MMU finally received MQA approval for the implementation of APEL (C) on 27 October 2020.

APEL (C) refers to the award of credits for prior experiential learning towards a course in an accredited programme. It recognises prior experiential learning that is relevant and specific to a course within a programme of study and is applicable for all courses except for final year project, thesis and dissertation. With this approval from MQA, MMU students can now apply for APEL (C) which enables them to credit transfer their prior experiential learning which includes informal learning such as hobbies, work experience and voluntary work, as well as non-formal learning which includes seminars, workshops and short courses. For more information regarding APEL, please contact Ms. Farihan Abdullah or Ms. Siti Rodziah Arub at 03-8312 5509.

MMU is Malaysia's First University to Offer FLP

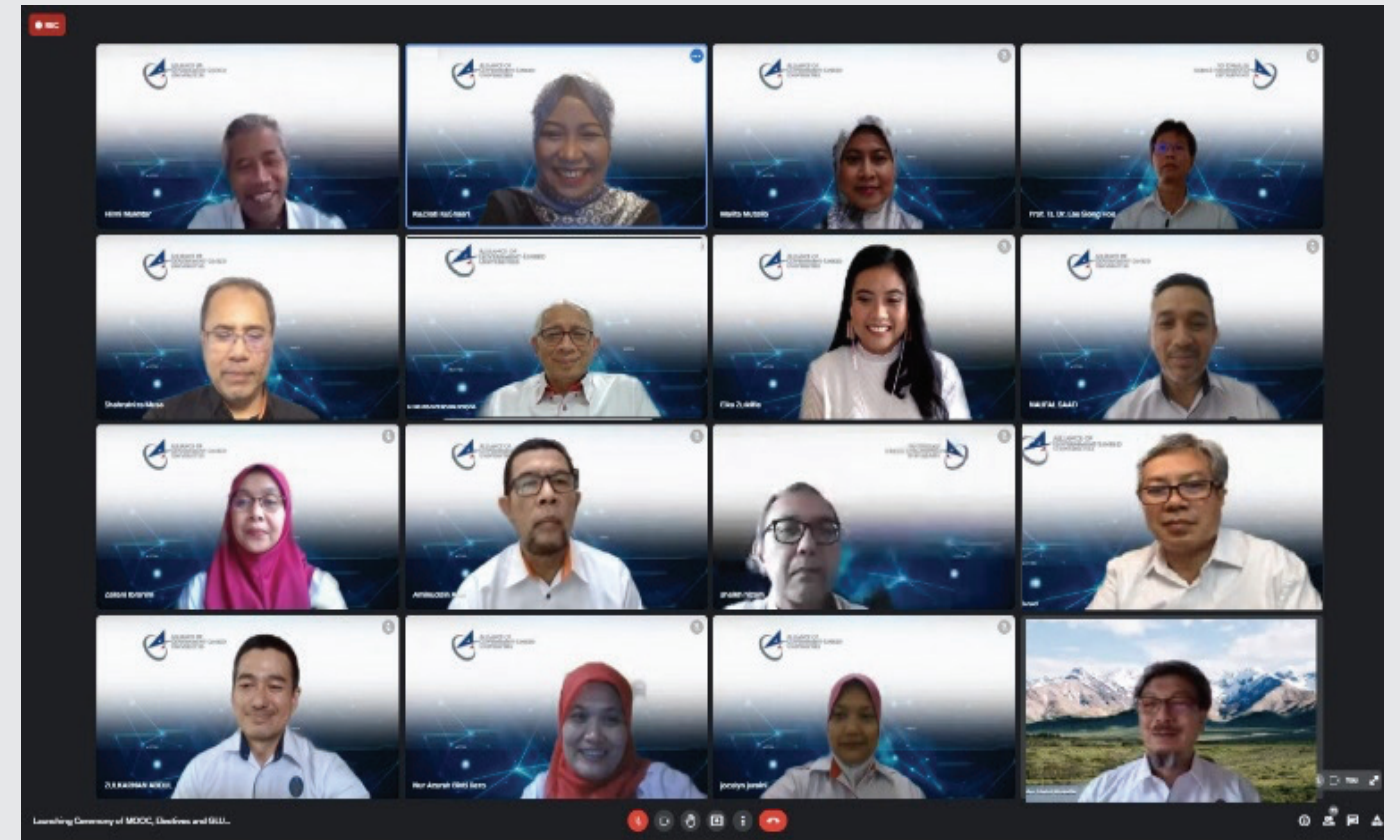
Multimedia University (MMU) and the Chartered Institute of Management Accountants (CIMA) exchanged the Memorandum of Agreement (MoA) at Cyberjaya campus on the 25th March 2021. Through the pact, MMU will be the first university in Malaysia to offer the Finance Leadership Programme (FLP) for professional accountants.

The FLP is created to help students develop mastery of critical skills with three levels namely the operational level, the management level, and the strategic level. MMU and CIMA have collaborated closely for the CIMA A Star Programme, which provides an accelerated pathway for our high achievers in the Bachelor of Accounting (Hons.) programme since 2018.

The exchange ceremony was attended by Prof. Dato' Dr. Mazliham Mohd Su'ud, MMU President; Mr. Venkatesh Ramanan, the Regional Vice President- Asia Pacific; CIMA, Ms. Ginny Lim, CIMA Head for South East Asia; Assoc. Prof. Dr. Gerald Goh Guan Gan, Director of Strategy and Quality Assurance (SQA); Dr. Ruzanna Abd Razak, Deputy Dean (Faculty of Management), and other MMU officials.



The Alliance of GLU Launches Flexible, Student-centered Curriculum of the Future



The Alliance of Government-Linked Universities (GLU) officially launched a product of one of its successful academic collaborations – the joint offering of Massive Open Online Courses (MOOCs), Open Electives and GLUMinor. This joint offering allows students to take courses from GLU member universities.

GLU was founded in 2016 and is currently represented by 4 universities that are leaders in their respective domains, Universiti Teknologi PETRONAS (UTP), Multimedia University (MMU), Universiti Tenaga Nasional (UNITEN), and Universiti Kuala Lumpur (UniKL).

Within the alliance are four pillars of collaboration, namely Academic, Research, Sustainability and Governance as well as Student Experience. The joint offering of MOOCs, Open Electives and GLUMinor is one of the efforts under the Academic Pillar's initiative.

With the coming offering in September 2021, all students across the four GLU will be able to enrol for their preferred MOOCs, open electives and GLUMinor courses offered by the 4 universities. Students can apply for credit transfer of the MOOCs and open electives courses taken at the host university into the academic programme at their university.

The GLUMinor is a special academic package comprising 15 credit hours. Packages offered are per the niche area of each GLU member university; Oil and Gas (UTP), Energy (UNITEN), Aviation (UniKL), and ICT & Creative Multimedia (MMU).

Prof. Dr. Ho Chin Kuan, the Vice President of Academic and International Relations of MMU, who is taking the lead for the Academic Pillar of GLU, mentioned that these courses are to be taken outside of the prescribed programme structure to enhance students' knowledge in the field of their interest. Students may choose to complete the package within a year during their study period or after completing their registered degree programme.

The offering allows students to experience the niche knowledge of member universities. "This initiative provides the opportunity for students to network with other students from member universities and let them experience the academic culture," Prof. Ho added.

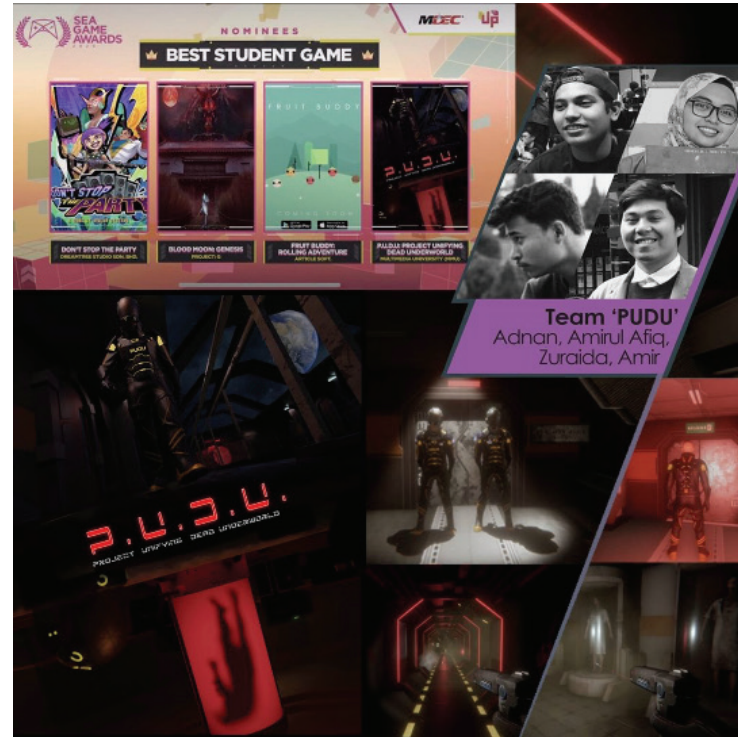
Other dignitaries who graced the occasion were Prof. Ts. Dr. Mohamed Ibrahim Abdul Mutalib, the Chairman of GLU, Prof. Dato' Dr. Mazliham Mohd. Su'ud, President/CEO of MMU, Prof. Dato' Ir. Dr. Kamal Nasharuddin Mustapha, Vice-Chancellor of UNITEN, and Prof. Dr. Shahrulniza Musa, Acting President/CEO of UniKL.

MMU VR Game Lists in Top 4 Best Student Game at SEA Games Awards 2020

A final year game project called P.U.D.U (Project Unifying Dead Underworld) from the Faculty of Creative Multimedia (FCM) was listed among Top 4 for Best Student Game at South East Asia (SEA) Game Awards 2020. The game was developed by Virtual Reality students namely Amer Faiz, Adnan Arif Jadzlan, Amirul Afiq, and Nur Zuhairda Jasanuar, which was under the supervision of Mr. Dendi Permadi and Mr. Erwin Abd Jabbar.

P.U.D.U is a sci-fi survival horror virtual reality (VR) game that immerses players in a space prison on the moon surrounded by failed experiments of mutated prisoners from the planet Earth. Inspired by the famous prison, Pudu jail, this VR game also includes well-known supernatural entities based on local ghost folklores. The player needs to escape from the moon prison station by fighting with the mutated prisoners and defeating the evil scientist who practice black magic.

The team was initially listed in the Top 40 finalists together with students and industry gamers from the Southeast Asian region including Singapore, Malaysia, Thailand,



Philippines, Indonesia, Vietnam and others. SEA Games Awards is part of the LevelUP KL conference, Southeast Asia's premier industry event for game developers. This virtual event was organised by the Malaysia Digital Economy (MDEC) and attracted more than 50,000 gamers, developers, distributors, and visitors across 30 countries.

“Jom Lukis Mobile Application” Attains Gold Award

Juniza Zambri, a postgraduate student from the Faculty of Creative Multimedia (FCM), Multimedia University (MMU) bagged a gold award for her “Jom Lukis Mobile Application” at the International Competition for Educational Innovation and Research (EduInnovation).

The app helps to transform teaching methods into personalized learning and it is developed for design students as a learning tool to access learning material and learn at their own pace. The app development is based on the ADDIE model.

It also provides some video tutorials and drawing tips. The app also features a reward system to motivate and engage with the user as well as online evaluation for continuous improvement. Apart from that, Jom Lukis was designed without coding as a benchmark for the non-programming developers to develop their mobile application.

The event was organised by the Faculty of Education, Universiti Kebangsaan Malaysia (UKM). The competition encourages futuristic innovation across IR 4.0 with two main categories namely Innovation in Teaching & Learning and Innovation in Educational Research.

We hope to have more MMU students winning this type of competition. Well done Juniza!



Champion of BizMaker Competition 2021: Innovative Idea for Food Waste Solution and Organic Vegetable

Mohamad Nizamuddin Azlan, Wan Eizhan Afeer Wan Ahmad Faizal, and Nur Aiman Mohd Irtiza as Team Novizio was announced as the champion in the BizMaker competition on 2nd May 2021. The team received a cash prize of RM400, goodies bag, and e-vouchers from sponsors. Mentored by Mr.

Vincent Chan from the Faculty of Business (FOB), the trio pitched the winning ideas that solves Malaysian food waste and at the same time helping local farmers to grow organic vegetables in order to meet the rising demand for organic vegetables.



Outstanding Master's Dissertation Award for IEEE ComSoc and VTS Joint Chapter

A postgraduate student from the Faculty of Engineering (FOE), Fareha Nizam was awarded with the Outstanding Master's Dissertation Award by the IEEE Malaysia Communication Society and Vehicular Technology Society Joint Chapter 2021. She received the award from Assoc. Prof. Ir. Dr. Mohamad Huzaimy Jusoh, the IEEE ComSoc and VTS Joint Chapter Chair during a virtual ceremony, recently.

With her paper entitled “Radio Resource Allocation Algorithm and Scheme for Interference Management in Device-to-Device Communication in 4G and Beyond”, she was the sole recipient for this award beating other participants from all over Malaysia. She was supervised by Assoc. Prof. Dr. Mardeni Roslee and Dr. Zubaida Yusoff. The award recognises the exceptional work of her Master's thesis and its significant contribution in research, innovation, and support to the IEEE ComSoc and VTS Joint Chapter.





“Jom Study” Developer Listed in Forbes 30 Under 30 Asia 2021

Ong Yong Xun, a student from the Faculty of Management (FOM) was listed in the Forbes 30 Under 30 Asia 2021. Yong Xun or known as Zero, an Accounting student, has developed an app called “Jom Study” to help SPM candidates to study or to do revision through the apps.

Prof. Dato’ Dr. Mazliham Mohd Su’ud, the President congratulated Yong Xun in a brief meeting in Cyberjaya campus on 3rd May 2021. Yong Xun is named among other 6 Malaysian youths, who were chosen by the prominent business magazine under the age of 30 across Asia.

“Self-Powered Multifunctional Lawnmower” Wins 1st Consolation Prize in Brunei



A team from the Faculty of Engineering and Technology (FET): Mr. Kang Chun Quan (postgraduate student), Ir. Ts. Dr. Ng Poh Kiat (Supervisor), and Dr. Liew Kia Wai (Co-supervisor) won the first consolation prize under the ASEAN Category for New Invention and Innovation in the Crown Prince CIPTA Award 2021 (CIPTA 2021) on 16 June 2021.

With their project, “Self-Powered Multifunctional Lawnmower”, the invention was officially patent-filed (PI 2020005912) for a self-powered robotic lawnmower that also works as a floor polisher by substituting its thin circular disc of cutting blades with a polishing pad. Various sensors were used for obstacle avoidance, boundary detection, and emergency lift sensing. The invention can also be remote-controlled using a smartphone through the connection of Bluetooth.

Law Students Clinch First Runner Up at RWC-NAMCO Sports Arbitration Mooting Competition 2021



Jeyaganesh A/L S Ravi and Phiong Xin Yu from the Faculty of Law (FOL) emerged as the first runner up in the Grand Final of the RWC-NAMCO Sports Arbitration Mooting Competition (SAMCO 2021) on 13 June 2021. Not only that, the students also were ranked among the top oralists in the general rounds of the competition.

Jointly organised by Namco Management LLP (NAMCO) and Messrs Richard Wee Chambers (RWC), this sports arbitration-based mooting competition serves as an avenue for law students to acquire better understanding of dispute resolution and issues in the sports world. It also gives an opportunity for the students to equip themselves with advocacy and research skills as well as critical thinking before they enter the real world of their career.



Khalid Faiaz Mohammad, Ng Kok Wee and Lim Yang Yong from the Faculty of Management (FOM) bag 1st runner up place in MyMalaysia Career e-Fair Virtual Debate Competition.



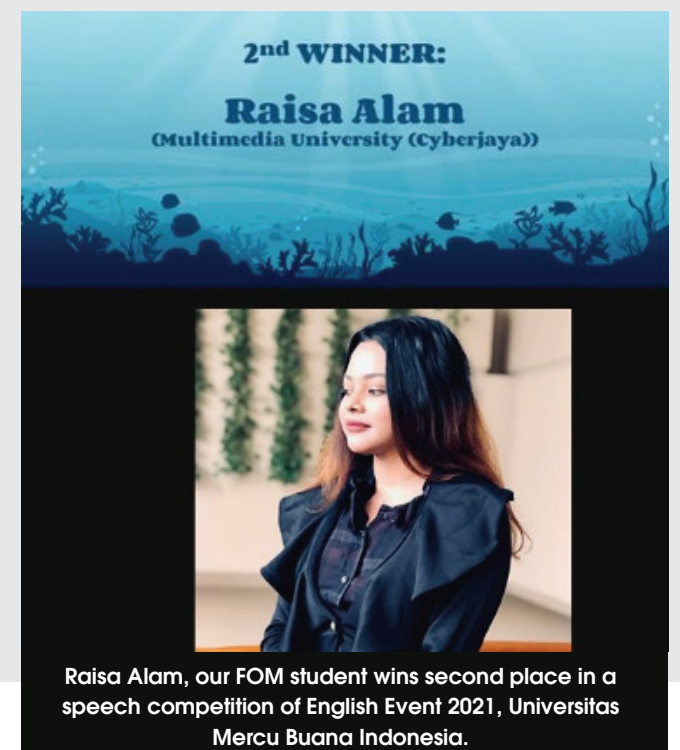
Chia Jason from the Faculty of Engineering (FOE) wins second place at the 4th Tan Sri HJ Yusoff Ibrahim FYP Competition.



Our Faculty of Business (FOB), Jeffrey Quek Shue Yew emerges as the champion in the Pertandingan Menulis Rencana Akhbar 2021.

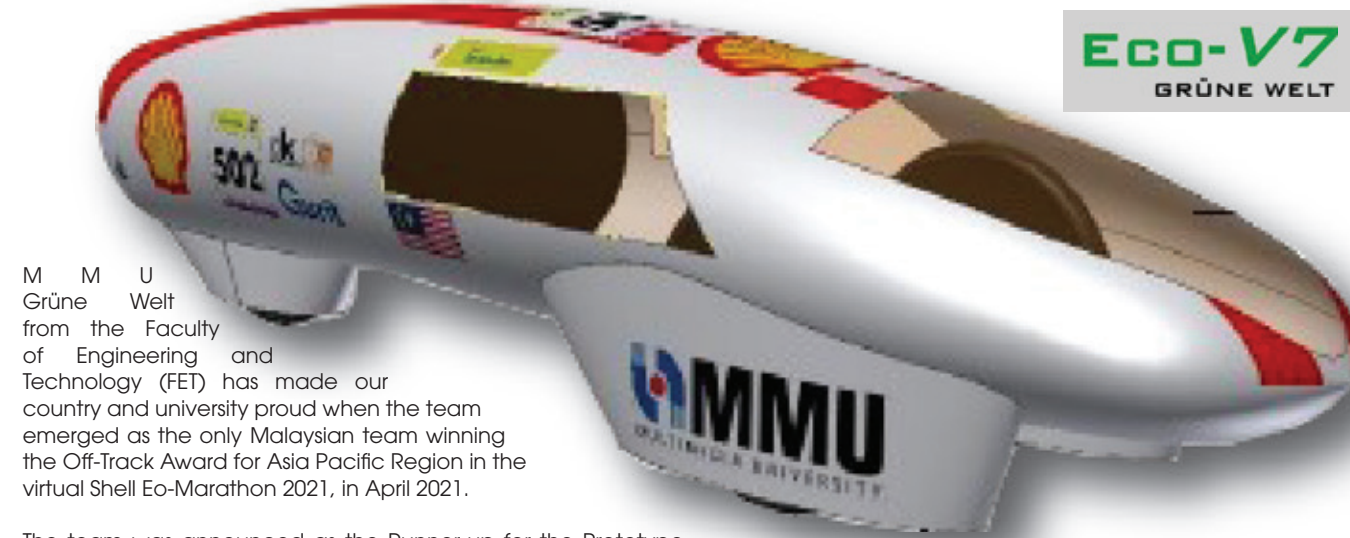


Tan Li Ting, our Faculty of Management (FOM) student continues to perform well in chess tournaments.



Raisa Alam, our FOM student wins second place in a speech competition of English Event 2021, Universitas Mercu Buana Indonesia.

MMU Team Shares Exciting Journey Being as Runner Up for Prototype Vehicle Design Award in Shell Eco-Marathon Asia 2021



MMU Grüne Welt from the Faculty of Engineering and Technology (FET) has made our country and university proud when the team emerged as the only Malaysian team winning the Off-Track Award for Asia Pacific Region in the virtual Shell Eco-Marathon 2021, in April 2021.

The team was announced as the Runner-up for the Prototype Vehicle Design Award to receive USD750 together with 100 Virtual League Points. With these league points earned, MMU Grüne Welt is now currently ranked 10th in the Asia Pacific Region and 30th globally.

Due to the COVID-19 outbreak, Shell Eco-Marathon 2021 adopts a unique model that involves new and exciting virtual opportunities, all with the continued goal of addressing an age-old problem that focuses on improving vehicles' efficiency to travel as far as possible using as little energy as possible. Various events were held such as Pitch the Future, Virtual Technical Inspection, Virtual Off-Track awards, and several Bonus Challenges which were totally different from the past Shell Eco-Marathon events. MMU team is being persistent in competing and continuing the legacy of the team by fabricating their very own Eco-V7 battery-electric prototype vehicle for this competition.

We have managed to catch them in an wonderful interview, as below:

1. Your team came in as runner-up in the Vehicle Design Award (Prototype) category. You were also the only Malaysian team to have won in the competition. Tell us how you feel about it.

We are glad that we managed to accomplish such achievement. Our team has been aiming for Vehicle Design Award all these while and we finally achieved it this year. Our hard work and effort all these while has finally paid off! Apart from that, we are proud and thrilled to be able to bring the Malaysian flag to the international level!

2. Your team won USD750 (RM3,108). How are you dividing the cash prize among yourselves? And how do you plan to use it?

The cash prize received will be kept in the team's account and handled by our team advisor for our future vehicle development and fabrication purpose. We are looking forward to improve our design

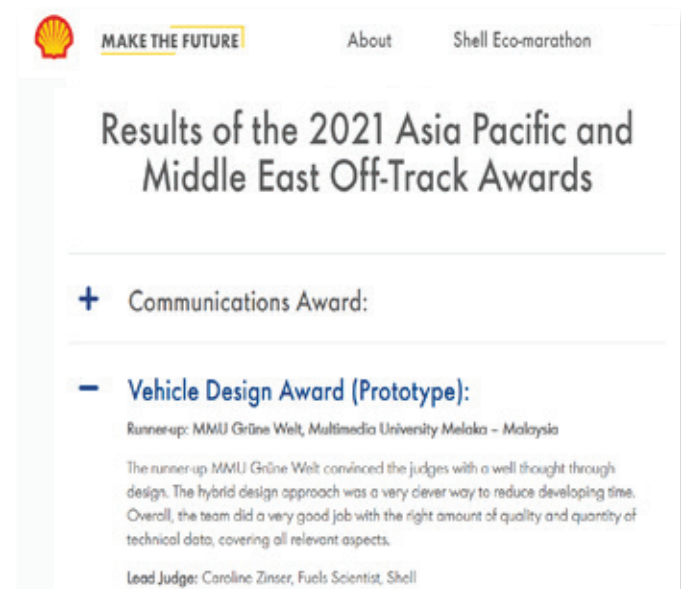
3. How did you find out about Shell Eco-Marathon? What made you decide to take part in it?

Most of us were introduced by our friends from the Faculty, regarding Shell Eco-Marathon and Team MMU Grüne Welt. Back

in 2019, our team managed to achieve an outstanding result of being ranked as 1st in Malaysia and 6th in Asia. Since then, many of us decided to join as we are keen to learn new things, which include design knowledge and hands-on skills related to mechanical fabrication processes.

4. How did you form the team (for example, are you all close friends/coursemates)?

The team was formed by students from Faculty of Engineering & Technology, mainly from Mechanical Engineering programme. Our current MMU Grüne Welt team has included one more member from Faculty of Information Science & Technology. This year, we recruited many talented junior members via online platforms due to COVID19 pandemic.



The Team



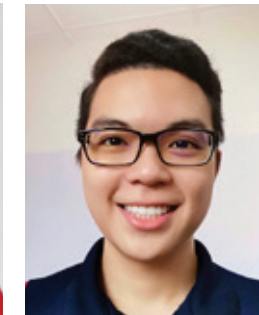
Ng Kean Pin, 24,
Team Manager and Steering & Brake Division Leader



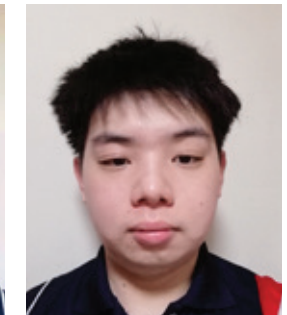
Tan Jun Liang, 22,
Assist. Team Manager Assistant Team Manager and Power Transmission Division Leader



Liou Jun Quan, 22,
Shell Division Leader



Leow Tze Yi, 21,
Chassis Division Leader



Ngwe Jia Le, 21,
Electronics Division Leader

5. Why did you name your team Grüne Welt? Is it German for "green world"?

"Grüne Welt" means Green World in German. The team name was suggested by our former German lecturer in Mechanical Engineering programme, Dr. Dirk Rilling who was one of our team advisors during our team's first participation in Shell Eco-marathon Asia 2011. Aiming to contribute to the society and conserving the environment, MMU Grüne Welt Eco prototype vehicle series strives to follow the concept of environmental friendly and green technology in its design.

6. There are several categories in the competition. Why did you choose to take part in the Vehicle Design Award (Prototype) category?

This year, Eco-V7 has a unique design and minimum aerodynamic drag coefficient, inspired by the shape of a shark's aerodynamic profile. Basically, all the requirements of fulfilling this award were achieved in Eco-V7, and we also have many unique modular designs in our Eco-V7, making us confident enough to take part and achieve something in Vehicle Design Award (Prototype) category.

7. When did your team start working on the project? How long did it take to complete it? Tell us a little about the process/stages involved (for example, did you all have to buy materials for the prototype, test it out, present live to a group of judges via online?).

Eco-V7 started its fabrication since year 2020, but unfortunately due to the strike of Covid-19 pandemic and the subsequent MCOs, the fabrication process was intermittently interrupted. Since then, our previous batch of seniors already graduated, and we then continue the legacy of Eco-V7. Due to strict SOPs outlined by government and the campus, there are some delays onto our fabrication process and thus, the fabrication process is still on-going. Despite the hindrances, our team are determined and confident enough to complete the fabrication of Eco-V7 by end of this year.

The prototype design cycle started from the designing phase using computer-aided design (CAD) tools followed by the engineering analysis using computer-aided engineering (CAE) software and manufacturing process planning using computer-aided manufacturing (CAM) tools. Once the bill of material (BOM) is generated, the procurement of the required materials and components is then initiated, and the subsequent fabrication, assembly and testing and troubleshooting processes will follow.

Our vehicle's body shell and chassis are mainly comprised of carbon fibres. We conducted a series of mechanical tests to

understand the mechanical properties of the material. We also perform the engineering analysis and simulation on the chassis in CAE (Computer Aided Engineering) software and present it virtually to our advisors so that they can provide some feedback and ideas to further improve our vehicle design and as well as fabrication process.

8. Describe your team's Eco-V7 battery-electric prototype vehicle. What's unique about it? How does it improve efficiency to travel as far as possible using as little energy as possible?

We tried everything we can to ensure the weight of Eco-V7 is at minimum level, which includes the usage of carbon fibres reinforced structures as our chassis, shell, drivetrain structure and so on. They are very light in weight but extremely strong. In other words, they have high strength-to-weight ratio.

Apart from that, the body shell which is designed and profiled with extremely low aerodynamic drag coefficient (0.27) also makes this vehicle an outstanding one. This extremely low aerodynamic drag will reduce the wastage of battery energy while the vehicle is in motion on the track, thus achieve the target of using as little energy as possible to travel as far as possible.

Besides that, the whole steering structure is also being minimized as we are using the concept of direct steering instead of ordinary steering mechanism. Direct steers which consist of lesser structures contribute lesser weight to the vehicle, besides giving a wider space for the driver while driving the vehicle. Moreover, the overall drivetrain design together with the shell-chassis connections are all in modular design, which eases the assembly and maintenance process as the parts can be dismantled and assembled easily.





9. How did your team find inspiration for your prototype design?

We are inspired by what we discover through extensive research onto research papers published worldwide combined with other resources such as videos shared by experts online.

10. Tell us about the challenges you faced and how you overcame them.

Fabricating and assembling of Eco-V7 is definitely not an easy task. For instance, we always discovered some unexpected problems, such as the mismatch of carbon fibres rod connections, misalignment of wheels, strength of structures not as expected and so on. Thus, we always had regular meetings with our advisors, seeking their guidance and advice to solve the issues. Apart from that, we also seek for help from our MMU Grüne Welt seniors as they are experienced in terms of hands-on fabrication of previous Eco series vehicles.

11. Did the restrictions due to the COVID-19 pandemic prevent your team from buying the materials for the prototype, meeting physically and working together? How did you find solutions for that?

Not an issue for us. Firstly, most of the materials already purchased since last year before the enforcement of MCO 1.0. Furthermore, most of our materials are purchased via online as most of them are not available in physical shop around Melaka. Though, it is a big trouble for us to meet physically for fabrication and working purpose. However, after discussing with advisors together with the Faculty, we obtained approval to continue our fabrication work in campus, by complying to SOPs set and arranging limited number of attendees per session. We also have our duty roster ready, to control the number of attendees per session during fabrication or any physical meeting session in campus.

12. Is there anyone you would like to thank for winning the competition? For example, any supervising lecturers?

For sure we would like to thank our team advisors led by Dr. Lim Boon Kian and Dr. Liew Kia Wai. They have always been supporting the team and provide many useful and constructive advice and feedback to our vehicle design and fabrication process. Our team will not be able to achieve this award for sure without the guidance from the advisors.



13. Shell Eco-Marathon programme includes a Global Virtual League where you can collect points throughout the year. You have earned 100 Virtual League Points (ranking 10th in the Asia Pacific Region and 30th globally). What are other events that you have participated under the programme? Are there any other events that you plan to take part?

We are actively taking part in all virtual events held by Shell Eco-Marathon, including Pitch the Future, Autonomous Programming, Virtual Technical Inspection and Bonus Challenge Quiz. For now, there is another Bonus Challenge known as Road to 2050 ongoing, and our team is now in the midst of preparing for the challenge. Also, the result of Virtual Technical Inspection is still yet to be released, and we hope that our team can further achieve some awards in both Virtual Technical Inspection and Road to



2050 bonus challenge. Please stay tune on our social media platforms for more info!

Instagram: [mmu_gw](#)
Youtube: [mmugrunewelt](#)
Facebook: [MMU Grüne Welt](#)

We will need your support to vote for us if our ideas are shortlisted internationally!

14. Any other comments you would like to add?

We would like to express our sincere thanks for this interview session. Apart from that, we also would like to take this chance to express our gratitude to the Faculty and also our advisors throughout this Sell Eco-Marathon 2021 journey. MMU Grüne Welt will definitely perform at our best to bring Malaysia and Multimedia University shine bright at the international stage!

Stay safe and stay healthy!

Staff Achievement

MMU Academics Clinch Rising Star Award at ASM ArtScience™ Prize

Dr. Roopesh Sitharan and Ts. Dr. Mohd Hafizuddin Mohd Yusof from the Faculty of Creative Multimedia (FCM) clinched the Rising Star Award at the ArtScience™ Prize. They were announced as their category winner for their project titled "Artificial autonomy and the question of subjectivity in AI". Organized by the Academy of Sciences Malaysia (ASM), the Prize was awarded to outstanding talent and works of art that represent the amalgamation of art and science. This Prize also is the first-ever to be established in Malaysia to acknowledge the artist-scientists' community.



MMU Academic Win Outstanding Professor of the Year Award

Assoc. Prof. Dr. Ts. Dr. Ervina Efzan Mhd Noor, Director of Industrial Collaboration & Engagement Center (ICEC) and an academic member of Faculty of Engineering and Technology (FET) was conferred with the "Outstanding Professor of the Year" award at the World Education Leaders Summit & Awards 2021 on 7th March 2021. This virtual event was organised by International Centre for Excellence in Education (INDEED) and Society for Perpetuation of Art, Culture & Education (SPACE).

Over 250 participants from more than 50 countries participated in this World Education Leaders Summit & Awards this year. The highlights of the event were International Conference on the theme: "Education for Values, of Values, by Values- Why, What, How", Outstanding Value Awards for appreciation of the outstanding work done by accomplished institutions or organisations as well as Educational Professionals.



MMU Lecturers Bag Gold Award at Penang IID 2021



Three lecturers from the Faculty of Business (FOB) won the Gold Award in the Penang International Invention, Innovation, and Design Competition (PIID) 2021. Ms. Anushia Chelvarayan, Dr. Yeo Sook Fern, and Dr. Lim Kah Boon were selected as the winner for their project entitled "TutorKAY@Home", which fell under the Social Science category, beating 50 other participants.

The virtual competition was organised by Universiti Teknologi MARA (UiTM), Penang from the 10th until 11th March 2021. Approximately 400 teams participated in the competition, which served as a platform for academicians, industries, and students to highlight innovation, invention, and design in their respective fields.

Staff Achievement

MMU Team Wins Gold Award at MTE 2021: The 2nd COVID-19 International Innovation Awards

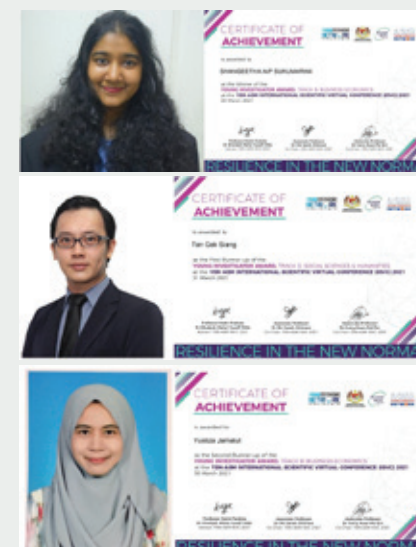
Mr. Vincent Chan, Ms. Cheah Wei Chee, Mr. Manivanan Sehgar, and Ms. Izyan A'qila Wan Ahmad Faizal collectively won a gold award with their invention "PM Tepi" at the Malaysia Technology Expo (MTE) 2021: The 2nd COVID-19 International Innovation Awards on 17 June 2021. PM Tepi is a digitalized platform with unique features that provides a unique solution for Pasar Malam vendors that are badly affected by the



pandemic. People can shop for Pasar Malam items virtually and the vendors can also continue their businesses in the comfort of their own homes.

Held virtually from 14 June until 18 June 2021, the awards were created to acknowledge and celebrate all innovation in response to COVID-19. The event is supported by the Ministry of Science, Technology and Innovation Malaysia (MOSTI), International Federation of Inventors Association, and Malaysian Society of Parasitology and Tropical Medicine (MSPTM). A total of 85 entries were shortlisted from different countries including Malaysia, Ukraine, India, Iran, Kuwait, Taiwan, Hong Kong, UK, Thailand, and others. There were 17 categories covering the entire spectrum from prevention to tracking, individual to group technologies and ideas, business concept to humanitarian efforts.

MMU Lecturer & Students Obtain the Young Investigator Award



Mr. Terence Tan Gek Siang, our academic from the Faculty of Business (FOB), Ms. Shangeetha A/P Sukumaran and Ms. Yusliza Jamalut, postgraduate students from the Faculty of Management (FOM) were announced as winners for the Young Investigator Award at the YSN-ASM International Scientific Virtual Conference (ISVC) 2021.

Ms. Shangeetha won the Young Investigator Award for her paper titled "The Study of Factor Impacting the Cryptocurrency Adoption among Investors in Malaysia" for Track B, while Ms. Yusliza Jamalut emerged as the second runner-up for the same track for her paper titled "Factors Affecting E-commerce Adoption among Agricultural Micro Small Medium Enterprise (MSME). Aside from that, Mr. Tan, who bagged the first runner-up, presented his paper entitled "Adoption of Self-Service Technologies (SSTs) among Retail Consumers in Malaysia: Moving Towards a Resilient Retail Sector Post Covid-19" for Track D in a separate three-minute pitching session.

The virtual conference featured more than 500 poster presentations from 6 tracks namely Track A: Health & Well-Being, Track B: Business Economics, Track C: Engineering & Energy Transition, Track D: Social Sciences & Humanities, Track E: Environmental Sciences & Information Technology and Track F: Agriculture & Food Security. This inaugural conference was organised by the Young Scientist Network Malaysia (YSN) and Academy of Sciences Malaysia (ASM), while the event was participated by attendees from the United States, Germany, Jordan, Philippines, India, Singapore, Mali, Pakistan, and others.

MMU Takes 4 Gold Awards and 2 Best Category Awards at MTE 2021

Our Multimedia University representative teams bagged 4 gold medals, one Bronze medal, and 2 Best Category Awards under International Innovations Awards 2021 at the Malaysia Technology Expo 2021.

The virtual expo was held from 22nd March until 26th March 2021 and it was participated by public service organizations, manufacturing companies and technology firms, institutions of higher learning, researchers, and schools to showcase their innovations to the public.



Award	Researcher	Title
Gold	FIST	A Seamless Mobility for Vehicle to Vehicle Communication
Gold	FOE	Spiked Strip Ground Electrode Systems
Gold	FIST	Connected and Interactive Advertising Campaign (Connect-Interact)
Gold	FET	Surround Sensing-Based Water Wave Detector for Buoy
Bronze	FET	Self-Powered Multifunctional Lawnmower
Best Category (Electricity)	FOE	Spiked Strip Ground Electrode Systems
Best Category (ICT)	FIST	Connected and Interactive Advertising Campaign (Connect-Interact)

Three Successful FCM Alumni Appointed as Adjunct Professors



For the first time ever, the Faculty of Creative Multimedia (FCM) appointed its successful alumni as Adjunct Professors on 25 March 2021.

Three successful alumni were Mr. Mohd Nizam Abdul Razak, Managing Director of Animonsta Studios; Mr. Muhammad Usamah Zaid Yasin, Founder & Executive Director of WAU Animation Sdn Bhd, and Ms. Juhaidah Joemin, Managing Director of Giggle Garage Sdn Bhd.

The appointment was indeed an honour for the faculty as one of the strategy to achieve the university's vision in transforming society through innovation.

Prof. Dato' Dr. Mazliham Mohd Su'ud, President of MMU announced the appointment in an event, the FCM Alumni &



Mohd Nizam Abdul Razak



Juhaidah Joemin



Muhammad Usamah Zaid Yasin



Industry Networking Centre, and FCM Staff Appreciation Hi-Tea at Cyberjaya campus.

The event also witnessed the launching of the FCM Alumni & Industry Networking Centre, where this venue allocates office space for the adjunct professors to use for brainstorming sessions, presentations, and many other events. The event was also attended by the FCM staff for the appreciation hi-tea in recognizing the staff's effort towards the achievement attained by the faculty in 2020.

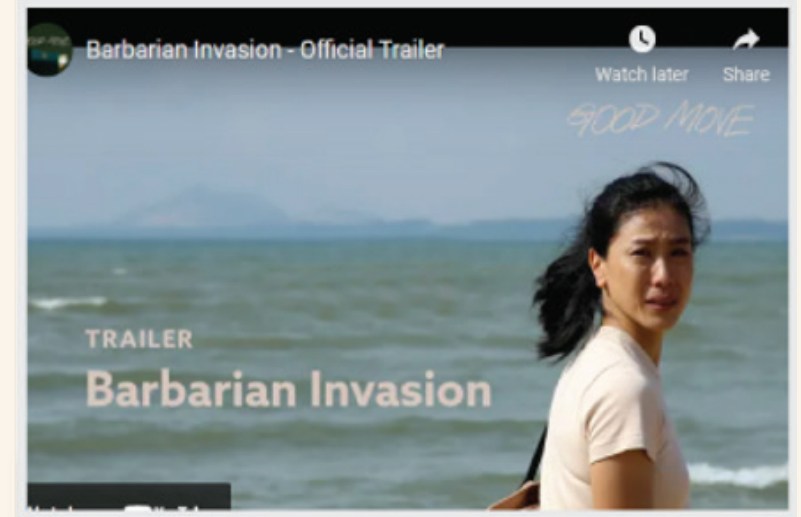
FCM Alumna Wins Jury Grand Prix prize at Golden Goblet Awards

MMU Permata Dunia, Ms. Tan Chui Mui won the Jury Grand Prix prize with her film "Barbarian Invasion" at the Golden Goblet Awards in China on 19th June 2021. Ms. Tan, who graduated with a Bachelor of Multimedia (Honours) (Film and Animation) from the Faculty of Creative Multimedia (FCM) in 2002.

In "Barbarian Invasion", Ms. Tan not only directed the film and wrote the script, but she also played the lead role. The film is the third feature film that was directed by her. The Golden Goblet Awards ceremony was held in conjunction with the 24th Shanghai International Film Festival, and the prize she attained was one of the two highest honours at the award ceremony.

Congratulations!

*Photo credit: The Star



MMU Alumnus Work Selected as one of China's 100 Most Influential International Academic Paper

MMU alumnus, Dr. Jingxiang Low, a Malaysian scientist made our nation proud when his working paper on solar energy conversion was selected as one of China's 100 Most Influential International Academic Papers, on January 2021. This achievement was announced by the Institute of Scientific and Technical Information of the Ministry of Science and Technology of China.

Dr. Low and his team are working together to discover how solar energy could be utilised to convert carbon dioxide into natural gas. The result will help to solve the global energy crisis and to realize the "carbon cycle". On top of that, the conversion also will be the guidance for industrial application in an effort to achieve the goals in the Paris Agreement on climate change. Dr. Low graduated from our university with an engineering degree in 2012, and he earned his Master's and Ph.D. degree in materials science from the Wuhan University of Technology, China. He is currently attached to the University of Science and Technology of China as an associate professor.



“The roots of education are bitter, but the fruit is sweet”
- Aristotle

MMU Serves as One of the Vaccination Centres in Melaka



The whole world was hit badly with the COVID-19 pandemic and we have been receiving news daily on the increase of the virus infections. Due to the upsurge on the Malaysians infected with the virus, our government has taken several steps to help curb the disease from spreading among all Malaysians. We at MMU are putting on our best effort to help restraint the deadly virus from spreading.

Thus, in an attempt to support the National COVID-19 Immunisation Programme (PICK), Multimedia University (MMU) Melaka campus is selected to be one of the Vaccination Centres (PPV)s starting from 16th June 2021. The MMU PPV is open from 8 a.m. until 6 p.m. for the vaccination rollout for community in the state of Melaka.

The idea of making MMU Melaka campus as PPV was suggested by the President of MMU Prof. Dato' Dr. Mazliham Mohd Su'ud, as part of the Corporate Social Responsibility (CSR) in assisting the government in running the national immunisation programme. The MMU PPV is capable of accommodating a total of 600 vaccine recipients at a time. It was also supported by 30 MMU staff to assist in terms of facility, safety, and hygiene matters.

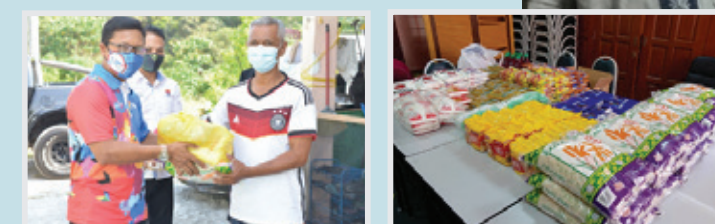


UCTC Helps the Needy during MCO

Student Experience & Entrepreneurship Development (SEED) through its University Community Transformation Centre (UCTC) together with the non-government organisation (NGO) gave away food and financial assistance to the local community in Dengkil, Banting and Cyberjaya, recently.

The aid was presented by Mr. Syahrul Amri, Sepang Authority Council member, and UCTC officer to 20 families and seven students. The aid worth RM2,280 was garnered from contribution from the MMU community, alumni, non-government organisation and others. The event was also witnessed by officers from NGO, UCTC and Surau Al Hidayah.

We hope that more efforts can be done to spread love and kindness especially during this trying period and help the community to face the challenge with a more positive attitude.



Serving the Community

250 Students Receive Food Aid from UCTC

University Community Transformation Centre (UCTC) through its Welfare Unit came to the rescue when they help to distribute food on a weekly basis to a total of 250 students as they were stranded at on and off-campus accommodations which made it impossible for them to go home during the lockdown period. The welfare unit took the initiatives to collect donations and ensure the aid reached the students.

Several government and private bodies as well as individuals from Cyberjaya supported this initiative. Among the bodies that

contributed to this effort were Abdullah Initiatives, Ministry of Domestic Trade and Consumer Affairs, Kembara Kitchen, Surau Al Hidayah (MMU Cyberjaya), and individuals from Cyberjaya community. On top of that, hygiene kits were also provided to the students, which was contributed by Mercy Malaysia, Melaka Chapter.

It was indeed a noble effort by all parties involved and the organiser thanked the donor for their generous contributions.



MMU Volunteers Distribute Mineral Water for COVID-19 Patients

Due to the alarming increase in COVID-19 patients nationwide, Sahabat Sukarelawan MMU has taken the initiative to assist in distributing 80 boxes of mineral water for the patients warded in Malacca General Hospital. The hospital needs at least 400 bottles of mineral water to be distributed among the patients per day. In order to help ease the burden, the volunteer team will continue providing food and mineral water for the patients.



Sahabat Sukarelawan MMU distributing mineral water to the hospital staff



Precious Moments for the University



Prof. Dato' Dr. Mazliham presenting a token of appreciation to Datuk Seri Utama Sulaiman Md Ali, Chief Minister of Melaka



Tun Siti Hasmah, the first MMU Chancellor received warm welcome from MMU President during her courtesy visit to Cyberjaya campus in April 2021



Hosting a visit from Saudi Mission Representative and its delegate members.



Launching of MMU Open Day on Beamer with the presence of e-Bee, the MMU mascot



Welcoming Prof. Datuk Dr. Syed Othman Hussin Alhabshi as the newly-appointed member of the Board of Governance (BOG) in his inaugural visit to Cyberjaya in March 2021.

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MULTIMEDIA UNIVERSITY [DU001(B)]

Cyberjaya Campus (Main)
Persiaran Multimedia,
63100 Cyberjaya, Selangor,
Malaysia

Melaka Campus
Jalan Ayer Keroh Lama,
75450 Melaka,
Malaysia

Get in touch

1 300 800 668

ccu@mmu.edu.my

[f mmumalaysia](#)
[@ mmumalaysia](#)

[t mmumalaysia](#)
[v mmumalaysiatv](#)

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