

# HIVE

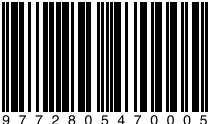
## Buzz

**MMU** Named Its Orchestra Group after **Tun Siti Hasmah** in conjunction with its **25th Anniversary**  
page - 4

**In-Vehicle** Active Monitoring Tool Promotes **Good Health & Well-Being** of road users  
page - 18

Getting International Recognition by Winning **Huawei ICT Competition 2021-2022** Global Final Awards  
page - 30

eISSN 2805-4709



www.mmu.edu.my

## Table of Content

3	<b>Editorial board</b> <ul style="list-style-type: none"> <li>- President's Foreword</li> <li>- Editorial Board</li> </ul>
4-6	<b>Cover Story</b> <ul style="list-style-type: none"> <li>- MMU Named Its Orchestra Group after Tun Siti Hasmah in conjunction with Its 25th Anniversary</li> </ul>
10-11	<b>Varsity Achievements</b> <ul style="list-style-type: none"> <li>- MMU Continues to be Ranked for Its Two Subject Areas in the QS World Ranking by Subject 2022</li> <li>- MMU Has Been Voted as One of the Employers' Preferred Universities</li> <li>- THE Ranks MMU #401-500 in Asia Rankings 2022</li> </ul>
12-17	<b>Highlights</b> <ul style="list-style-type: none"> <li>- MMU is Ranked at 401+ at THE Young University Rankings 2022</li> <li>- MMU Confers 13 Awards at 22nd Convocation Ceremony</li> <li>- MMU President Receives Award from the French Government</li> <li>- MMU Launches Its New Hybrid Learning Spaces, HySpace and HyFlex</li> <li>- "MMU BEAT" Brings Alumni and Leaders Together to Reminisce Memory</li> </ul>
18-28	<b>Staff's Achievement</b> <ul style="list-style-type: none"> <li>- <b>Invention and Technology</b> : In-Vehicle Active Monitoring Tool Promotes Good Health &amp; Well-Being of road users</li> <li>- MMU Researcher Receives Prestigious Award from IEEE</li> <li>- MMU Clinches 20 Medals and 2 Outstanding Awards at MTE 2022</li> <li>- <b>Invention and Technology</b> : Anti-Theft Electronic Wheel to ensure Vehicle Security</li> <li>- MMU Researchers Sweep 16 Medals at ITEX 2022</li> <li>- MMU Researchers Receive Over RM3 Million Grant at PETRONAS-ACADEMIA Collaboration Dialogue</li> <li>- <b>Invention and Technology</b> : Effective detection using Automatic Data Acquisition System for Fingerprinting-Based Indoor Positioning In-Vehicle active monitoring tool</li> <li>- MMU Staff Wins the Best Male Participants in the 24th National Olympic Academy (NOA) for Young Participants 2022</li> <li>- Dr. Sharmini Bags Nobel Women Achiever Award</li> </ul>
30-36	<b>Student Success Stories</b> <ul style="list-style-type: none"> <li>- Getting International Recognition by Winning Huawei ICT Competition 2021-2022 Global Final Awards</li> <li>- Lim Min Ying Leads Champion Team and Wins Top 10 Best Individuals at Huawei Malaysia Sales Elite Challenge</li> <li>- IEEE MMU Student Branch Wins 5 Awards at 2022 IEEE Malaysia AGM</li> <li>- MMU Team Emerges Champion in Liga Debat CVF 20/21</li> <li>- Tan Li Ting and Chua Jie Tien, Our Chess Players Representing Malaysia in Sea Games</li> <li>- SRC President wins the Asia Women SDGs Inspire Award 2022</li> <li>- MMU Students Clinch Gold and Silver Medals at Kejohanan Sukan Raket IPT 2022</li> <li>- MMU Team Emerges as Champion in SAMCO 2022</li> <li>- ICAEW Honours 8 MMU Students with ICAEW Malaysia Prizes</li> </ul>
38-42	<b>Happenings</b>





Dear Readers,

We have now completed the first half of the year 2022, and we have witnessed some incredible efforts and exceptional achievements from the MMU community. 2022 is a very significant year, as we are celebrating our 25th anniversary of our establishment as the first Malaysian private tertiary institution. I am proud of the commitment that has been shown by our staff and students so far. They have proven to be quite adept at rising to the challenges we have faced as a leading education provider.

In commemorating our 25th anniversary, the University has organised MMU Beat, a talk series featuring our leaders as well as successful alumni. In addition, MMU also launched the Siti Hasmah Symphony Orchestra, named after our beloved first Chancellor, Tun Dr. Siti Hasmah Mohamad Ali, who performed three songs with her violin during the launch.

One remarkable achievement by the university in 2022 was MMU being voted as one of the Preferred Universities among Malaysian Employers. It scored the highest ratings of 6 Stars in the Employability Ratings for Communication & Broadcasting, Computing & IT, Electrical and Electronics Engineering, and Mechanical Engineering. These results were based on a survey conducted by TalentBank, which measured how our academic offerings prepare our students to be ready for the industries. This is a huge testament to the quality of our syllabus. I feel that it puts us in a better position in producing more digital leaders in the future.

We are also proud that MMU citizens have managed to secure numerous accolades and awards at the national and international levels. MMU researchers won 20 medals and 2 special awards at the recent Malaysia Technology Expo 2022, and then 16 medals at ITEX 2022. On the other hand, a number of our students have also emerged victorious. Some were crowned champions in competitions, while some even represented Malaysia at the SEA Games 2022. Of special note, I am delighted with the recent achievement by our students at the Huawei Global ICT Competition 2022, in which they faced opponents from

“ One remarkable achievement by the university in 2022 was MMU being voted as one of the Preferred Universities among Malaysian Employers. It scored the highest ratings of 6 Stars in the Employability Ratings for Communication & Broadcasting, Computing & IT, Electrical and Electronics Engineering, ”

different countries.

I would like to commend the MMU community for always being resilient and dedicated in creating milestones for the university. As we continue to work towards achieving our target for 2022, let us embrace the challenge together and turn it into an opportunity. We can always achieve greater things together!

Keep on reading for interesting stories in this edition.

Thank you.

**Prof. Dato' Dr. Mazliham Mohd Su'ud**  
President/CEO of Multimedia University



### Editorial Board

#### Patron

Prof. Dato' Dr. Mazliham Mohd. Su'ud

#### Advisor

Zambri Pawanchik

#### Editors

Abdul Lazi Nordin  
Sahbulah Mohamad Darwi  
Nor Asmah Othman  
Nur Izyan Ismail  
Hefni Izzat Abdul Rahim

#### Contributors

Ts. Dr. Siti Fatimah Abdul Razak  
Ir. Dr. Shashikumar A/L Krishnan  
Dr. Yeo Boon Chin  
Dr. Ng Kok Why  
Selwyn Darryl Kessler  
Loo Wei Xiang  
Wong Ee Thiing

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 Saaïdan Kadri

Published on July 2022

# MMU Named Its Orchestra G after Tun Siti Hasmah in conjunction with Its 25th Anniversary



25.06.2022  
Dewan Tun Canselor  
Multimedia University  
Cyberjaya



# Group Conjunction



**M**ultimedia University (MMU) hit two monumental milestones in its history on 25th June 2022. It celebrated its 25th year of establishment, as well as set on a path it had never gone down before in terms of student development by holding its very own symphony orchestra concert.

The orchestra group is named after MMU's Founding Chancellor, Yang Amat Berbahagia Tun Dr Siti Hasmah Mohd Ali, known as MMU Siti Hasmah Symphony Orchestra (MMU SHSO). The idea to establish this orchestra group was sparked during a discussion between Tun Siti and MMU's Chancellor, Yang Amat Berbahagia Tun Zaki Tun Azmi, during an event in MMU in 2019.

They chose the orchestra since it would greatly broaden the outlook of the students. While the love of music is universal, the orchestra is not a common endeavour in Malaysian culture, and those who dabble in it would have to go beyond their comfort zone, which is an important aspect of nurturing growth.

President of MMU, Professor Dato' Dr. Mazliham Mohd Su'ud, was very enthusiastic about the concert, saying that it was brilliant, both as a way of commemorating the university's 25th anniversary, as well as an extra-curricular activity for the students.

"Since we are commemorating the university's 25th year, I think a symphony orchestra is a perfect way of celebrating," he said. "Orchestra music has all the elements of a great celebration; it brings joy to those who hear it, it offers purity in its melodies and has great fanfare, and it entertains without the distractions commonly seen in modern and popular music."

The performance that night was a collaboration between the MMU SHSO and the Triplet Orchestra, which consists of the Monash Chamber Orchestra, the Sunway University Ensemble and the Taylor's Symphony Orchestra.

Although Tun Siti had a front-row seat to the concert, she wasn't content to just listen to the performance. Tun Siti took the opportunity to play her violin together with the ensemble, delivering two pieces, Por Una Cabeza and Suci Dalam Debu. The audience then requested for another performance and Tun Siti presented another piece, Besame Mucho.









For Prof. Mazliham, it was a moving moment, in the sense that the university was vindicated once more in its approach to student development.

"Our students are always breaking new grounds, and with the inaugural concert, they have attested that MMU students have gone beyond what is in their comfort zone. They are good at learning, definitely, but they are capable of so much more, and are ready for the world," Prof Mazliham said.

In addition to Tun Siti, the concert was attended by MMU's Chancellor, Tun Zaki Tun Azmi; former Prime Minister, Yang Amat Berbahagia Tun Mahathir bin Mohamed; MMU's Pro Chancellor, Yang Berbahagia

Academician Professor Tan Sri Zakri Abdul Hamid, and other honourable guests that were invited to be part of the memorable night at Dewan Tun Canselor, MMU Cyberjaya.

Tun Zaki Tun Azmi, expressed his happiness as this was the first Western Orchestra organised by the university as a platform to cultivate the love of classical music by showcasing their talents.

"I feel very blessed to be here. Tonight, not only will we be commemorating history by celebrating MMU's 25 anniversary, but we will also witness new history being made. For the first time ever in MMU, we will be treated to a live performance of some of the most recognisable and moving musical scores this globalized world has to offer" Tun Zaki said.

He also extends his gratitude to Tun Siti for gracing the event with her violin performance, "I would like to express my gratitude to Yang Amat Berbahagia Tun Dr Siti Hasmah Haji Mohd Ali, for being so kind as to grace us with two songs on her violin. Thank you, Tun Siti, for continuing to be the inspiration to us all here in MMU."

The MMU Siti Hasmah Symphony Orchestra is officially established under Multimedia University Music Society (MMUSIC) in 2019. Before its establishment, MMUSIC society has successfully organised various events including the Violin Workshop, Music Trip and Busking sessions.







# MMU Continues to be Ranked for Its Two Subject Areas in the QS World Ranking by Subject 2022

Multimedia University (MMU) has been named as one of the world's top universities for its two subject areas, Engineering-Electrical & Electronic, and Computer Science & Information Systems in the Quacquarelli Symonds (QS) World University Rankings by Subject 2022. The result was released by QS on 6 April 2022.

This is a continuation of the previous year's ranking, as MMU was placed in the 351-400 band for Engineering – Electrical & Electronic, and in the 451-500 band for Computer Science & Information Systems. Let us work together and continue to keep soaring higher!



## MMU Has Been Voted as One of the Employers' Preferred Universities



Another remarkable achievement for the university was when MMU has been voted as one of the Employers' Preferred Universities. The result was based on a survey, which was conducted by Talentbank, to gauge the employability rate of graduates from universities nationwide.

As a result, MMU received the highest score of 6 Stars Employability Rating in Communication & Broadcasting, Computing & IT, Electrical and Electronics Engineering, and Mechanical Engineering. We also achieved 5 Stars Employability Rating in other domains including Accounting, Advertising, Arts & Design, Banking, Business Management, Economics, Human Resource Management, and Law.

This achievement reflects the university's direction in producing highly sought-after graduates that meet the industry's needs.



# THE Ranks MMU #401-500 in Asia Rankings 2022

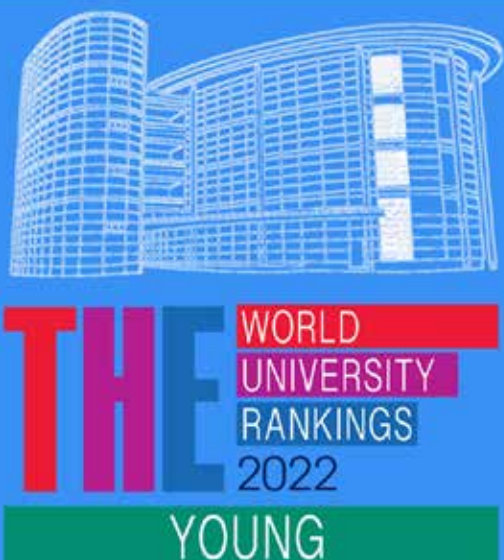


We are ranked at 401- 500

MMU remains strong in the Times Higher Education (THE) Asia Rankings for the year 2022. The university is ranked at 401-500 among universities across Asia according to the release by THE on 1st June 2022.

The Asia University Rankings utilise carefully calibrated performance indicators in teaching, research, citations, international outlook and industry income that reflect the priorities of Asian institutions to provide the most comprehensive and balanced comparisons, trusted by students, academics, university leaders, industry and governments.

This attainment is made possible by the collective effort of the entire MMU community as we work towards our university's vision of transforming society through innovation that is duly supported by the bold MMU PLUS U strategy. Let's continue to work together and intensify our efforts in leading the digital future.



We are Ranked at 401+

## MMU is Ranked at 401+ at THE Young University Rankings 2022

Times Higher Education (THE) has released its Young University Rankings 2022 on 15 February 2022, and our university is ranked at 401+. The rankings assess the world's best universities that are 50 years old or younger.

MMU will always remain consistent and committed to providing the excellent tertiary education for our future digital leaders. As we are celebrating our 25th anniversary this year, let us continue to do our best in transforming society through innovation as well as keep on leading the education industry in Malaysia.

# MMU Confers **13 Awards** at 22



A total of 13 Permata Dunia was conferred with awards including the President's Award and the highest accolade, the Chancellor's Award at the 22nd Convocation Ceremony. The ceremony was held from 19 March until 21 March 2022 in celebrating the graduation of the Class of 2021.

Following the strict adherence to the Standard Operating Procedure (SOP), the award recipients were among 3,584 graduates, who received their scrolls from Tun Dato' Seri Zaki Tun Azmi, Chancellor and Academician Prof. Tan Sri Dr. Zakri Abdul Hamid, Pro-Chancellor of the university. Prof. Dato' Dr. Mazliham Mohd Su'ud, President of MMU also delivered his congratulatory note to the graduates during the ceremony.

During the first session of the ceremony, Teo Yar Lee, a graduate of Bachelor in Engineering (Hons.) Electrical was awarded with Chancellor's Award while Muhammad Anwar Abd. Saamad, graduate of Bachelor of Finance (Hons.) and Lim Zhou Yi, graduate of Bachelor of Computer Science (Artificial Intelligence) were announced as President's Award recipients. The session also witnessed the announcement of Permata Award recipients from each faculty, who have shown excellent curricular and extracurricular during their study time.

It was a unique and historical moment when the university decided to hold two convocation ceremonies over consecutive weekends as the 21st Convocation Ceremony was held from 12 March until 13 March in celebrating 2,839 graduates of the Class of 2020. Congratulations to all award recipients as well as Class of 2021 graduates!





# and Convocation Ceremony





# MMU President Receives Award from the French Government



It is another proud moment for the university when Prof. Dato' Dr. Mazliham Mohd Su'ud, our President was conferred with 'Chevalier de la Legion D'Honneur Award by His Excellency Mr. Roland Galharague, the Ambassador of France to Malaysia on 19th May 2022 at MMU, Cyberjaya campus.

The conferment of the award is to honour the most deserving individual in various fields of activity. This award recognises Prof. Dato' for his contributions especially in the field of education as well as the collaboration between Malaysia and France. Several delegates from France as well as guests from Universiti Kuala Lumpur (UniKL) and MMU officials attended the ceremony.

Congratulations to Prof. Mazliham on this accomplishment and may his leadership steer MMU to greater heights!





# MMU Launches Its New Hybrid Learning Spaces, HySpace and HyFlex



As hybrid learning is part of the teaching and learning methods, the implementation of physical and online learning will definitely provide new experiences to the students. On 20 January 2022, Prof. Dato' Dr. Mazliham Mohd Su'ud, the President of MMU launched new hybrid learning spaces, HySpace and HyFlex at the Faculty of Engineering with the presence of Mr. Gih Thih Liang, Senior Director of Qualcomm Malaysia Sdn. Bhd. HySpace is Hybrid Classroom Space for effective physical and virtual learning, while HyFlex is a Hybrid and Flexible Learning space meant for 21st century highly collaborative teaching and learning. The system includes Qualcomm Technologies' Education -as-a-Service (IoTaaS), which is comprised of hardware and software to be used by the MMU community.

The learning spaces are in line with MMU's role as the High-Tech Education Sandbox, where MMU and Malaysian Global

Innovation and Creativity Centre (MaGIC), the lead secretariat of the National Technology and Innovation Sandbox (NTIS) has collaborated to pave the way for MMU to focus on the solutions that can contribute to improving the effectiveness of teaching and learning pedagogies in hybrid-mode as well as preparing a highly competent and productive workforce with strong leadership and critical thinking hands-on technological skills.

Led by the Centre for Lifelong Education and Learning Innovation (LEARN) and Learning Innovation Department, more flexible and hybrid learning spaces to be implemented in both Cyberjaya and Melaka campuses by 2023. Also attending the event were Prof. Dr. Ho Chin Kuan, Vice President of Academic and International Relations; Prof. Dr. Wong Chee Onn, Director of LEARN; representatives from Qualcomm Malaysia Sdn. Bhd, management committee members, academic staff, and students.





# “MMU BEAT”

## Brings Alumni and Leaders Together to Reminisce Memory



In commemorating its 25th anniversary celebration, MMU hosted its second episode of 'MMU Beat' which featured successful alumni and previous leaders of MMU. On 10 February 2022, Mr. Cheng Zhang Yi, the Founder of ZY Digital Productions, and two sisters behind the fashion label Mimpikita, Ms. Nurul Afidah Zulkifli and Amirah Hanis Zulkifli were invited the guest panellists.

Prof. Dato' Dr. Mazliham Mohd Su'ud, the President of MMU also present at the talk show and share on MMU's development as well as MMU Plus U's aspiration to the audience during a segment in the show. In short, the one-hour show highlighted the success stories of the alumni on how they ventured into their respective career pathways as well as reminisced their memories when they were studying at the university.





The third episode of MMU Beat featured the former and current leaders of MMU sharing their journey in steering the university to greater heights. Prof. Tan Sri Dr. Ghauth Jasmon, the first President; Prof. Emeritus Dr. Zaharin Yusoff, the second President; Prof. Datuk Ts. Ahmad Rafi Mohd Eshaq, the fourth President and Prof. Dato' Dr. Mazliham Mohd Su'ud, the current president shared their vision and the university's journey to where it is today.

It was a special event where it was also attended by staff and students of MMU at Sound Stage, Faculty of Cinematic Arts (FCA) to watch the show live. The audience also had the opportunity to capture their moment together with the leaders. Hosted by our Permata Dunia, Mr. Amirul Izzat Hasri, the show was streamed live via MMU's official social media platforms.





# In-Vehicle Active Monitoring Tool

## Promotes Good Health & Well-Being of road users



Road accidents are one of the leading causes of death in the country. A decade ago, Malaysia was recorded an average of 6,540 deaths a year from road accidents. It is estimated that the death of a user on the road carrying financial implications of up to RM3.12 million, which is equivalent with a loss of almost RM19.7 billion a year to our country.

Human behavior, that include drunk driving or driving under the influence, is among the factors that contribute to the road accidents.

To help the nation in solving the issue, MMU lecturer, Ts. Dr. Siti Fatimah Abdul Razak, who is the Deputy Dean Faculty of Information Science and Technology (FIST), together with her team members, Ts. Sumendra Yogarayan, Ts. Mohd Fikri Azli Abdullah and Associate Prof. Dr. Afizan Azman have invented In-Vehicle Active Monitoring Tool to promote a good health & well-being of road users. The invention has received Gold Award in Invention, Innovation & Technology Exhibition (ITEX 2022) on 26 & 27 May 2022 at Kuala Lumpur Convention Centre.

Dr. Siti Fatimah (SF) has shared her insight with HIVE BUZZ (HB) in a short interview to highlight the details of the award-winning invention.







*From left : Ts. Sumendra Yogarayan, Ts. Dr. Siti Fatimah Abdul Razak, Associate Prof. Dr. Afizan Azman (KUIM) and Ts. Mohd Fikri Azli Abdullah*

**HB: Could you tell us more about the invention, In-Vehicle Active Monitoring Tool?**

SF: This invention was developed to monitor driver's heart rate and alcohol level during a driving experience. In an event of possible risk derived from drunk driving or health problem, the driver's emergency contact will be notified automatically. The invention allows drivers to take precautionary actions and may avoid potential road accidents.

Before I go any further, for this invention, I would like to record my appreciation to my team Ts. Sumendra Yogarayan, Ts. Mohd Fikri Azli Abdullah and Associate Prof. Dr. Afizan Azman for the hard work and undivided support in making the project materialized.

**HB: What are the unique features of this invention?**

SF: This invention is a fusion of Heart Rate and Alcohol Level Monitoring. The information is stored for insurance purposes. It plays a role in mitigating risks of road accidents.

**HB: Technically, how does the invention works?**

SF: Basically, sensors are placed at the steering wheel of the vehicle which will continuously transmit data to the microprocessor. The sensors are positioned at 9-3 steering wheel position which

is recommended for safe driving. If the transmitted data exceeds a predefined threshold value, an audible alert will be triggered and SMS notification will be sent to the registered close contact number of the driver. The driver can take precautionary actions by stopping by the road side and at the same time, close contacts will be able to check on the driver's status.

**HB: With this invention, what is the target that your team would want to achieve?**

SF: The invention contributes the nations aim to reduce road fatalities by 50% by year 2030 and provide safer road environment as in the Malaysia Road Safety Plan 2022-2030.

**HB: How do you see the invention on potential commercialization prospect?**

SF: There is opportunity to commercialize this invention for not only passenger vehicles but also for commercial or heavy vehicles such as buses, lorries and tanks. The invention aims to be low cost but effective in monitoring the driver alertness to curb road accidents.

**HB: Besides ITEX 2022, has the invention secured any other achievement thus far?**

SF: We are pleased to mention that, this invention also secured Special Award in ITEX-WYIE2022 from Indonesian Invention and Innovation Promotion Association (INNOPA).



**HB: The invention has been patented?**

SF: Yes, its copyright affirmed in year 2021.

**HB: Maybe, a little bit of yourself. Could you share about your area of research?**

SF: My area of research is mainly about vehicle safety applications, advanced driver assistance systems, driver behaviour, intelligent transportation system, vehicle-to-vehicle communication, artificial intelligence, data mining.

I have produced about 12 inventions so far including Method and System for Evaluation of Physiological and Psychological State of a Vehicle Driver, In-vehicle Alcohol Monitoring Tool, In-Vehicle Air Quality Monitoring Tool, Driver Assistance System for Lane Changing, Early Flood Detection and Warning Tool and Blockchain based Voting System for Students Representative Council. My inspiration is to promote good health and well-being of drivers and road users through low cost in-vehicle applications. I feel thankful to MMU for few recognitions thus far, for example, RMC's Researcher of the Month among FIST Faculty members for 9 times (2019-2022).

# MMU Researcher Receives Prestigious Award from IEEE



Assoc. Prof Dr Mardeni Roslee, Deputy Director from Research Management Centre (RMC) and also an academic staff from the Faculty of Engineering (FOE) was honoured to be awarded the "IEEE Malaysia Section Outstanding Volunteer Award" recently. The official ceremony was held physically at the 32nd IEEE Malaysia Annual General Meeting at Kuala Lumpur Convention Centre, Kuala Lumpur.

There were 38 evaluators from Region 10, regional section chairs and Malaysia Section which received 202 individual evaluations. The prestigious award is honoured given based on his exemplary leadership of the IEEE Malaysia Communication Society and Vehicular Technology Society Chapter for (2019-2020 Chair and 2021 Past Chair/Advisor). He successfully led the Malaysia

Chapter and was awarded the "IEEE Malaysia Outstanding Large Chapter Award" for 2 consecutive years, 2019 and 2020. He was also invited as Keynote Speaker for more than ten International Conferences worldwide and served as General Chair for five International Conferences. He has been invited by IEEE international conference as an Invited Speaker worldwide in the field of Wireless Communication in Thailand, China, Australia, Korea, Indonesia, Singapore, Japan, French, the United Kingdom, Spain, Canada, New Zealand, Romania, India and Turkey. In 2020, he was awarded the Top Research Scientist in Malaysia by the Academy of Science Malaysia (ASM).

The IEEE Malaysia Section Outstanding Volunteer Award aims to recognise volunteers who have made outstanding

contributions to a particular Chapter, IEEE Malaysia Section and Region. Among others, the candidate for the award needs to demonstrate administrative abilities and leadership skills, carry out new ideas, development of projects which have significantly benefited the Chapter, Section and Region. The award recognised him for the highest excellence towards strengthening the implementation of the chapter performance as well as an outstanding contribution in furthering the Engineering professional association which is internationally recognized. Furthermore, Assoc. Prof. Dr. Mardeni was one of the only recipients of this prestigious IEEE Malaysia Section award this year in Malaysia.



# MMU Clinches 20 Medals and 2 Outstanding Awards at MTE 2022



Our researchers won 7 Gold Award, 7 Silver Award and 6 Bronze Award at the 21st Malaysia Technology Expo (MTE) 2022. Held virtually from 21st until 25th March 2022, the event received 443 innovation entries from 18 countries. The event also aimed at continuing to inspire, educate, and raise up young inventors and innovators in creating the next generation of technopreneurs for the future.

The list of winners from MMU are as follows:

Gold Award	
Title of Entry	Team Leader Name
Automatic Data Acquisition System for Fingerprinting Based Indoor Positioning	Dr. Yeo Boon Chin
Repurposed Electric Vehicle Batteries for Standalone Street Lights	Ir. Assoc. Prof. Dr. Gobbi Ramasamy
A Deep Learning Method for Detecting Inappropriate Contents in Visual Media	Prof. Ir. Dr. Hezerul Abdul Karim
Built-in Self-scaling Method for Road Roughness Classification	Assoc. Prof. Dr. Ir. Tan Ai Hui
Left and Right Brain Balancing Application with EEG Biofeedback System	Prof. Ts. Dr. Tan Shing Chiang
Malaysian Banknotes Reader Featuring Counterfeit Detection for RM1 and RM5 Using Front-Backlight Mechanism and Image Processing Techniques	Ir. Dr. Wong Wai Kit
Form Recognition and Optical Character Recognition for Claims Automation	Prof. Ir. Dr. Hezerul Abdul Karim



Silver Award	
Title of Entry	Team Leader Name
Automated Self-Optimization Handover For Throughput Maximization In 5G Networks	Assoc. Prof. Dr. Mardeni Roslee
Intelligent Resource Allocation For Downlink Noma in Velocity Based Cellular 5G Networks	Assoc. Prof. Dr. Mardeni Roslee
3D Indoor University/Building Map	Ts. Dr. Goh Pey Yun
Air Quality Monitoring Tool for Passenger Vehicles	Ts. Dr. Siti Fatimah Abdul Razak
In-Vehicle Active Monitoring Tool	Ts. Dr. Siti Fatimah Abdul Razak
Real Time Distortion Classification and Ranking for Laparoscopic Video	Prof. Ir. Dr. Hezerul Abdul Karim
Vision-Based Halal Logo Recognition	Ts. Dr. Noramiza Hashim

Bronze Award	
Title of Entry	Team Leader Name
A Multifunctional Stepladder	Assoc. Prof. Ir. Ts. Dr. Ng Poh Kiat
The "new normal" with age friendly time-banking	Dr. Tan Swee Leng
The Hustler BoardGame	Mr. Vincent Chan
Sagolicious	Mr. Vincent Chan
OGAE	Mr. Vincent Chan
Edusprout	Ms. Diyana Mahad

# Anti-Theft Electronic Wheel to ensure Vehicle Security



The rate of car theft decreased over the past few years due to modern technology. Nowadays, thieves aim for a car's wheel rim because it has the least security among all the parts of the vehicle and can cost up to thousand ringgits. Thus, it is compulsory to enhance the security of a car's wheel rim to curb the issue.

A lecturer of Faculty of Engineering (FOE), Ir. Dr. Shashikumar A/L Krishnan has found a solution for this problem through his invention, Electronic Wheel Monitoring System (EWMS). The EWS is effectively capable of sending warning notifications and alarming the owner when the thief tries to hijack the wheel rim is presented. Thus, the EWMS also can be used as vehicle wheel logger system to ensure the data recorded been validated by an artificial intelligence (AI) for fault detection in detecting and warning for earlier wear-tear of tyres, damaged rim, and coil, works as lug nut security and detects pressure of tyre.

HIVE Buzz (HB) has the chance to interview Ir. Dr. Shashikumar (SK) recently after the success of EWMS in securing Gold Medal in the 33rd International Invention, Innovation and Technology Exhibition 2022 (ITEX 2022) in May 2022.

## HB: Could you please describe your invention?

SK: The novel Electronic Wheel Monitoring System (EWMS) has been developed at Multimedia University. This project was a new idea and very relevant to current development in vehicles technology that was awarded Gold during by the Society of Automotive Engineers Malaysia International Innovation Exhibition 2021 (SAEM-IIE). The EWMS is a Plug and Play (PnP) type that could be easily serviced during the tyre maintenance rotation swap for each 10,000km drive. The device can do multiple things at one time replacing other devices like the Tyre Pressure Monitor (TPM).

## HB: How does the invention operates?

SK: The invention has sensors, battery, wireless node and microprocessor in each disk. Artificial Intelligence (Ai) used to extract crucial information that was stored by the xyz sensor in the four disks.. When in parked mode, they communicate wirelessly to the user phone GPS and text data if there is a shock to the rim



alerting theft. When in drive mode, the four disks communicate to the dashboard module alerting warning of TPMS, Tire Wear and Balancing. The logger in the dashboard also stores the road conditions of that trip. Where this data can be abstracted by navigation providers to alert other users.

## HB: What are the unique futures of EWMS?

SK: EWMS is unique futures include the Rim Anti-Theft Monitoring and Warning System, Tyre Pressure Monitoring and Pre-Warning System, Tyre Tread Integrity Monitoring & Pre-Warning System, Rim Balancing Monitoring & Pre-Warning System, and Autonomous & Driver Predicative Road Condition Monitoring & Pre-Warning System.

We need four EWM to be installed in a vehicle for each wheel. They disk shape and are placed in between the break hub and the wheel rim. There are plenty of space in the hub for battery, processor and sensors for future improvement compared to TPM that have limited space due to nature of placement in the tyre itself.

## HB: Any potential collaboration thus far?

SK: The automotive wheel market size exceeded USD 121 billion in 2019, this includes rims and tires. The global automotive wheel rims market size was USD 19.18 billion in 2020 and expected to projected to reach USD 33.33 billion by 2026. In Asia Pacific the automotive wheel rims market size was USD 10 billion in 2019 alone.



If we take Asia Pacific alone and project that 10% consumers are using high end rims, then the market size would be USD 1 Billion. And this high-end sport rims cost around USD 2000 per set. Would result in sales 50,000 per year. With each module profit margin of USD100 results in 5 million profit per year.

This project started with the grant from Spin-off MMU. The product could be commercialized as before market or aftermarket of vehicle manufacturers. Furthermore, it could be marketed to tyre manufactures, autonomous driver vehicle manufactures and to navigation developers.

**HB: What are the possible commercial applications for this technology?**

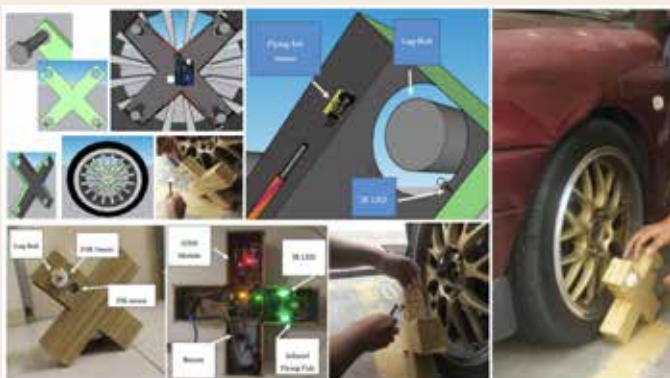
SK: This product could be incorporated as aftermarket Plug and Play (PnP) accessory for vehicles. This produce also can be incorporated during production of the vehicles. It is a PnP accessory that alerts users in advance of possible vehicle wheel theft It has safety features that will warns abnormality of wheel alignment and stress during drive. It can also replace the current market Tyre pressure monitoring system (TPS).

**HB: Besides winning Gold Award in ITEX 2022, does this invention received other award thus far?**

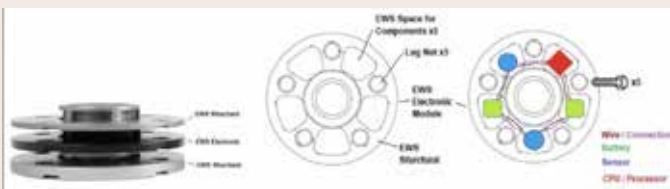
SK: EWMS also received Gold Award in Society of Automotive Engineers Malaysia International Innovation Exhibition 2021 (SAEM-IIE).

**HB: Any information that you would like to add?**

SK: This project was made possible due to the Spin-Off Grant by Multimedia University Cyberjaya Malaysia to the main author. It was patented in year 2022. For more details, please visit MMU IP Mall (TRL 3) at website: [https://ipmall.mmu.edu.my/Invention\\_All\\_Cat\\_byCat.html](https://ipmall.mmu.edu.my/Invention_All_Cat_byCat.html) or Youtube: <https://www.youtube.com/watch?v=3t7-EOP3j-0>



**First Prototype**



**Second Prototype**



## SHORT BIO

Ir. Dr. Shashikumar A/L Krishnan is a Professional Engineer member in IEM and BEM majoring Electronics. He obtained Ph.D. degree in electrical engineering at Multimedia University, Melaka, Malaysia in 2019. He has received the MSc. Degree in Power Electrical from University Putra Malaysia in Serdang, Malaysia in 2008. He's a lecturer at Multimedia University since 2009 and has over 15 years of teaching experience and project supervision over 100 students. He is a professional engineer with depth hardware and software knowledge. His research interest includes in variation of fields telecommunication, electrical, electronics, automotive, automation, artificial intelligent and many more as he has studied and majored in many fields. He is active in research and have also obtain multiple gold award for his inventions.



## Ir. Dr. Shashikumar A/L Krishnan

PhD. Electrical at (MMU) 2019,  
PEng. Profesional Engineer Electronics (BEM) 2017,  
MSc. Power Electrical (UPM) 2008,  
BEng. Hons. Electronics (MMU) 2002,  
BTec. HND. Electronics & Electrical (KBU twin Nottingham Trend) 1998,  
CTec. Telecommunication (Polytechnic PD) 1996,  
Tec. SPMV Electronics (Technical School NT) 1993.

# MMU Researchers Sweep 16 Medals at ITEX 2022

MMU took home 16 medals at the 33rd International Invention, Innovation and Technology Exhibition 2022 (ITEX 2022) that was held from 26 May until 27 May 2022. Our researchers grabbed 6 gold medals, 8 silver, and another 2 bronze medals during the closing ceremony at Kuala Lumpur Convention Centre (KLCC).

Adopting a hybrid model of an online and physical exhibition this year, ITEX 2022 received close to 500 inventions from participants across 15 countries. Jointly organised by MINDS and C.I.S Network Sdn Bhd, the theme for this year was 'Beyond Invention'.

On top of that, one of the teams that received a gold medal also bagged a Special Award from the Indonesian Invention and Innovation Promotion Association (INNOPA) for their invention titled "In-Vehicle Active Monitoring Tool". The team was led by Ts. Dr. Siti Fatimah Abdul Razak

The following is a list of medal winners from MMU:

GOLD MEDAL		
Project Leader	Project Member(s)	Project Title
Dr. Yeo Boon Chin, FET	1. Mr. Alvin Chong Ming Song, FET 2. Assoc. Prof. Dr. Lim Way Soong, FET	Automatic Data Acquisition System for Fingerprinting Based Indoor Positioning
Ts. Dr. Siti Fatimah Abdul Razak, FIST	1. Ts. Sumendra Yogarayan, FIST 2. Prof. Madya. Ts. Dr. Afizan Azman, Universiti Melaka 3. Ts. Mohd. Fikri Azli Abdullah, FIST	Performance Enhancement of Routing Protocol for Quality of Service Support in Vehicular Ad Hoc Networks (VANETs)
Ts. Dr. Siti Fatimah Abdul Razak, FIST	1. Ts. Sumendra Yogarayan, FIST 2. Prof. Madya. Ts. Dr. Afizan Azman, Universiti Melaka 3. Ts. Mohd. Fikri Azli Abdullah, FIST	In-Vehicle Active Monitoring Tool
Ir. Dr. Shashikumar A/L Krishnan, FOE	–	Plug and Play Electronic Wheel Security for Vehicles
Assoc. Prof. Dr. Chua Sook Ling, FCI	1. Dr. Foo Lee Kien, FCI 2. Mr. Chan Jin Xuan, FCI	ChatWithMe
Assoc. Prof. Ir. Dr. Ng Poh Kiat, FET	1. Mr. Gan Kah Wei, FET 2. Dr. Liew Kia Wai, FET 3. Dr. Yeow Jian Ai, FOB	A Multifunctional Stepladder for the Elderly and Caregivers



SILVER MEDAL		
Project Leader	Project Member(s)	Project Title
Mr. Vincent Chan, FOB	1. Mr. Tai Hen Toong, FOB 2. Dr. Yeow Jian Ai, FOB 3. Mr. Cedric Choong Ee Chun, INTI International University & Colleges 4. Mr. Lim Siok Jin, New Era University College	The Hustler BoardGame
Ir. Dr. Siow Chun Lim, FOE	1. Mr. Abdulaziz Khalid Eid, FOE 2. Dr. Ngu Eng Eng, FOE	Smart Household Energy Monitoring System (SHEMS)
Ir. Assoc. Prof Dr. Gobbi Ramasamy, FOE	1. Ir. Dr. Siva Priya Thiagarajah, FOE 2. Dr. Ngu Eng Eng, FOE 3. Hussein Saleh Mohammed Haram, FOE 4. Ms. Lee Jia Woon, FOE	Repurposed Electric Vehicle Batteries for Standalone Street Lights
Assoc. Prof. Dr. Chua Sook Ling, FCI	1. Dr. Foo Lee Kien, FCI 2. Mr. Omar Challaf, FCI 3. Mr. Yoong Yih Jian, FCI	SpotTrip
Dr. Foo Lee Kien, FCI	1. Assoc. Prof. Dr. Chua Sook Ling, FCI 2. Mr. Ahmed Sanad, FCI 3. Ms. Lim Siew Ling, FCI	Around
Assoc. Prof. Dr. Mardeni Roslee, FOE	1. Mr. Osama Abu Ajwa, FOE 2. Dr. Zubaida Yusoff, FOE 3. En. Khairil Anuar, FOE 4. En. Shazrulnizam Huzairi Md Hashim, FOE	Throughput and Fairness Trade-Off in NOMA System for 5G Seamless Connection
Assoc. Prof. Dr. Mardeni Roslee, FOE	1. Abdullah H. Al -quhali, FOE 2. Prof. Dr. Mohamad Yusoff Alias, FOE 3. En. Khairil Anuar, FOE 4. En. Shazrulnizam Huzairi Md Hashim, FOE	Efficient D2D Spectrum Utilization Algorithm Velocity Based of 5G Network
Dr. Cham Chin Lee, FOE	1. Assoc. Prof. Dr. Tan Ai Hui, FOE 2. Prof. Zulfadzli Yusoff, FOE 3. Dr. Ooi Shih Yin, FIST 4. Assoc. Prof. Dr. Ooi Chee Pun, FOE 5. Dr. Tan Wooi Haw, FOE 6. Dr. Tan Yi Fei, FOE 7. Prof. Hezerul Abdul Karim, FOE 8. Gan Meng Tao, FOE 9. Kwan Wei Peng, FOE	Smart Anchovies Cleaning Machine

BRONZE MEDAL		
Project Leader	Project Member(s)	Project Title
Mr. Vincent Chan, FOB	1. Pendy Tok, FIST 2. Yow Yuen Li, FCI 3. Tan Zi Ching, FIST 4. Yow Li Wen, FIST 5. Khor Zhi Shan, FIST 6. Cheryl Chan, FOB	OGAE
Prof. Ir. Dr. Hezerul Abdul Karim, FOE	1. Dr. Nouar AIdahoul, FOE 2. Hor Sui Lyn, FOE 3. Mohd Haris Lye Abdullah, FOE 4. Dr Sarina Mansoor, FOE 5. Prof. Ir. Dr. Mohammad Faizal Ahmad Fauzi, FOE	A Deep Learning Method for Detecting Inappropriate Contents in A Visual Media





# MMU Researchers Receive **Over RM3 Million Grant** at **PETRONAS-ACADEMIA** Collaboration Dialogue



Two project leaders namely Prof. Ir. Dr. Mohd Ridzuan Mokhtar from the Faculty of Engineering and Prof. Ir. Dr. Hairul Azhar Abdul Rashid, Vice President of Research, Industrial Collaborations, and Engagement were selected to receive grants with the total amount of RM3, 645,400 at the PETRONAS-ACADEMIA Collaboration Dialogue on 7 March 2022. Prof. Ir. Dr. Zulfadzli Yusoff, Director of Research Management Centre representing the MMU team to receive the official certificate of acceptance during the event at Kuala Lumpur Convention Centre (KLCC).

MMU participated in this dialogue and presented five proposal papers, and two proposal papers were chosen titled 'Multi-Sensory Distributed Optical Fiber Sensor Cable for Exploration and Production Phase' and 'Intelligent Radiation Survey Meter for TENORM Measurements of Tubulars'. The inaugural PETRONAS-ACADEMIA Collaboration Dialogue was organised by Malaysia Petroleum Management (MPM), which served as an avenue between academic and industry players in leveraging new technologies and research & development activities for mutual benefit. MMU was among 11 universities that were awarded the grant.



# Effective detection using Automatic Data Acquisition System for Fingerprinting-Based Indoor Positioning In-Vehicle active monitoring tool



The prototype of Automatic Surveyor Robot



Dr. Yeo Boon Chin, a senior lecturer in the Faculty of Engineering and Technology (FET) has made our university proud when his invention entitled Automatic Data Acquisition System for Fingerprinting-Based Indoor Positioning secured a Gold Award, International Invention, Innovation & Technology Exhibition (ITEX 2022), recently.

HIVE BUZZ (HB) has interviewed Dr. Yeo Boon Chin (YBC) to find out more about the winning research.

## HB: Could you please describe your invention?

YBC: Automatic Data Acquisition System for Fingerprinting-Based Indoor Positioning is an Indoor Positioning System (IPS) is a network of devices used to locate people, robots or objects in an indoor environment, such as multistory shopping mall, airports, basement carpark, warehouse, tunnel, and underground railway stations.

Position of devices can be estimated based on Received Signal Strength (RSS) from Wi-Fi Access Point (AP). The signal fingerprints or the received signal strength of every location are required to be collected and stored in fingerprint database in order to implement the IPS.

However, acquiring signal fingerprints is often a labor-intensive and manual process. The solution is to use an automatic surveyor to acquire received signal strengths and estimate location with floor tile patterns to label the signal fingerprints.

The patented automatic surveying system consists of a server providing survey paths and storing fingerprints, a WLAN to establish long-range communication, and an Automatic Surveyor. The Automatic Surveyor is capable of self-update its coordinate with detected grout joints and self-navigating following the surface grout. The accuracy of the system is further enhanced by integrating the Ultrawide Band signals in combination with the Wi-Fi signals. The experimental results obtained has indeed justified the improvement of this hybrid system in producing more accurate judgement and prediction.

## HB: What are the unique features of this invention?

YBC: It has several unique features. Firstly, it was patented automatic surveying system automatically acquires Received Signal Strength (RSS) and label it with location information. Secondly, the location information is estimated from floor tile patterns while the system has a server to

provide survey paths and store RSS. The system also has an automatic surveyor robot that can self-update its coordinate with detected tile grout joints and self-navigate to follow the surface grout. The device has ultrawide band signals and WiFi signals are used in the system for high accuracy performance.

## HB: Why the invention is very relevant for the community?

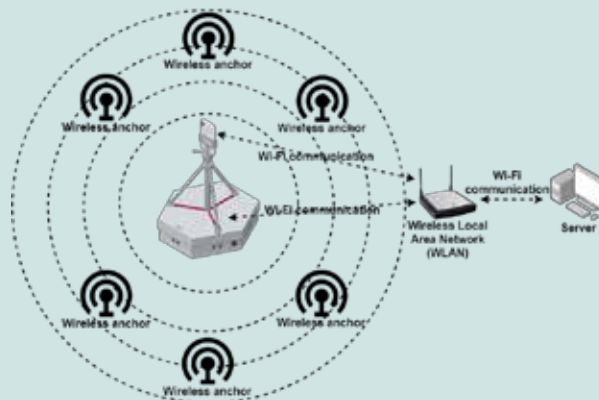
YBC: According to the report "Indoor Positioning and Navigation Market - Forecast (2020 - 2025)", the global Indoor positioning and navigation market was valued at \$6.92 billion in 2020 and is projected to grow to \$23.6 billion in 2025 at a CAGR of 27.9%.

Indoor positioning and navigation systems are based on technologies like Magnetic Positioning, Simultaneous Localization and Mapping (SLAM), Global Navigation Satellite System (GNSS), Global Positioning System (GPS), Global Navigation Satellite Systems (GLONASS), Galileo, A-GPS, Cellular Sensors (Gyroscope, Acceleration, Barometer, Antenna and Near Field Communication (NFC)), Wi-Fi, Ultra-Wide Band (UWB), Radio-frequency identification (RFID) and Bluetooth Low Energy (BLE) Beacons. The

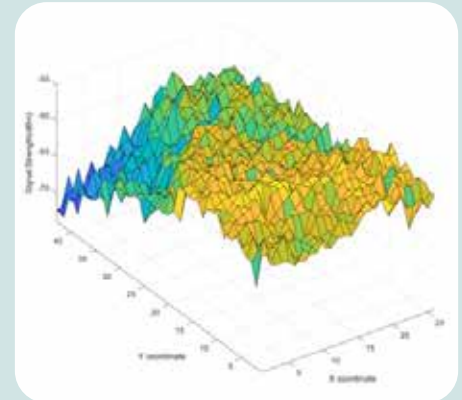




Smartphone application for Automatic Data Acquisition



Automatic Data Acquisition System



Recorded Signal Strength Distributions

major applications of these technologies include positioning & navigation (contextual information, modelling, surveying and mapping of infrastructures), location-based promotion, asset tracking (personnel and object tracking in an infrastructure escalating real-time monitoring and management) and emergency services (navigation to locate people in case of emergencies during disaster management or law enforcement situations).

In the verticals of this Indoor Positioning and Navigation Market, aviation industry uses these technologies for passenger navigation to designate lounges, baggage tracking, emergency, and other airport-related services. Advertising industry includes geo-fencing, location-based promotions and other applications related to E-commerce and digital retail. Healthcare uses RFID, Wi-Fi in hospitals to navigate patients to desired wards. Logistics uses these technologies for automating inventory control and asset tracking in warehouses. The transportation

industry has many applications of these technologies in railway stations navigating to ticket counters, inquiry counters, lounges, ATMs etc. Tourism Industry uses these technologies in hotels for navigating tourists to rooms, lounges, receptions, parking lots and many other places. The automotive industry uses these technologies for vehicle identification and tracking, quality control in production or asset management.

#### HB: Any potential collaboration thus far?

FET has recently signed a Memorandum of Understanding with Sophistech Advance Sdn Bhd the main distributor of Keenon Robotics products in Malaysia. Keenon robots have been widely used in food delivery services in restaurants. During the pandemic, Keenon robots have also been used for disinfection in hospitals in China. Moreover, the company also involves in supplying navigation robots for hotels. Indoor positioning system are important for the robots in these application areas. In collaboration with Sophistech Advance Sdn

Bhd, our project can be further tailored and designed towards meeting the industrial requirements. With their knowledge and experience in the robotics fields, our project will certainly progress well under the good supervision of the experts.

#### HB: When is the patent date and who is your team member for this research?

YBC: I have patented two files for invention on 17 September 2021. My team members are Mr. Alvin Chong Ming Song and Assoc. Prof. Dr. Lim Way Soong.

#### HB: Besides ITEX 2022, any award secured by the invention?

YBC: So far, we won Gold Award at International Invention, Innovation & Technology Exhibition (ITEX 2022) on 27 May 2022; Gold Award in Malaysia Technology Expo (MTE 2022) on 25 March 2022; and, Gold Award in Research Innovation Commercialization and Entrepreneurship Showcase (RICES 2021) on 16 November 2021.

## Biography



Dr. Yeo Boon Chin

Dr. Yeo Boon Chin obtained his PhD in Engineering from Multimedia University Malaysia, in 2017. The research topic involved background model, lane detection, traffic monitoring and control, fuzzy logic, and machine learning.

Dr. Yeo is a senior lecturer in the Faculty of Engineering and Technology, Multimedia University. Currently, he is also the Chairperson of the Centre for Advanced Robotics. He has been supervising numerous award-winning research projects related to robotics, condition monitoring, machine vision, and soft computing, especially for the applications in health care, automation, and robot positioning.



Assoc. Prof. Dr. Lim Way Soong

Assoc. Prof. Dr. Way-Soong Lim received his Ph.D. degree (Engineering) from Multimedia University of Malaysia, in 2007. He joined the university in 1999 as a lecturer of Faculty of Engineering & Technology. He served as a Deputy Dean from 2008 to 2020, and was later appointed as the Director of International Relations of the University.

His research interest covers areas in artificial intelligence, neural network, pattern recognition, road traffic monitoring, machining-tools condition monitoring and robotics navigation. Along his career, he has published numerous number of international journals and conference papers, book chapters and engineering text books. Dr. Lim also maintains strong collaboration with many industrial organizations and international universities.



Mr. Alvin Chong Ming Song

Alvin Chong Ming Song obtained his B.Eng. (Hons.) Electronics majoring in Robotics and Automation from Multimedia University, Malaysia, in 2019.

Mr. Chong is currently pursuing his Master of Engineering Science (by Research) study at Multimedia University. His main research interest includes robotics, automation, and machine learning.

## MMU Staff Wins the Best Male Participants in the 24th National Olympic Academy (NOA) for Young Participants 2022

Mr Muhammad Raffiq Mohd Radzi, our staff from Student Recruitment Office (SRO) won The Best Male Participant Award in the 24th National Olympic Academy for Young Participants (NOA) which was organised by the Olympic Council of Malaysia (OCM) from 28th March to 1 April 2022 at Kuala Lumpur.

The annual event served as a platform to cultivate the positive culture of the Olympics, as well as preserving and spreading the Olympic spirit among the younger generation. It exposed the 22 participants about the educational and social principles of Olympism and consolidated the scientific basis of the Olympic Ideal. It includes the principles laid down

by the ancient Greeks and the revivers of the contemporary Olympic Movement, through Baron de Courbetin's initiative and upholds the value of respect, excellence and friendship.

Mr. Raffiq received his award certificate from the Director of National Olympic Academy

of Malaysia, Nicholas Chan. The winner was selected based on leadership skills, active engagement, communication and participation in all activities organised. With the winning, Mr. Raffiq representing Malaysia in the upcoming International Olympic Academy session in Greece.



## Dr. Sharmini Bags Nobel Women Achiever Award

Ts. Dr. Sharmini Gopinathan, a Senior Lecturer from the Faculty of Management (FOM) was awarded the Nobel Woman Achiever Award from the Women Icon Awards, in association with Times Women. The award is another remarkable achievement by Dr. Sharmini in getting recognised and acknowledged on her expertise in the area of blended learning and experiential learning. Dr. Sharmini also previously won a Gold Award by MMU's ADEPT in using Blended Strategies, and a Bronze Award for the same category by Universiti Sains Islam Malaysia (USIM).







“

There are **no secrets to success**. It is the **result** of **preparation, hard work and learning from failure**

”

- Colin Powell



# Getting International Recognition by Winning Huawei ICT Competition 2021-2022 Global Final Awards



From left: Dr. Ng Kok Why, Wong Ee Thiing, Selwyn Darryl Kessler and Loo Wei Xiong took a group photo together with Prof. Dato' Dr. Mazliham Mohd Su'ud, President of MMU.

Three MMU students have made our university proud with their achievement at the Huawei ICT Competition 2021-2022 Global Final Awards on 25th June 2022. They are Selwyn Darryl Kessler, Loo Wei Xiong, and Wong Ee Thiing from the Faculty of Computing and Informatics (FCI) and Faculty of Information Science and Technology (FIST). Dr. Ng Kok Why, Deputy Dean of FCI is the team mentor for the competition.

A total of 132 teams from 43 countries and regions participated on the world stage. Under the Cloud Track, the participants took 8 hours non-stop to answer a few difficult lab questions involving four areas: Cloud, Storage, Big Data, and Artificial Intelligence during the competition. The team was announced as the Grand Prize winner together with three teams from Algeria, Brazil and China. In this edition of HIVE BUZZ, the team shared their experiences to compete at the international level.

#### Can you tell us more about your team?

Selwyn: We are a team of 3. I'm Selwyn and my teammates are Wei Xiong and Ee Thiing. Wei Xiong and I are from FCI and Ee Thiing is from FIST. We're all currently doing our internship and we're just starting our third year at MMU.

#### Can you tell us about your experience when you enter the competition?

Ee Thiing: When I first entered the competition, I had no experience with Huawei Cloud or its platform. I've only gone through the theoretical materials that have been provided, and that was just the basics. I did not have any confidence in myself and was not well prepared at the first stage. However, from the second stage onwards, there were more materials and assistance provided. During the competition, it was nerve-wracking as we had to answer the questions within a certain time limit.

#### What are some challenges that you face during the competition?

Wei Xiong: As I joined the competition without much prior knowledge of the content and it's the first time for the university to join the competition, everything is a mystery as we do not know what type of questions can come out. I also had to find a balance between studying for the competition and maintaining grades in classes.

#### What was your feeling when you knew you were the winners of the competition?

Selwyn: A year ago, I would never have imagined that we would be crowned the

champions of this competition. I never even thought that we would get this far. So, when we were announced as the winners, I was initially in disbelief, and I was elated with the news.

#### What does this success mean to you?

Ee Thiing: This success shows me that when opportunities arise, I should always grab them, work for them and should not give up when things get hard as the outcome is unpredictable.

#### What is your motivation/inspiration to get this far?

Wei Xiong: I am generally very interested in the topics and have always wanted to know more about them. That's why I had fun studying them. Having teammates who are also very hardworking also indirectly motivates me to study more.

#### Do you have any messages or advice to share with other students?

Selwyn: Learning is a lifelong journey. Don't stop just because you've achieved something, or you think you're good enough.



**Is there any new thing that you gained from the competition?**

Ee Thiing: I've gained a lot of knowledge from the materials that I studied for the competition. Besides, I've also learned to be tough mentally and endure the challenges that arise during the whole duration of the competition, which lasts for almost a year.

**What will be your next step?**

Wei Xiong: I will continue to explore more in-depth knowledge of the topics, especially in Cloud where I think it is the future of technology. I am also looking forward to stepping out of my comfort zone to learn many different things.

**Who would you like to thank?**

Selwyn: I would like to thank Dr Ng Kok Why for supporting us throughout the entire competition. I would also like to thank Ms Astee of Huawei for supporting the Malaysian contingent on the international stage.

Ee Thiing: I would like to thank my teammates Selwyn and Wei Xiong, my instructor Dr. Ng Kok Why, as well as Ms. Astee from Huawei, for their amazing effort, devotion, hard work and motivation given to assist us in any way possible, I

wouldn't be here if it weren't for them. Thank you to my family and friends also for their encouragement and unwavering support throughout this whole competition.

Wei Xiong: I would like to express my deepest gratitude to my teammates for always being really reliable when facing problems. I would also like to thank Dr Ng and MMU for providing us a lot of support and always being there when we needed it, and Huawei for giving us the platform and making it all happen!

Dr. Ng Kok Why, the team mentor also shared the moment when the students competed in the global competition. Dr. Ng is the Huawei professional certified trainer for AI, hence he is qualified to lead a team in the Cloud track category in the competition.

**What do you think is the WOW factor for our team to enable them to win this competition?**

Dr. Ng: The WOW factor for our team to win the competition is the team members are all superbly hard-working. Everyone did their role and gave full support to the other team members. Thanks to MMU President, Prof. Dato' Dr. Mazliham Mohd Su'ud and FCI Faculty Dean, Assoc. Prof. Dr.

Ts Junaidi Abdullah who always gives me encouragement and boosts the spirit of the team to do well at the Global level.

**What are the most difficult decisions to make during the competition?**

Dr. Ng: At one time, one of the team members was infected by COVID-19 during the Huawei ICT Asia Pacific Competition level. By that time, she was in overseas alone and she needed to stay up at midnight (around 3 am) to attend the competition. She did not give up. The team was impressed by her strong determination.

**How do you see the potential of the MMU team in the future?**

Dr. Ng: In the future, the MMU team and the other MMU students are potentially to walk the extra mile to bring the MMU name to a greater height. Thank you, MMU.

We at MMU are extremely proud of this achievement and we hope that more success stories can be created for us to continue to be one of the leading universities in Malaysia.

Congratulations and all the best in your future undertakings!



The team members and team mentor, Dr. Ng Kok Why met with the President, Prof. Dato' Dr. Mazliham Mohd Su'ud to brief on the competition at his office. Prof. Dato' also shared a few words of encouragement to the students before they compete on the world stage.



## Lim Min Ying Leads Champion Team and Wins Top 10 Best Individuals at Huawei Malaysia Sales Elite Challenge

### Champion: Team Spark



Team Leader  
LIM MIN YING



HOH JIA DA



WEE GIM FUNG



LOO CHUN YAN



GOH YI CHONG

Congratulations to Team Spark, which was led by our student, Lim Min Ying from the Faculty of Engineering (FOE) and team members from various universities, that clinched the Overall Champion in Huawei Malaysia Sales Elite Challenge, recently. The team members were Hoh Jia Da from Universiti Putra Malaysia (UPM), Loo Chun Yan from Sichuan University, Wee Gim Fung, and Goh Yi Chong from University of Malaya (UM).

The team received a cash prize of RM15,000 together with trophies and certificates. In addition, Lim Min Ying also was also announced to win the Top 10 Best Individuals in the same competition. Min Ying received a medal and certificate for the category. Huawei Malaysia Sales Elite Challenge is a large-scale sales-related competition for Malaysian varsity students. It aims to enable students to explore Huawei sales-related knowledge and to discover students' abilities in developing innovative and real-world business solutions. The challenge took place across two phases namely the preliminary round and the grand finals. There were 50 finalists that qualified for the final round, which were divided into 10 teams.

### Top 10 Best Performing Individual



OSCAR LING  
FANG JACK



YEW JIA REN



LAINA LIU  
YING YING



LIM MIN YING



KHOREE



SENG CHEE  
HIE



TAN JUN JIE



KEVIN CHAN  
HONG WAI



DENTE DAYANA  
RINTI MOHAMAD  
AZRI



LEONG RONG  
CHUAN

## IEEE MMU Student Branch Wins 5 Awards at 2022 IEEE Malaysia AGM



Institute of Electrical and Electronics Engineers Multimedia University Student Branch (IEEE MMU SB) won five awards at the 2022 IEEE Malaysia AGM, recently. The IEEE MMU SB received the 2021 Outstanding Student Branch Award and was selected as 2nd runner-up for the 2020 Outstanding Student Branch Award. On top of that, Hisham Neyaz won the 2021 Outstanding Student Volunteer Award, while Mohammed Hussein won the 2021 Outstanding YP Volunteer Award. Project E.D.Di.E (Everyone Deserves Digital Education) was also selected as the winner of the 2021 Activity Innovation Award.

The IEEE MMU SB always supports the IEEE's initiatives to foster students' technical skills, professional and personal development, social responsibilities, and leadership. They also have worked closely with industrial companies, student branches, clubs, and societies as well as faculties in the university as collaboration partners. With a record of 226 members in 2021, IEEE MMU SB has accomplished a 106% growth in membership. Kudos to the IEEE MMU SB Committee 21-22, under the leadership of the Chair, Ms. Lim Min Ying, and its advisor, Prof. Dr. Mohamad Yusoff Alias.



## MMU Team Emerges Champion in Liga Debat CVF 20/21

In conjunction with MMU's Convo Festival 20/21, a debate league "Liga Debat CVF 20/21" was held via hybrid mode from 18 until 20 March 2022. Organised by PENTAS, the competition was participated by four local varsities.

MMU Malay Debate team represented by Yang Fatin Syahira Mior Mohammad Hairol from the Faculty of Engineering (FOE), Misha Qistina (Faculty of Law), and Afiq Daniel (Faculty of Information Science Technology) was announced as champions in the competition. The team received a cash prize of RM1,000. Apart from winning the competition, Yang Fatin Syahira was awarded as the Best Debater and she received a cash prize of RM350.

The second place won by team from Universiti Putra Malaysia (UPM), followed by a team from Universiti Kuala Lumpur (UniKL) in the third place, while consolation prize was awarded to Universiti Sains Islam Malaysia (USIM) team. In the final round, teams from MMU and UPM debated on topic entitled "Perang Ukrai-Rusia: Dunia Wajar Berdiam Diri". President of MMU, Prof. Dato' Dr Mazliham Mohd Su'ud presented the prizes to the winners. Also present were the Vice President of Student Experience, Entrepreneurship Development (SEED), Prof. Dr Wong Eng Kiong and the Director of Student Affairs Division (STAD).



## Tan Li Ting and Chua Jie Tien, Our Chess Players Representing Malaysia in Sea Games



Two of MMU students, Tan Li Ting and Chua Jia Tien departed from Kuala Lumpur International Airport (KLIA) for Vietnam on 8 May and 14 May to represent our country in the 31st Southeast Asian (SEA) Games in Hanoi, Vietnam. The SEA Games started from 10 May to 21 May 2022.

Li Ting, a Bachelor of Accounting student and Jia Tien, a Foundation of Law student, are among of ten national players for chess games in the prestigious SEA games. Li Ting competed in Individual Standard Chess and Team Rapid Chess categories while Jia Tien participated in Individual Rapid Chess and Individual Blitz Chess categories.

# SRC President Wins the Asia Women SDGs Inspire Award 2022

## ASIA WOMEN SDGS INSPIRE AWARD 2022

ASIA WOMEN SDGs CONVENTION 2022

30 MARCH – 3 APRIL 2022

100 DELEGATES  
20 DIFFERENT COUNTRIES  
5 DAYS PROGRAMME



President of the Students' Representative Council (SRC), Siti Jamila Syuhada Jailani from the Faculty of Business (FOB) was awarded the Asia Women SDGs Inspire Award 2020 during Asia Women SDGs Convention 2022 on 3rd April 2022. She was chosen for the award for her dedication and active participation during the event. Over than 100 delegates from 20 different countries participated in the event.

Held from 30th March until 3rd April 2022, several activities were conducted including women resolution programme, women's collaboration programme, SDGs Project and SDG Video Campaign. Siti Jamila Syuhada, who is currently studying for her final year in International Business programme, managed to outdo other participants although the convention took place during her exam week. With her dedication and aspiration of changing the world through SDGs, she placed her 100% commitment towards this programme and hoped for more women will be inspired to strive for success in their life.



## MMU Students Clinch Gold and Silver Medals at Kejohanan Sukan Raket IPT 2022



Nurin Nabilah, our student from the Faculty of Management (FOM) clinched a gold medal in tennis defeating her opponent from Universiti Malaysia Perlis (UniMAP), while Tai Chuan Zhe from the Faculty of Business (FOB) won a silver medal in badminton in the Kejohanan Sukan Raket IPT 2022.

Organised by Majlis Sukan Universiti Malaysia (MASUM) and Kementerian Pengajian Tinggi (KPT), the tournament was held from 25 until 29 May 2022 at Universiti Kebangsaan Malaysia (UKM) and Universiti Malaya (UM). The students from different varsities competed in several sports categories namely badminton, table tennis, squash, and tennis.

## MMU Team Emerges as Champion in SAMCO 2022

Congratulations to Team 215 consisting of Aaron Abishai Andrew, Jhaivahhini Gunasegaran and Surekha from the Faculty of Law (FOL) for emerging as champion at the RWC-NAMCO Sports Arbitration Mooting Competition (SAMCO 2022) on 5th June 2022. Team 215 defeated the team from Universiti Teknologi MARA (UiTM) and Jhaivahhini was also awarded the Best Oralist (Grand Final) at the competition.

On top of that, another participating team from MMU, Team 214 which was represented by Tan Zec Kie, Cheah Xiao Xhuang and Saw Thiam Yap and also Aaron Abishai Andrew from Team 215 also unlocked another achievement when Tan Zec Kie and Aaron Abishai Andrew were announced as the top five Best Oralists in the General Rounds.

SAMCO 2022 is a sports arbitration-based mooted competition, which serves as a platform to expose law students to the areas of sports law and real-life experience of conducting hearings before the Court of Arbitration for Sport (CAS). It also helps the students to gain a better understanding of dispute resolution and issues in the sports world.



Team 215

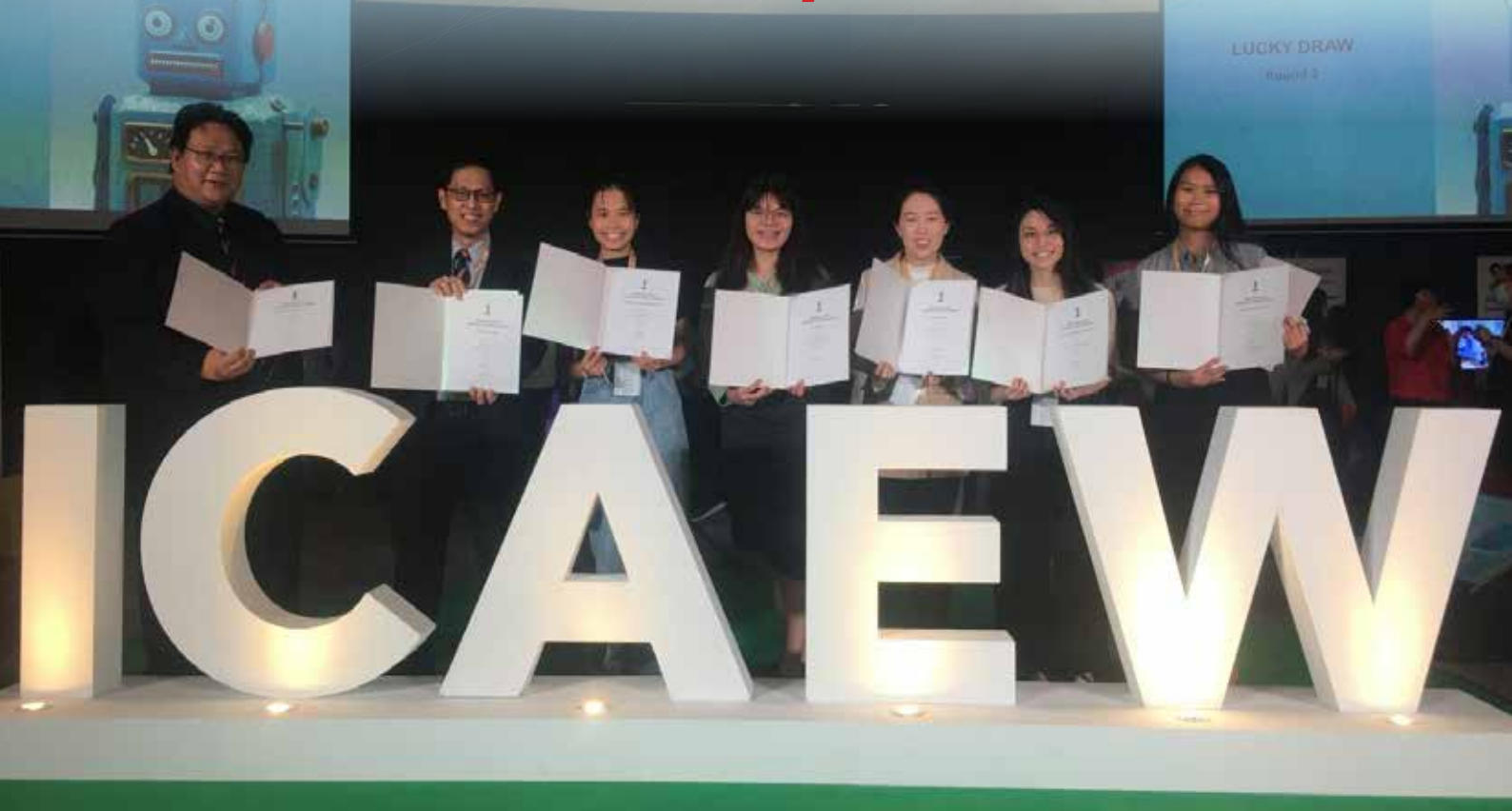


Team 214



Jhaivahhini Gunasegaran  
Aaron Abishai Andrew  
Surekha

# ICAEW Honours 8 MMU Students with ICAEW Malaysia Prizes



Eight MMU students from the Faculty of Business (FOB) and Faculty of Management (FOM) received the Institute of Chartered Accountants in England and Wales (ICAEW) Strategic Credit Prizes in the ICAEW Malaysia Prize-giving Ceremony 2022 at Sofitel Kuala Lumpur, Damansara on 11th June 2022.

The prestigious prizes by ICAEW are to honour the top Bachelor of Accounting (Honours) Strategic Credits students who obtained the best performance in the

Strategic Credits Exams in MMU for 2021. The ceremony was held in conjunction with the ICAEW Malaysia Student Placement and Symposium.

MMU being the first Malaysian university with the innovative ICAEW Strategic Credits programme that commenced in 2019 has benefited many Bachelor of Accounting (Honours) students to complete the ICAEW ACA Professional exams that are embedded within the Bachelor's degree programme. This, therefore, enables our graduates to be

able to reduce the time and cost required to complete the ICAEW ACA qualification.

In addition to the presentation of the prizes, the Bachelor of Accounting (Honours) students and graduates from MMU were also present at the event to secure internship placement and jobs with the authorised training employers (ATEs) such as KPMG, BDO, PWC, Grant Thornton, Dell, Genting and many more. Well done to the prize winners and students who have secured placements at the event.

Faculty of Business (Melaka)		Faculty of Management (Cyberjaya)	
<i>Award Recipient</i>	<i>Exam</i>	<i>Award Recipient</i>	<i>Exam</i>
Tam Jia Xin	Financial Accounting & Reporting (FAR)	Lim Xiao Pei	Financial Accounting & Reporting (FAR)
Ng Xue Jin	Audit & Assurance (AA)	Tee Yan Ying	Audit & Assurance (AA)
Verona Tan Xiang Ni	Tax Compliance (TC)	Khoo Soo May	Tax Compliance (TC)
Lim Wei Liang	Business Planning: Taxation (BPT)	Khoo Soo May	Business Planning: Taxation (BPT)





“ **Opportunities  
don't happen.  
You create  
them.**

- *Chris Grosser*

”





Prof. Dato' Dr. Mazliham Mohd Su'ud, MMU President graced the launching of Premiere Permata Dunia by MMU Orchestra on 22 February 2022. The event was held at Sound Stage, Faculty of Cinematic Arts.



MMU was honoured to receive a courtesy visit from Tan Sri Mohammed Azlan Hashim, Chairman of Telekom Malaysia Berhad and his delegates on 14 May 2022. The guests also had the opportunity to tour the campus and visited the MMU facilities including Smart Farming & 5G, Sound Stage and Sound Studio, E-Gallery and others.





YAB. Dato' Sri Ismail Sabri, Prime Minister of Malaysia launched the e-Pemula programme at Dewan Tun Canselor, MMU Cyberjaya campus. The event was also attended by Tengku Datuk Seri Zafrul Tengku Abdul Aziz, Finance Minister; Datuk Seri Dr. Noraini Ahmad, Minister of Higher Education; Tan Sri Mohammed Azlan Hashim, TM Chairman, En. Imri Mokhtar, GCEO of TM and Prof. Dato' Dr. Mazliham Mohd Su'ud, President of MMU.



Another historic moment was created when King Sejong Institute (KSI)– MMU at Melaka campus was launched on 25 May 2022. MMU is one of the 25 new institutions that was selected from 120 applications to be part of the programme. KSI-MMU establishment helps to enhance the greater global visibility of both institutions where MMU students and public can explore and experience the Korean world through a variety of events, competitions and classes.





YB Tan Sri Annuar Musa, Minister of Communications and Multimedia launched the Peranti Siswa Keluarga Malaysia initiative at MMU's Cinema, Cyberjaya campus on 14 April 2022. This initiative, which is also supported by the Ministry of Higher Education (MoHE) helps the students from B40 families to apply for laptops for their studies. Also attending the event were YB Datuk Seri Dr. Noraini Ahmad, Minister of MoHE; Prof. Dato' Dr. Mazliham Mohd Su'ud, President of MMU; other government officials and guests.



Pavit Coran, our student from the Faculty of Law (FOL) and a world champion public speaker was invited to share his tips on public speaking by the BBC Learning English (Thai) on 10 February 2022. In a segment, "Live Chat with Clare", Pavit also shared his experience when he competed with other contestants from different countries in the English Speaking Union (ESU) International Public Speaking Competition in 2021.





A total of 13 secondary schools were selected for 'Sekolah Angkat MMU' in an event held at Cyberjaya campus on 22 March 2022. The event was graced by Puan Maznah Abu Bakar, Director of Educational Resource and Technology Division from the Ministry of Education (MOE) with the presence of Prof. Dato' Dr. Mazliham Mohd Su'ud, President of MMU, Deans of MMU's faculties as well as respective school principals, teachers, and Yang DiPertua Parents and Teachers Association (PIBG).



Yang Berbahagia Dato' Ir Dr. Abdul Rahim Hj. Daud, our former member of the Board of Directors and Board of Governor of MMU was feted at an appreciation high tea event on 15 February 2022 in Putrajaya. The event was to honour and appreciate the contribution and support given by Dato' Rahim to the university even before its inception, twenty-five years ago. Dato' Rahim served as Member MMU Board of Director from 2001 until 2018, and Member MMU Board of Governor from 2019 until 2021. The event was also graced by the presence of YBhg Tan Sri Dr. Rahamat Bivi Yusoff, Chairman of Board of Governors, Prof. Dato' Dr. Mazliham Mohd Su'ud, the President of MMU and MMU officers.





MMU received a courtesy visit from the Embassy of France at Cyberjaya campus on 8 March 2022. The delegate was led by Mrs. Emmanuelle Marchand, counsellor for cooperation and cultural affairs at Embassy of France in Malaysia together with Mr. Pierre Jalladeau, regional attaché for South East Asia in Cinema, Radio, TV & Digital at the Embassy of France in Singapore and a few other members. The delegate received a warm welcome from Prof. Dato' Dr. Mazliham Mohd Su'ud, President of MMU and the guests were also taken for a campus tour during the visit.



On 7 March 2022, a meet and greet session was held between Multimedia University (MMU) and Malaysia Digital Economy Corporation (MDEC) in Cyberjaya. MMU was represented by Prof. Dato' Dr. Mazliham Mohd Su'ud, the President and faculty deans, while MDEC was represented by the newly-appointed Chief of Executive Officer, YBhg. Ts. Mahadhir Aziz as well as Talent Development and PDTI team. The event also served as a platform for both parties to discuss the Talent Development Programme or Initiative.





“

**Success is  
walking from  
failure to failure  
with no loss of  
enthusiasm**

”

- Winston Churchill



www.mmu.edu.my

## 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

v mmumalaysia  
o mmumalaysiatv



SUSTAINABLE  
DEVELOPMENT GOALS

