

ENGINEERS INSIGHT

Volume 28

June 2022

Engineers Insight Editorial Board



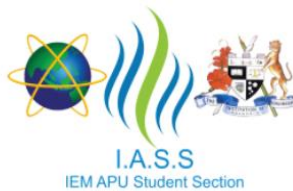
Ts. Harvin Kaur



Ir. Eur Ing Ts. Dr. Lau Chee Yong



Ts. Dr. Shankar Duraikannan Prof Ir. Ts. Dr. Vinesh Thiruchelvam



APU MALAYSIA
STUDENT CHAPTER



**Institution of
MECHANICAL
ENGINEERS**



WELCOMING OUR NEW HEAD OF SCHOOL

Assoc. Prof. Ir. Dr. Siva Kumar Sivanesan

Assoc. Prof. Ir. Dr. Siva Kumar Sivanesan is a professional engineer with 18 years of experience with brands like Panasonic and he has worked with Taylor's University. He launched his engineering career in one of the largest cathode ray tube (CRT) manufacturing companies in the world and out of sheer passion, he pursued his postgraduate studies. His enthusiasm to seek new knowledge, coupled with a compelling vision to produce engineers capable of addressing global challenges through effective enhancement of knowledge, nurturing of skills and an emphasis on emotional intelligence propelled him towards the academic field in which he has been attached to since the last 15 years.

His extensive knowledge and experience within the manufacturing industry complimented with a PhD in engineering has set him apart from the other engineers, as he is able to bring the industry into the classroom and provide valuable real life engineering experiences to students. His experience as a team player and a team leader has proven to be noteworthy in academia as he had successfully obtained national recognition for 2 engineering programmes at the foundation and postgraduate levels, respectively. His rich experience and innovative teaching methods in cascading engineering principles amongst students has set him in a different tone and flair to the way he empowers his students to learn and own their own future.

He is a recognized as a Chartered Engineer in Malaysia, United Kingdom and in Australia. He believes in pursuing excellence by being inquisitive and pragmatic. He is a rational person who respects the people he works with, as he believes that people mold the work environment and that people, and their emotions remains a powerful tool in overcoming any complex engineering challenge. He strives in conceptualizing and implementing creative concepts in the teaching of engineering as he realize that students are the most important assets within a university. As a multi-talented and a high potential professional engineer, he is also a firm believer in continual quality improvement and in imparting his knowledge to all with the aim of creating a teaching and learning environment where teachers and students can dream big, be different and have fun.

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“Engineering education has been responding to the needs of the society and industry throughout the past century”

Assoc. Prof. Ir. Dr. Siva Kumar Sivanesan, Head of School, SoE

ENGINEERING EDUCATION

**ASSOC. PROF. IR. DR. SIVA KUMAR
SIVANESAN
JUNE 2022**

Engineering education has been responding to the needs of the society and industry throughout the past century. Engineering professional and accreditation bodies embraced the increasing set of skills and competencies that employers required in graduate engineers such as communication skills, teamwork and other technical and non-technical skills through the establishment of outcome-based education (OBE) standards. International agreements such as the Washington Accord are signed to ensure the equivalency of the standards of engineering education across the national borders. The globalized marketplace and the global challenges such as climate change, security and economic growth set the scene to an emerging global competence that is expected from engineers. With that in mind in 2009, the National Academy of Engineering (NAE) identified 14 Grand Challenges that need to be addressed by engineers for the humanity to make it sustainably into the next century. The Grand Challenges as advocated by the National Academy of Engineers (NAE) addresses challenges that needs to be addressed by mankind in order to remain sustainable in the 21st century and can be found below:

- Make solar energy economical
- Provide energy from fusion
- Develop carbon sequestration methods
- Manage the nitrogen cycle
- Provide access to clean water
- Restore and improve urban infrastructure
- Advance health informatics
- Engineer better medicines
- Reverse-engineer the brain
- Prevent nuclear terror
- Secure cyberspace
- Enhance virtual reality
- Advance personalized learning
- Engineer the tools of scientific discovery

Academic institutions, mainly in North America, responded by creating Grand Challenges Scholars' Programmes aimed at preparing students to address the grand challenges. A Grand Challenges Scholars' Programme (GCSP) has five main components; research experience, interdisciplinary curriculum, entrepreneurship, global dimension and service learning. These elements are aimed at providing global awareness and extra edge for the students in order to equip them with the skills necessary to be ready to contribute towards addressing these challenges. The alignment between the Grand Challenges Scholars' Programme (GCSP) components and the CDIO syllabus and framework is clear and riding on the synergy between the two to provide an enhanced students' experience seems to be logical. A typical Grand Challenge Scholar programme should have mapped within the curriculum a pathway curated by students to achieve desirable Grand Challenge Scholar Programme outcomes. These outcomes must be impactful to society and should provide an engineering undergraduate with essential skills to ensure a holistic approach is adopted when the issues to resolve the Grand Challenges is discussed.





“Charity begins at home sends a strong message in society. We should understand it’s important to lead a more satisfying life.”

Ts. Harvin Kaur, Senior Lecturer, SOE

Charity begins at home

TS. HARVIN KAUR
JUNE 2022

Charity is always a good thing that all people should do and advise others to do. In this world, many people are unfortunate who have lost their families and become alone. For these people, many organizations are working, which are taking care of poor and helpless people. Here we are talking about the famous phrase “Charity begins at home” that is completely about donation or charity but also indicates the importance of family members in our life.

It is rightly said that our parents are our first teachers. We learn a lot from them. Children observe their parents and begin to inculcate their habits subconsciously. After a certain period, most of them begin to behave and react in a similar manner as their parents. It thus becomes the duty of the parents to behave responsibly. ‘Charity begins at home’ has two interpretations. One of these is that if the parents are involved in charity, the kids shall learn and inculcate this habit too. As explained above, children imbibe the gestures and mannerisms of their parents knowingly or unknowingly and begin to behave in a similar way. The phrase, charity begins at home’ implies the same. However, here the author is specifically talking about indulging in charitable acts. If the parents and grandparents are involved in charitable tasks, the children will carry forward the legacy.

However, people must first ensure that their close relations are intact and that they have fulfilled all their responsibilities at home. Only when they have ensured this should they go ahead and indulge in charitable tasks. Charity influences and affects many people in different ways like the positive impact of charity on those people who are helped and assisted but sometimes, negative impact on those who are ignored and neglected due to this act of charity like own family members. Some people just forget that their family needs more attention and the money which they are donating to other places just to show off or due to the human nature of social workers. The phrase “Charity begins at home” completely suits these kinds of people.

A good person has always left a good impression on others and their good actions like charity are counted as a noble act and an inspiration for others. The feeling of real charity means a soft desire of a person, who wants to offer something to the needy people while meeting the needs of his family first. The nature of kindness of a person being in the form of charity done for the noble cause is always good and should be followed by everyone. In fact, we should teach our children about the importance of charity which we do for the needy people. Charity should be always done in this manner that one hand could not get to know that the other hand has donated something to the needy people.

Various unfortunate people are residing in this world who are poor, helpless, and alone in this world. Several places are made for the survival of these people which are known as an orphanage, old age home or some organizations which are operating through a charitable trust. To help these places, people should always contribute by offering money or some other essential things that those people require like clothes, food, education, toys, and books for kids. One thing that all should keep in mind before helping others that, your family members are fully comfortable and satisfied with all they have and doesn't affect negatively by your charity. People who follow this rule are the real person and admirable by all.

Many situations come in life when you should think of yourself first, some people will refer it as selfishness, but it is a prime concern to take care of your family and friends first before helping others and thus someone has truly said that "Charity begins at home". The home and the society should be your priority as people need your full support, efforts, and consideration. We all should not neglect or ignore it; thus, we say that charity begins at home. Once you ensure that your family or society are well established and in the well situation then you can help others and do charity for them. 'Charity begins at home' sends across a strong message. We must understand its importance and follow it to lead a more satisfying life. We must remember that what we inculcate, and practice is what we teach our children. It is thus imperative to imbibe good habits. We must first shower our family with abundance of love and care and fulfil all their essential needs and then help the poor and needy around us. If God has given us enough, then we must thank him by sharing our blessings with those in need. Children shall learn the same from their parents and the world will become a better place to live.

Charity begins at home,
but should not end there.

Thomas Fuller





Asia Pacific University
SPE Student Chapter

Society of Petroleum Engineers (SPE 2022)

TECHNICAL TALK ON INTEGRATED RESERVOIR MANAGEMENT

SPE
JANUARY 2022

On 29th January 2022, SPE APU SC conducted the first technical talk in year 2022 with the topic “Integrated Reservoir Management”. Our guest speaker, Yogashri Pradhan is a senior reservoir engineer at Endeavour Energy Resources. Headquartered in Midland, Endeavor Energy Resources, LP has more than 35 years of experience in the Midland Basin and approximately 1,200 valued employees.

Yogashri Pradhan shared her knowledge on extensive fluid sampling significance, reservoir simulation efforts and different types of reservoir models. She mentioned that bubble point suppression is observed, caused by capillary pressure effects and micro confined nanopores. Besides, she also discussed about the primary- infill relationships. She summarized that with 5 important points:

- FDIs are not all the same (short term vs long term)
- Understand possible sources of communication
- Choose mitigation appropriate to your situation
- We followed the recommended “basic recipe” proposed by Whitfield et al. and found it to be straightforward and doable.
- Early results are encouraging.

The half hour session gave all attendees a new insight about reservoir management and tend to understand more about integrated reservoir management. Overall, our student chapter was pleased to announce it was a successful event with many thanks to the speaker and all the attendees.

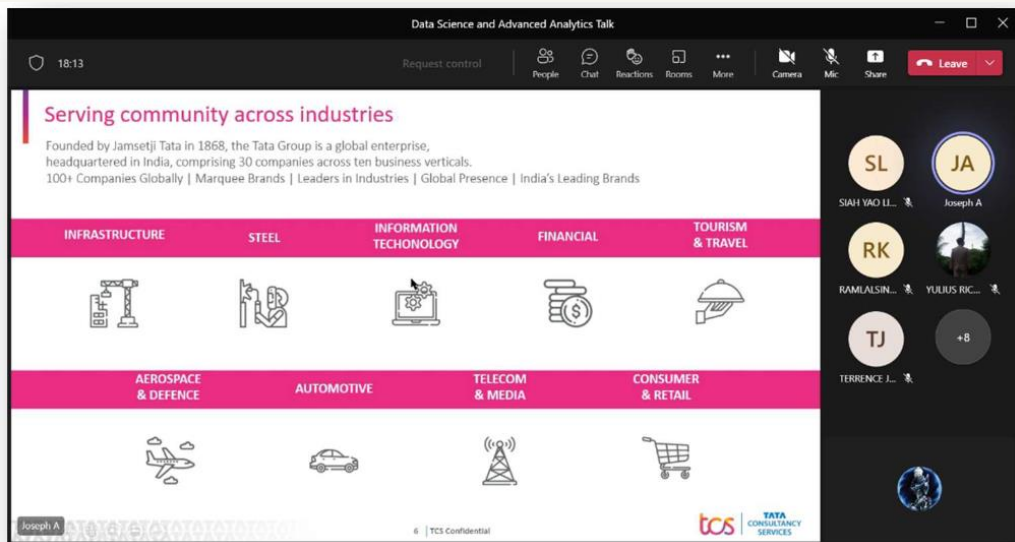


Institution of Mechanical Engineers (IMechE)

DATA SCIENCE AND ADVANCED ANALYTICS

DR. ARUN SEERALAN
MARCH 2022

The talk was hosted by APU IMechE in collaboration with APU career centre on the 25th of March 2022. The speakers invited to the talk are Mr. Joseph and then Mr. Shantnu Gupta, from the HR Department of Tata Consultancy Services. At first, a theoretical explanation on AC and DC power systems was given to act as a refresher before participants started doing any hands-on activities. After the theoretical explanation was done, participants were taught how to measure AC and DC currents by using a multimeter. This was a good way for students to physically see the differences and behavior between AC and DC power systems in real life. After this, students were taught the steps on how to use an oscilloscope.



Institution of Mechanical Engineers (IMechE)

DYSON FOUNDATION TALK

DR. ARUN SEERALAN
APRIL 2022

The James Dyson Award 2022 was an event held on the 6th of April, to introduce participants to the workflow of an engineer in a large company (Dyson) and to promote The James Dyson Award 2022 held by The James Dyson Foundation. Two design engineers from Dyson - Ms. Qian Qi Lai and Mr. James Chua were invited to give speech in the talk. A questions and answers session were also held near the end of the event to allow the participants to interact with engineers from Dyson. Emcee of the event was Rochana A/P Jayakumar.



AI4U TRAINING

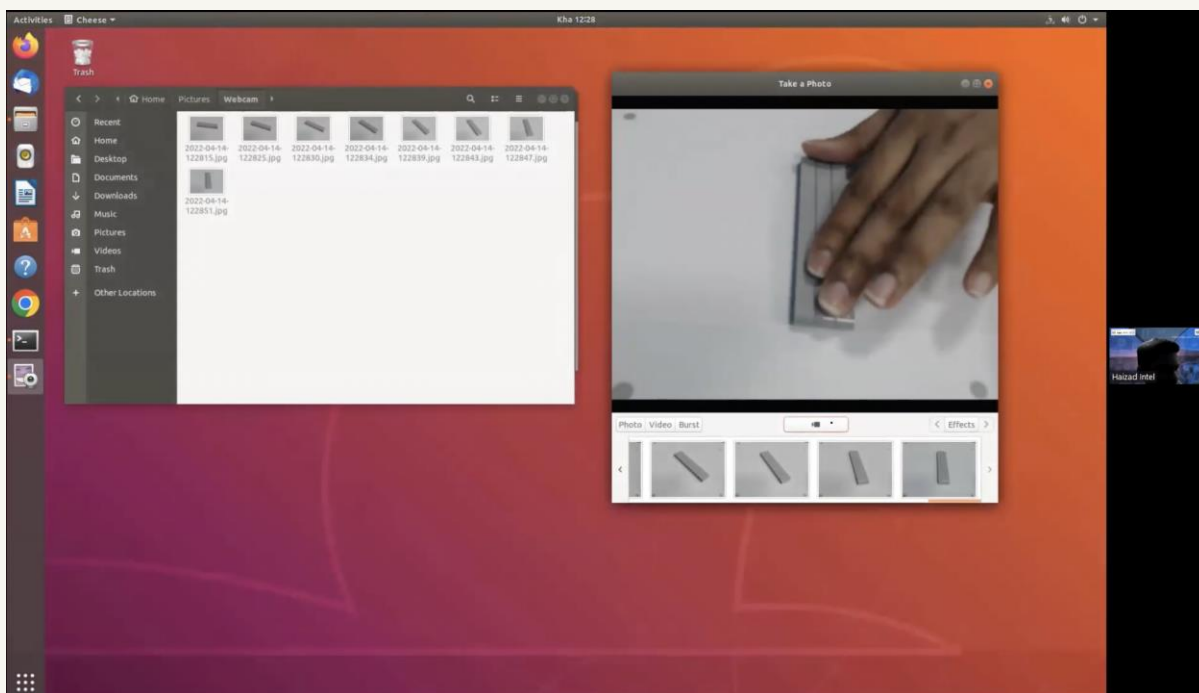
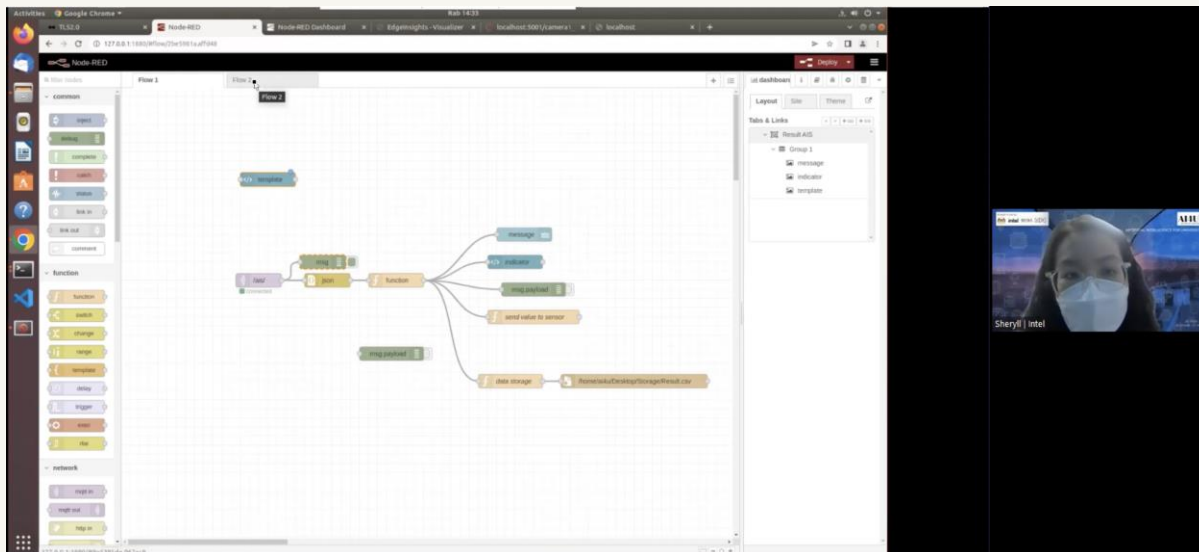
IR EUR ING TS DR LAU CHEE YONG APRIL 2022

In 2022, we are honored to receive the Artificial Intelligence for University (AI4U) grant to continue our AI based project development. The collaboration program between MPC, Malaysian Investment Development Authority (MIDA) and Intel Malaysia to drive AI adoption in university is designed to help non-computer science students to embrace AI in various pockets of their daily life. In addition, the program is designed to have the computer engineering and science faculty of the university to be the peer trainer (computer engineering and science students and lecturers) to the rest of the university' faculties. The curriculum and scope of the program is focusing on Machine Vision application (AI on vision-based use case).

We were provided with 16 units of Axiomtek AI Starter Kit sponsored by Intel Malaysia and MPC worth RM315,520.00. The Axiomtek AI Starter Kit consists of a high-performance industrial PC powered by the latest 11th Gen Intel i7 processor, bundled with Intel® OpenVINOTM toolkit and Intel Edge Insights for Industrial solution. This integrated AI4U 'Starter Kit' solution is designed with the ease-of-use concept, customized for computer vision and deep learning. While the training cost of RM6,500.00 per student for all 6 'half-day' training program is included in the total cost.

Approximately 10 lecturers + students have participated in this training. Hopefully, there will be more exciting AI projects can be conducted and hope to see more innovation produced by APU.





EVC VISIT WRITE UP

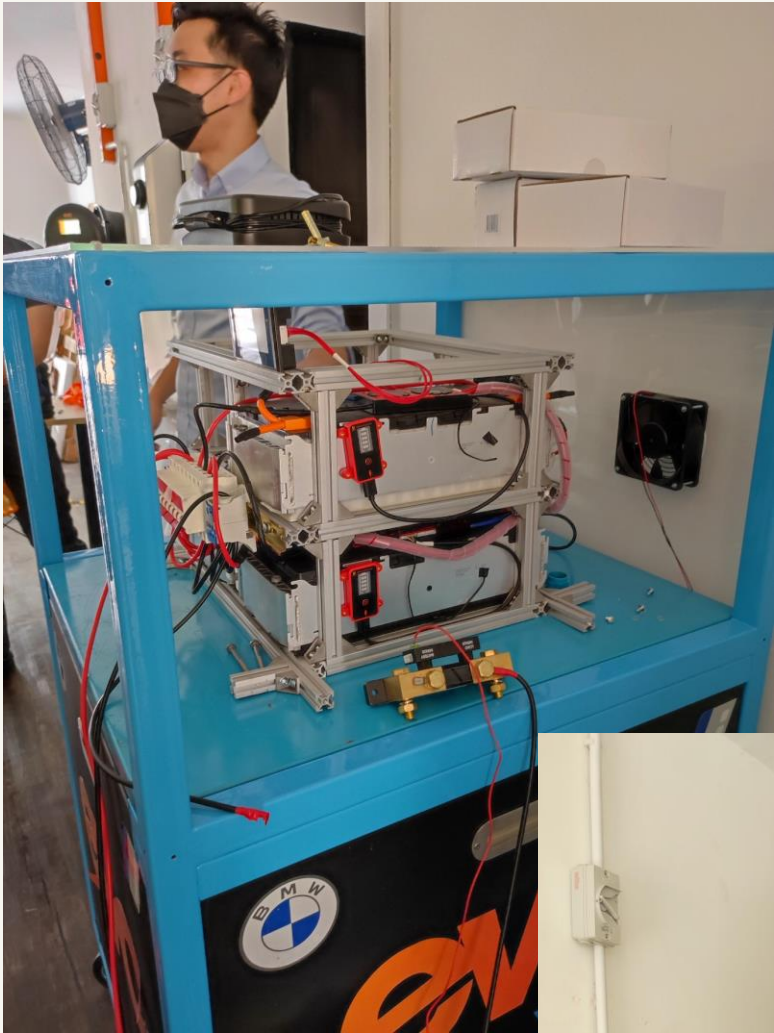
IR EUR ING TS DR LAU CHEE YONG APRIL 2022

After 2 years of isolation at home, School of Engineering has finally welcomed its physical industry visit on 8th April 2022 (Friday). A total of 8 participant have visited the EV Connection (EVC) Sdn Bhd to learn more about the electric vehicles charging solutions. EVC specialized in providing the charging station for electric vehicles. The Consulting Director, Dr Che Hang Seng has provided an informative insight to all of the students. They have been introduced with various type of battery, charging dock, cable type as well as the actual application throughout Malaysia.

Moreover, Dr Che has patiently answered the questions provided by students and students were impressed with the details and information provided by Dr Che. Dr Che has introduced the technical detail in checking the battery health, analysing the voltage curve of different battery, as well as explained the actual testing process that they have carried out. Dr Che also has shared the future development in EV and the hurdles faced by the market and the industries.

Indeed, this is a very good eye opener to students who are ready to go out and fill up the positions in the EV industry.







4th International Conference on Sustainable Innovation in Engineering and Technology



The International Conference of Sustainable Innovation in Engineering and Technology (SIET) 2022

Keynote Speech
“Driving Progress for A Sustainable Tomorrow”

Date: 18th May 2022 (Wednesday)
Time: 10:00am to 11:15am



Asia Pacific University of Technology and Innovation




Opening Speech
Prof Ir Ts Dr Vinesh Thiruchelvam
 Chief Innovation & Enterprise Officer
 APU



Keynote Speech
Mr Laurent Maillefer
 Vice President, Robotics & Discrete Automation
 ABB Malaysia

Our flagship event, the 4th International Conference on Sustainable Innovation in Engineering and Technology was commenced on 18th May 2022. We were very honored to invite Mr Laurent Maillefer, the Vice President of Robotics and Discrete Automation of ABB Malaysia to deliver a keynote speech with the title “Driving Progress for A Sustainable Tomorrow”.

As sustainability development is the key point to move forward, it is our pleasure to have an informative insight about how a developed company formulating their innovations to create a promising and a better future. We were glad to know that ABB Malaysia is constantly engaging with young talents in futuristic engineering. It was indeed a fun and informative session with the audience.



Mr Laurent Maillefer
 VP of Robotics & Discrete Automation
 ABB

Laurent Maillefer is a graduate from the School of Management and Engineering - Vaud in Switzerland (HEIG-VD) and holds a degree in Electrical Engineering. Throughout his career, he has served different functions in Europe, America and Asia, overseeing a diverse portfolio of products related to Power Electronics and Robotics. Laurent has been based in Malaysia for the last 14 years with roles covering the Asia-Pacific region. He is currently heading the Robotics & Discrete Automation Business for ABB in Malaysia. His keen interest in working with young talents drives his involvement in the ABB Jürgen Dormann Foundation in Malaysia. A mentor since 2017, Laurent helps deserving students shine by exposing them to leading ABB technologies which are shaping the future of work.



Innovative solution in all business areas
Supporting emission reduction

Variable speed drives
Save power in fan, pump and compressor applications

Robots recovery
Braking energy

EV charging
Makes transport less carbon intense

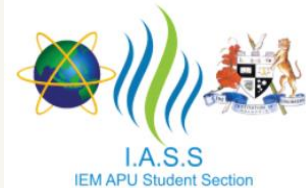
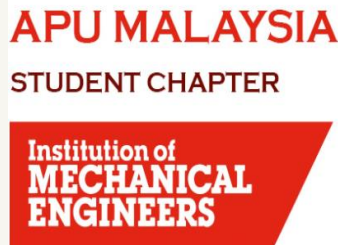
Engine setting tuning software
Reduces marine diesel consumption

ABB - Laurent Maillefer

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International Conference on Sustainable Innovation in Engineering and Technology (SIET) 2022

Raudhathul Al-Faez Orphans Get Aidilfitri Aid From APU Clubs & Societies



It is a worthy cause for SPE APU SC, IMechE APU SC, and IASS to join in celebrating Eid Aidilfitri with 'Raudhathul Al-Faez Orphanage and Welfare Home'.

The faces of 35 residents of the 'Raudhathul Al-Faez Orphanage and Welfare Home' shone with joy when clubs & societies from Asia Pacific University of Technology and Innovation (APU) visited and delivered aid in conjunction with Eid Aidilfitri celebration. The 'Raya Gathering with Special People' programme was organised by representatives from the Society of Petroleum Engineers APU Student Chapter (SPE APU SC), Institution of Mechanical Engineers APU Student Chapter (IMechE APU SC) and IEM-APU Student Section (IASS). According to the SPE APU SC Faculty Advisor, Ts. Dr Harvin Kaur Gurchran Singh, participating in the Corporate Social Responsibility (CSR) programme is a great way to fulfil our roles and responsibilities in our community; and together, we can contribute positively to our society and environment, especially during Syawal.



APU Advisor, Ts Harvin led a team of five students representing their respective clubs to make the event a success.

“We would like to express our gratitude to the Raudhathul Al-Faez community for providing us with such a warm welcoming atmosphere and a wonderful Eid celebration experience that we will never forget,” she said.

SPE KL Chairperson Mr Anwarudin Saidu Mohamed warmly welcomed everyone while students talked about Petroleum Engineers and had a casual chit-chat & game session with the Raudhathul Al-Faez children at their home located at Keramat AU 4, Kuala Lumpur, Selangor.

SPE APU SC President Geerbasini Elangovan stated that this is their first collaboration with all three clubs, having previously collaborated with SPE KL last year for their flagship event, which is Saturday for SPE and IMechE APU SC for a technical talk and workshop.

“We began with a Ramadan fund-raising event and raised RM945. The funds were used to buy food, distribute ‘duit raya’, and provide a goodie bag for Raudhathul Al-Faez’s children.

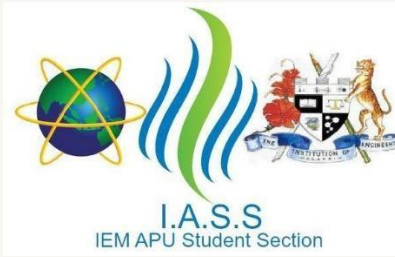
“We got to know some very talented kids in the community who wanted to be future doctors, teachers, and engineers. We had a great time talking and playing games with them, and it was almost like a cultural exchange for some of us,” she said, speaking on behalf of all three groups involved.

The team then had lunch with the community, where they discuss their interests further, and after lunch, the ‘duit raya’ and goodie bag giving ceremony was held.

Finally, to make this an unforgettable experience, the team organised a photo shoot with the Raudhathul Al-Faez community.

IEM APU Student Section (IASS)

IASS HANDOVER CEREMONY

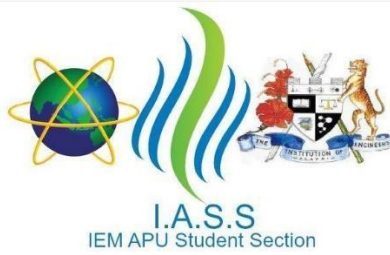


TS. SUBHASHINI
GOPAL KRISHNAN
MARCH 2022

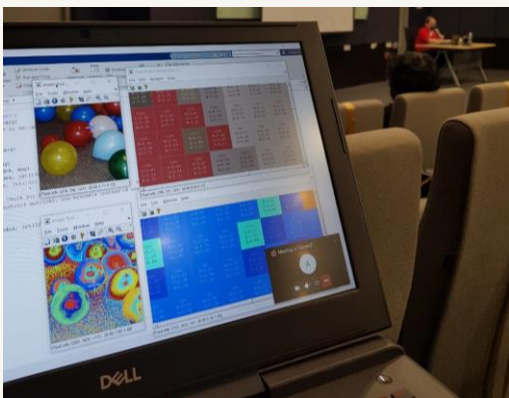


IEM APU Student Section (IASS)

IMAGE PROCESSING WITH MATLAB WORKSHOP



TS. SUBHASHINI
GOPAL KRISHNAN
APRIL 2022



APU MALAYSIA
STUDENT CHAPTER

Institution of
MECHANICAL
ENGINEERS

APU
ASIA PACIFIC UNIVERSITY
OF TECHNOLOGY & INNOVATION

Matlab Workshop

Topic: Image Processing

LIVE WEBINAR

Date: 23th April 2022
Time: 2 pm - 5 pm
Location: Auditorium 4
Teams Code:blablaba
Early Birds Fee: RM 5
Normal Price: RM 10
Speaker: Assoc. Prof. Dr. Thang Ka Fei

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Institution of Mechanical Engineers (IMechE)

WORKSHOP WITH DR FREDDY

DR. ARUN SEERALAN
MARCH 2022

This engineering workshop was organized by the APU student council with the aim of helping engineering students from APU by providing the students with hands-on practice to further their grasp on AC and DC power systems as studied in class. This workshop was held for two days due to high requests, starting from 3pm to 5pm on the 15th of March and 16th of March 2022. It was held physically at the Tech Lab on APU campus as to provide the participants with proper equipment when conducting the hands-on practice. At first, a theoretical explanation on AC and DC power systems was given to act as a refresher before participants started doing any hands-on activities. After the theoretical explanation was done, participants were taught how to measure AC and DC currents by using a multimeter. This was a good way for students to physically see the differences and behavior between AC and DC power systems in real life. After this, students were taught the steps on how to use an oscilloscope.



APU MALAYSIA
STUDENT CHAPTER

Institution of
**MECHANICAL
ENGINEERS**

Institution of Mechanical Engineers (IMechE)

APU RED WEEK MARCH 2022

DR. ARUN SEERALAN
MARCH 2022

The RED Week or Recruitment Drive Week is an annual event organized by the APU Student Council with the aim of aiding clubs and societies in the university to recruit new students. The event, which was held from the 7th of March to the 9th of March, was a hybrid event where students could visit the on-campus booths and view a 30-minutes presentation about the respective clubs over MS Teams.



A picture taken at the event

APU MALAYSIA
STUDENT CHAPTER

Institution of
**MECHANICAL
ENGINEERS**

Institution of Mechanical Engineers (IMechE)

MATLAB WORKSHOP IN COLLAB WITH IASS

DR. ARUN SEERALAN
APRIL 2022

The workshop held on the 23rd of April by IASS and IMechE. The objective of organizing a Matlab workshop was to enable students to use modern tools and techniques for image processing which may help in academic, research and industrial placement currently and in future. Image processing can be described as mathematical analyzation of an image which is necessary for applications in various areas for instance; signal processing, computer vision etc.





Asia Pacific University
SPE Student Chapter

Society of Petroleum Engineers (SPE 2022)

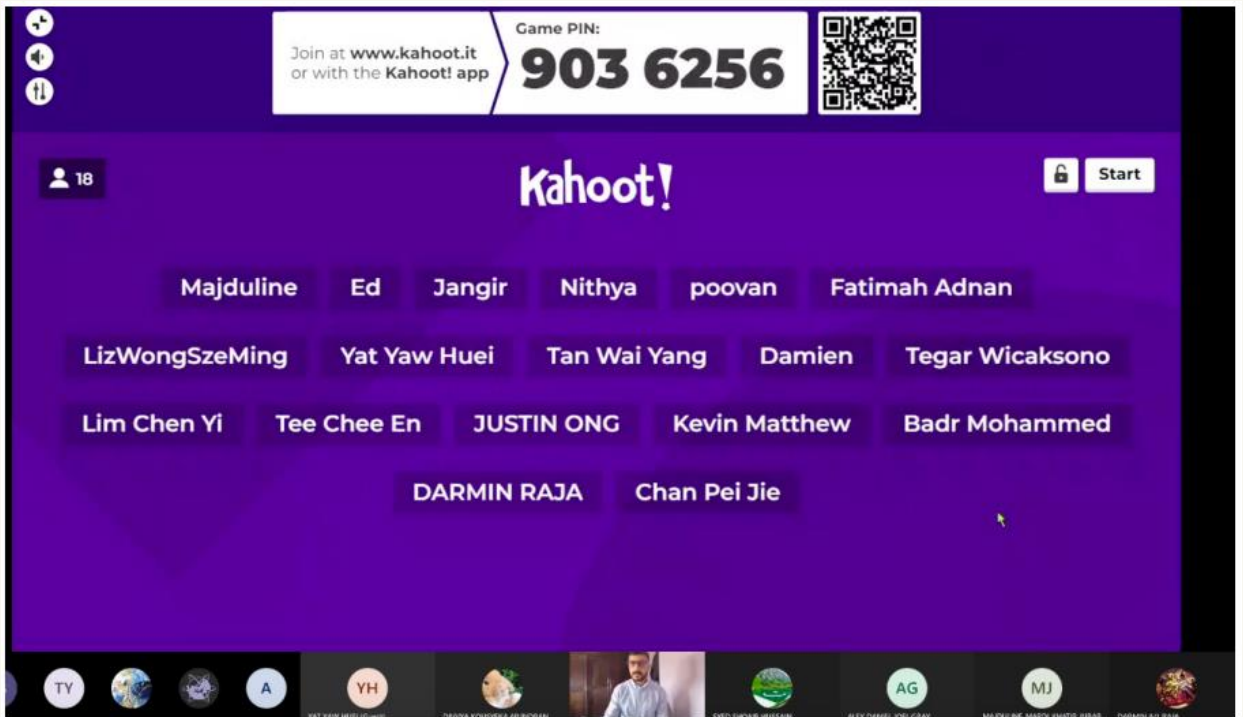
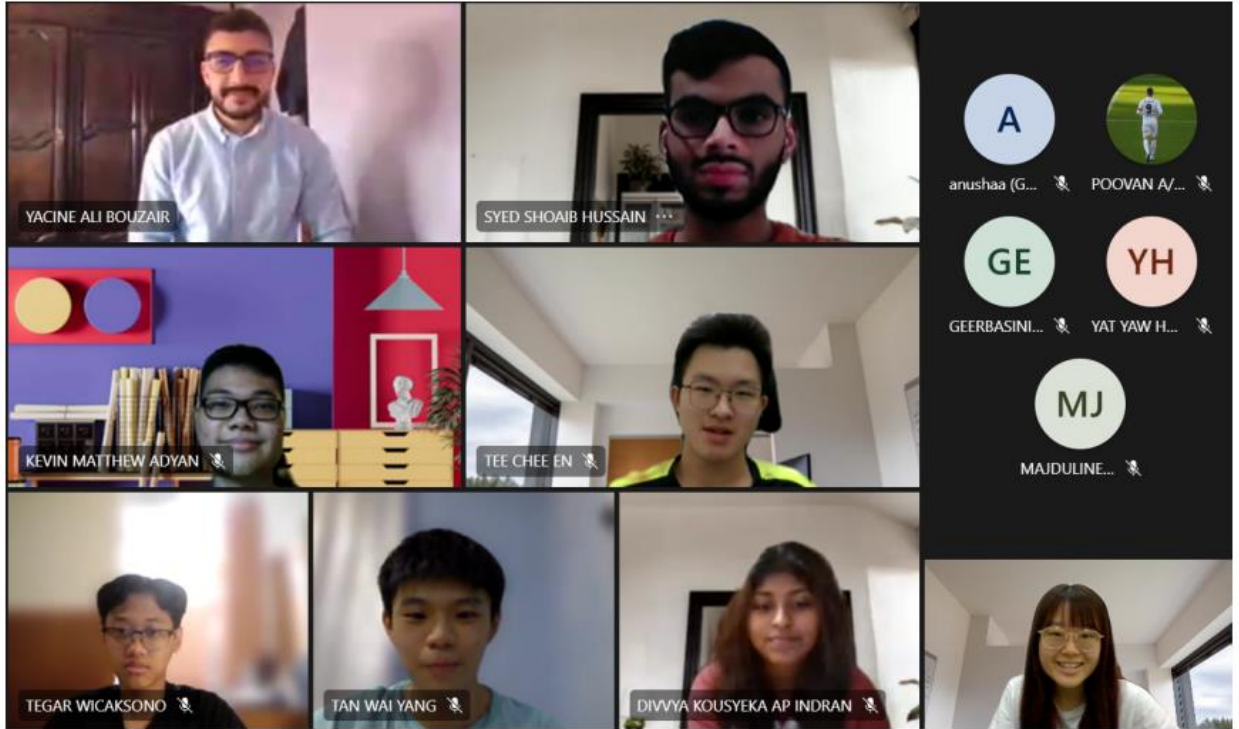
KAHOOT GAME

SPE
FEBRUARY 2022

On February 19, 2022, SPE APU officers hosted a Kahoot event which was based on Engineering questions. The question in the Kahoot consisted of different majors, but mostly from petroleum engineering. Kahoot is an online game-based learning platform where the participants are required to answer the questions that will be displayed on the screen. For this game, the participants need to have two devices, first will be used to see the questions that will be displayed on the screen and the second device will be used to choose the correct answers to those displayed questions.

Kahoot allows students to have an interactive session and students tend to like Kahoot game very much because it does not need much hard work. The participants only need to choose the correct answer to the questions displayed. We believe that it is a 'less work more knowledge' kind of game in which the participants can gain much knowledge by just pressing the correct answers. The questions that will be displayed on the screen will be related to Engineering. Since our SPE APU holds only engineering students from different majors, the questions in the Kahoot game/quiz will be related to engineering only.

The purpose of organizing this Kahoot game is to give students an opportunity to gain their knowledge related to engineering. I hope that if we all members work together to attract students for this events, we can get many students not only from APU but from outside as well. Cash prize worth RM50 were given to the top 3 winners.





Asia Pacific University
SPE Student Chapter

Society of Petroleum Engineers (SPE 2022)

S4PSE IPTC SPECIAL EDITION 2022

**SPE
FEBRUARY 2022**

On 21st to 23rd February, took place the International Petroleum Technology Conference (IPTC 2022) at the Riyadh International Convention and Exhibition Centre in Riyadh, Kingdom of Saudi Arabia, with Saudi Aramco serving as the Exclusive Host, with the theme of Fuelling Global Recovery through sustainable Energy. IPTC is a collaborative effort among the American Association of Petroleum Geologists (AAPG), the European Association of Geoscientists and Engineers (EAGE), the Society of Exploration Geophysicists (SEG), and the Society of Petroleum Engineers (SPE). Energy ministers, industry leaders, and governmental representatives joint this opportunity to discuss and share their views on timely industry topics and trends, exchange expertise and experience, present state-of-the-art technology and innovation, and to stimulate further research of technical and business activities.

In conjunction with the exhibition and the conference, 100 students were selected worldwide out of a pool of thousands of applicants to participate in the IPTC Education Week. Four students were selected from Malaysia, amongst them is the former President of the Society of Petroleum Engineers APU Student chapter – Abdallah El Badaoui. In total, it is accounted that there were more than 30 000 visitors in the 3 days conference, 85 students participated in the education week from 14 nationalities and 40 institutions. With the success of Saturday is for SPE 3.0, collaborated with 8 student chapters and 2 sections, we would like to feature another single special event on IPTC to share experience on IPTC and advise the audience on how to get such opportunities in the future. This special edition was featured with our 4 special speakers who were also a part of our S4SPE 3.0 committee. The speakers of this event are:



1. Abdallah El Badaoui is a final year Petroleum Engineering Student at Asia Pacific University and completed his internship at Total Energies Tanzania. He served as the President of the Society of Petroleum Engineers (SPE) APU Student chapter in the term 2020/2021. He is the founder of S4SPE and lead his chapter to win their first SPE Excellence award. He was named as one of the Energy Leaders for Tomorrow in 2020 by Energy Intelligence, supported by Total Energies, Saudi Aramco and Gunvor Group, recognizing 8 top graduates every year who are about to enter the Oil and Gas industry. He has represented his chapter and university in worldwide conferences, including the SPE Annual Technology Conference and Exhibition (ATCE 2021), and was one of the rapporteurs of the UN Youth Forum on crime prevention and criminal justice, Kyoto 2020.
2. Fatema Al Farsi is the president of Sultan Qaboos University (SQU)-SPE SC for the second time in a row with one year of experience working alongside with petroleum engineering team in Petroleum Development Oman-PDO as part of the first batch of Eidaad training program. She is a passionate and curious person who believes that learning is a lifelong process. She has been selected as a delegate with 100 students around the world to attend IPTC 2022 in Riyadh. Currently, she is completing her last semester of the Bachelor's degree in SQU as Petroleum and Natural Gas Engineer.
3. Bhautik Agrawal is a junior year petroleum engineering undergrad at the Indian Institute of Technology (Indian School of Mines), Dhanbad, India. He is one of the chapter officers at SPE IIT(ISM) Dhanbad Student Chapter. He was amongst the top 100 students selected IPTC representing his chapter and India, During IPTC, his team was amongst the winners of multiple awards.
4. Carollina is a final year student of Engineering Physics Department at Sepuluh Nopember Institute of Technology, Surabaya who demonstrates leadership and an ability to finish tasks given to her. Having a deep interest in product marketing and engineering, she joins a lot of organizations and competitions to sharpen her skills and way of thinking. She serves as the Director of Academia Department in Society of Petroleum Engineers Student Chapter. She is also serving as the Vice Head of Entrepreneurship Division in Catholic Community at Sepuluh Nopember Institute of Technology..

SPE SATURDAY 4

S4SPE IPTC SPECIAL EDITION

IPTC
International Petroleum Technology Conference

March 12 2022 | Saturday | 8:30pm (GMT+8)
Zoom | YouTube Live

- HEAR FROM THE IPTC 2022 DELEGATES -

			
Abdallah El Badaoui SPE APU SC Malaysia	Fatema Sulaiman Al Farsi SPE Sultan Qaboos SC Oman	Bhautik Agrawal SPE IIT (ISM) SC India	Carollina Kusumawidjaya SPE ITS SC Indonesia

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Asia Pacific University
SPE Student Chapter

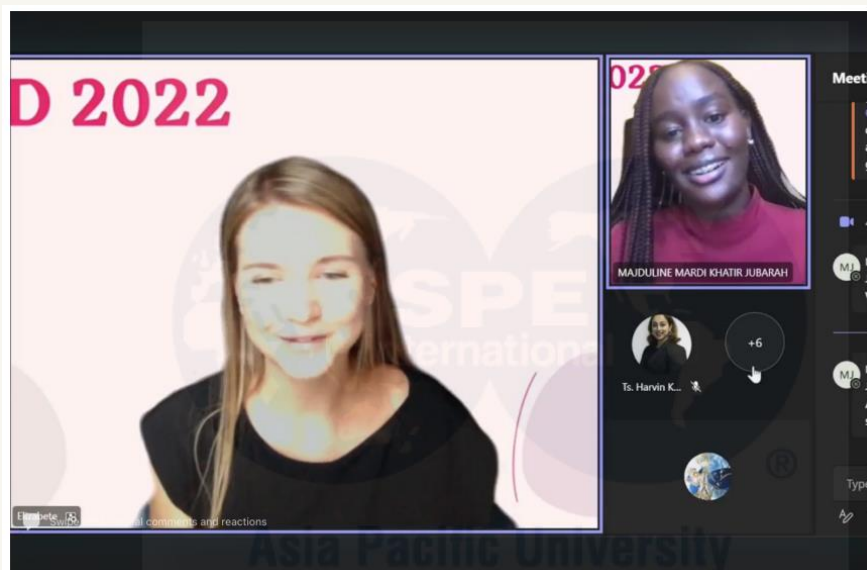
Society of Petroleum Engineers (SPE 2022)

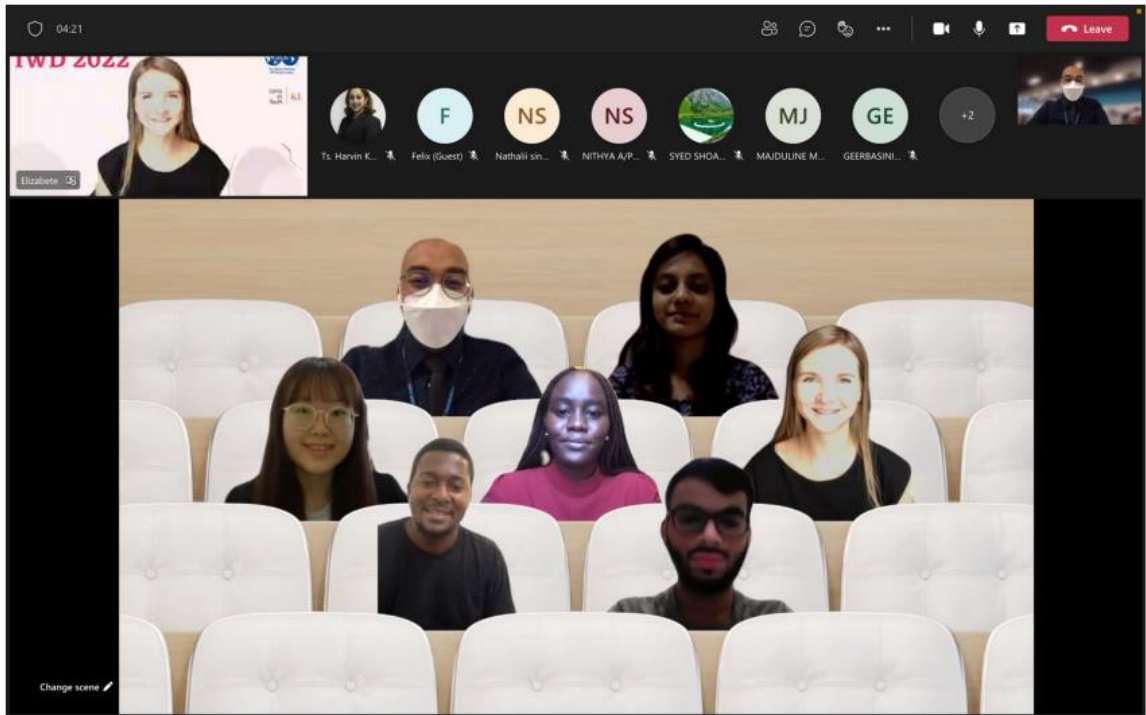
INTERNATIONAL WOMEN'S DAY 2022

SPE
MARCH 2022

Imagine a future where men and women are treated equally. A world without prejudice, stereotypes, or discrimination. A varied, equal, and inclusive world. A world in which diversity is cherished and celebrated. We can achieve women's equality by working together. We can all #BreakTheBias if we work together.

International Women's Day is observed every year on March 8th. This day is celebrated worldwide to recognize a woman's accomplishments and applaud how far they have come empower the young females in the industry. In conjunction with IWD 2022, SPE APU SC has organized an event to recognize women's outstanding achievements, raise awareness and to promote women's right. Our guest speaker is Elizabete Kalnozola, the Managing Director of Girls in Tech Kuala Lumpur, a non-profit organization devoted to empowering, educating and engaging women in the tech industry. It is Girls in Tech's mission to support women with the access and community they need to succeed in tech. No stranger to working in the Tech Industry, Elizabete is the Program Director for iTrain Asia, an IT Education company in Singapore. She has organised workshops in collaboration with Microsoft's initiative Code; Without Barriers bringing free Artificial Intelligence and Data Science training to around 1000 women in the Asia Pacific. Elizabete holds a bachelor's degree in Finance and Economics from the Stockholm School of Economics in Riga and a Master's in Business Administration from Universiti Putra Malaysia.







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Society of Petroleum Engineers (SPE 2022)

CODE; WITHOUT BARRIERS HACKATHON


SPE
APRIL – MAY 2022

Microsoft's upcoming code; Without Barriers Hackathon is SPE APU SC's first ever collaboration event with Girls in Tech. Girls in Tech works to erase the gender gap. Today, every industry is a tech industry, with a need for people of all skills and backgrounds. They offer education and experience to help people to discover their unique superpower and hone it. They aim to see every woman accepted, confident, and valued in tech-just as they are. This Hackathon is part of the #codewithoutbarriers initiative, sponsored by Microsoft, organized by iTrain Asia Pte Ltd (Singapore) and supported by Girls in Tech, Inc APAC, exclusively for women to foster more diversity and inclusion in the developer community and beyond.

The participants will be under the mentorship of Microsoft's experts to solve a real-world problem faced by one of their clients. During the Hackathon, the participants will network with Microsoft leaders, other students, working adults, tech enthusiasts from different top universities and companies from all over Southeast Asia. The solutions will be judged by a joint panel of industry experts and Microsoft's Leaders. The hackathon will upskill and ultimately provide hands-on experience solving real-life problems that matters globally. This is an individually hackathon for women in APAC and is held fully office.

The hackathon is completely free of charge and it's an individual hackathon. The hackathon will be conducted fully online and will have program sessions once a week for 2 hours which the participants are encouraged to attend, and the session will also be recorded. Most importantly, all the participants will be having a mentor that guides them throughout. During the finals, only the best statement solution candidates will be invited to an exclusive interview session during the event that will be held in person at Microsoft Malaysia office and livestreamed for attendees to join from across APAC. 50 registrants from Malaysia with Azure certification will be selected to join us for the in-person event hosted at Microsoft Malaysia office based on a first come first serve basis. This a great opportunity for them to network with tech industry leaders.

Problem statements and winning prizes up to \$2500 and job opportunities are provided by Accenture, HCL Technologies, Government Big Data Institute – GBDI, Just Analytics by Rackspace and CIMB.

Sponsored by:  Microsoft

Organized by:  iTrainAsia™ Girls in Tech™

CODE; WITHOUT BARRIERS HACKATHON

CODING SPRINT 12TH APRIL - 16TH MAY

Supported by:

