

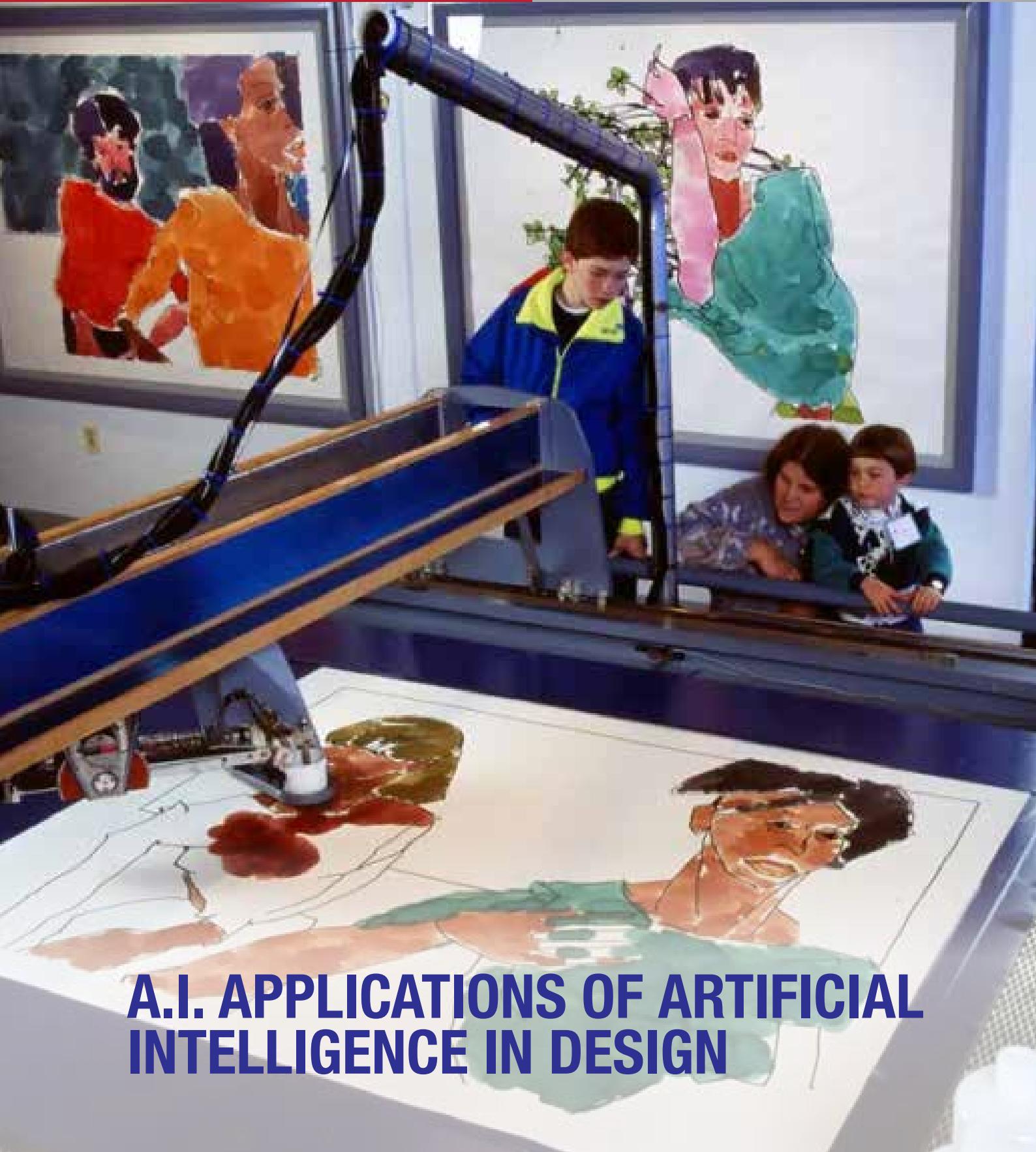
Sensasi FRSB



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MAY 2023 | BIL: 29

PERTANIAN • INOVASI • KEHIDUPAN



A.I. APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN DESIGN

KANDUNGAN

01.

TINTA KATA DEKAN

ARTIKEL KEPAKARAN

02.

Jabatan Rekabentuk Perindustrian
*APPLICATIONS OF
ARTIFICIAL INTELLIGENCE (AI) IN DESIGN*

08.

Jabatan Senibina
"SUSTAINABLE ARCHITECTURE"

BERITA

10.

3D TAMIL CALLIGRAPHY SHINES AT .MY UA DAY '2023

12.

*ARCHITECTURE & ON-FIELD LEARNING:
A SITE VISIT TO IMPACT INTEGRATED
COMPLEX, PUCHONG*

16.

LAWATAN PUSAT KOREKSIONAL JASIN
KE FRSB UNTUK KOLABORASI 'GREEN
PRISON' YANG PERTAMA DI MALAYSIA.

18.

*RESEARCH COLLABORATION BETWEEN
UNIVERSITI PUTRA MALAYSIA (UPM) AND
KYUSHU INSTITUTE OF TECHNOLOGY
(KYUTECH), JAPAN: EXPLORING
PSYCHOLOGICAL AND AESTHETIC
APPROACHES OF GREEN STORMWATER
INFRASTRUCTURE FACILITIES IN THE
URBAN CITIES OF MALAYSIA AND JAPAN.*

22.

AUDIT DALAMAN FAKULTI REKABENTUK
DAN SENIBINA UNTUK TAHUN 2023

24.

'ANDA OKAY? SAYA OKAY? KITA OKAY
BERSAMA': SESI PERKONGSIAN OLEH PN.
RAFIDAH SADARUDIN

26.

MAJLIS SAMBUTAN MEGA RAYA
AIDILFITRI 1444H/ 2023M UPM
(GABUNGAN KLUSTER C)

28.

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Assalamualikum

dan Salam Sejahtera,

T.A.B.L.I.G.H

Dua sifat terpuji Rasulullah s.a.w telah pun kita sentuh dalam 2 terbitan sebelum ini adalah sifat Amanah dan Siddiq. Sifat ketiga adalah tabligh yang bermaksud menyampaikan. Definisi menyampaikan disini adalah menyampaikan berita dan perkhabaran hal kebaikan serta perkara-perkara yang membawa kebaikan.

Apabila menyampaikan sesuatu perkhabaran atau berita, perkara tersebut harus disampaikan dengan jelas, kebenaran tentang perkara tersebut perlulah sahih dan adab ketika menyampaikan perlulah menggunakan perkataan-perkataan yang baik tanpa menyentuh sensitiviti dan tidak menyinggung atau menyakiti perasaan mana-mana pihak.

Dalam mengaplikasikan sifat tabligh dalam kehidupan kita, tidak kira semasa berurusan dengan ahli keluarga atau pun rakan sekerja mahupun semasa bermasyarakat dalam aktiviti sosial, sifat menyampaikan ini, *by default* perlu ada. Antara contoh paling mudah yang boleh dilakukan setiap hari adalah bertutur dengan kata yang sopan dan menyapa dengan mengucapkan salam.

Ketika menyampaikan ilmu kepada para pelajar, ilmu yang disampaikan perlu disulami dengan mesej-mesej kebaikan. Kata-kata nasihat yang baik serta kisah-kisah moral yang membawa kebaikan boleh kita ceritakan kepada para pelajar agar mereka mendapat pengajaran dan dapat diaplikasikan dalam kehidupan mereka.

Pendek kata, sifat tabligh ini tidak sukar untuk diamalkan dalam kehidupan seharian kita. Setiap manusia, merentasi bangsa dan agama mampu melaksanakan sifat ini kerana timbal baliknya juga adalah kebaikan. Maka sesuailah dengan hadis Riwayat Bukhari dan Muslim ; " Barangsiapa yang beriman kepada Allah dan hari akhirat, maka hendaklah dia berkata yang baik , jika tidak maka diamlah"

Saya merasakan jika kita dapat melaksanakan sifat tabligh ini dengan ikhlas, baik dan berkesan, kita semua yang bekerja di institusi pengajian tinggi secara tidak langsung menjunjung nilai utama universiti iaitu menyampaikan perkara yang benar dengan adab atau etika yang tinggi. Kita mengajar perkara yang benar, kita melakukan penyelidikan untuk mengetahui yang benar dan kita menjalankan aktiviti jaringan kerana kita tidak muhu kebenaran terhenti di menara gading sahaja. Kita percaya kebenaran dan kebaikan perlu keluar mengalir dan disampaikan kepada masyarakat demi kemakmuran negara. Fikirkanlah.

DEKAN

APPLICATIONS OF A.I. ARTIFICIAL INTELLIGENCE IN DESIGN

Ts. Dr. Khairul Manami Kamarudin

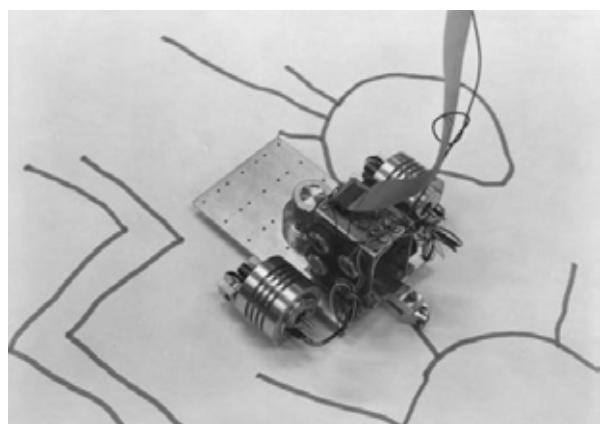
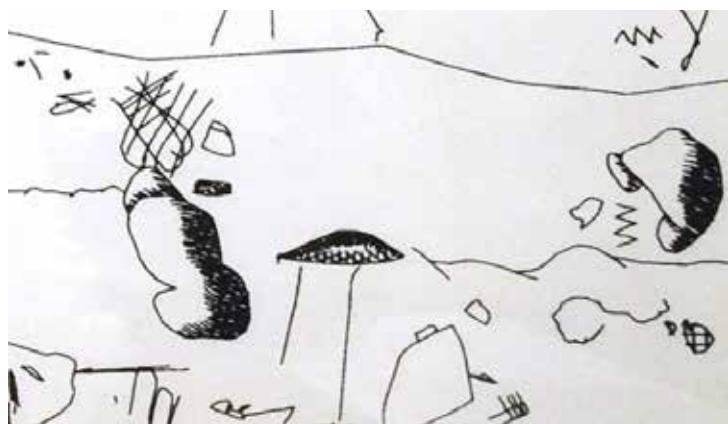
The earliest application of Artificial Intelligence (AI) was a computer chess game developed by IBM called the "Deep Blue" supercomputer, beating world chess champion Garry Kasparov on 11th May 1997. In later years, AI has helped in the development of affective and emotional "Kismet Robot" (1998) by MIT's Dr. Cynthia, "Roomba" the autonomous robotic vacuum cleaners (2002) by iRobot company, "Siri" of Apple iPhone (2008) and "Alexa" of Amazon (2014), both are a virtual assistant tool, as well as "Sophia"; a social humanoid robot developed by Hong Kong's Hanson Robotics in 2016.

In recent years, specifically late 2022 is the booming time of AI applications in many fields especially in creative art. It was a fun, harmless and an eureka

way to explore combinations of art and smart digital experience. Now, it has become a professional discourse. Here are some examples of AI applications in design:

AI in Paintings

The history of AI application in paintings started in 1973 by a Visual Art professor at the University of California, San Diego, Professor Harold Cohen. He created a computer program called AARON that can do abstract drawings. Cohen developed a "turtle" robot that allows AARON to produce physical artwork with black ink and then Cohen himself coloured the paintings. Later, AARON is enhanced with Lisp Programming Language inside a flatbed plotter machine that can do colouring capabilities.



Left: Untitled AARON drawing, ca. 1980. Right: AARON "turtle" machine, doing drawings
(Both images source: computerhistory.org (2016))



Cohen (standing right) with a painting machine at the Computer Museum in Boston in 1995
(Source: nytimes.com (2016)).

In 2018, a famous and controversial digital painting created by "Obvious" from Paris, "Edmond De Belamy" from the "La Famille De Belamy" painting collections was claimed as the first AI-generated portrait painting. Obvious developer claimed that they are using a trained algorithm with inputs from 15,000 portraits, painted a man dressed in a dark coat with a white collar, with a blurry-man image, signed with a mathematical formula " $\min G \max D \mathbb{E}[\log(D(x))] + \mathbb{E}[z \log(1 - D(G(z)))]$ ", the algorithm used to create Obvious. The painting is currently auctioned for USD432,500 in Christie's New York. What is controversial about Edmond De Belamy painting is that the coding for the painting was found borrowed from open-source licence algorithm Generative Adversarial Network (GAN) codes from the work of Robbie Barrat, who is also a graphic designer, based in the US.



"Edmond De Belamy" (2018) at the wall of Christie's New York auction house
(Source: nytimes.com (2018))

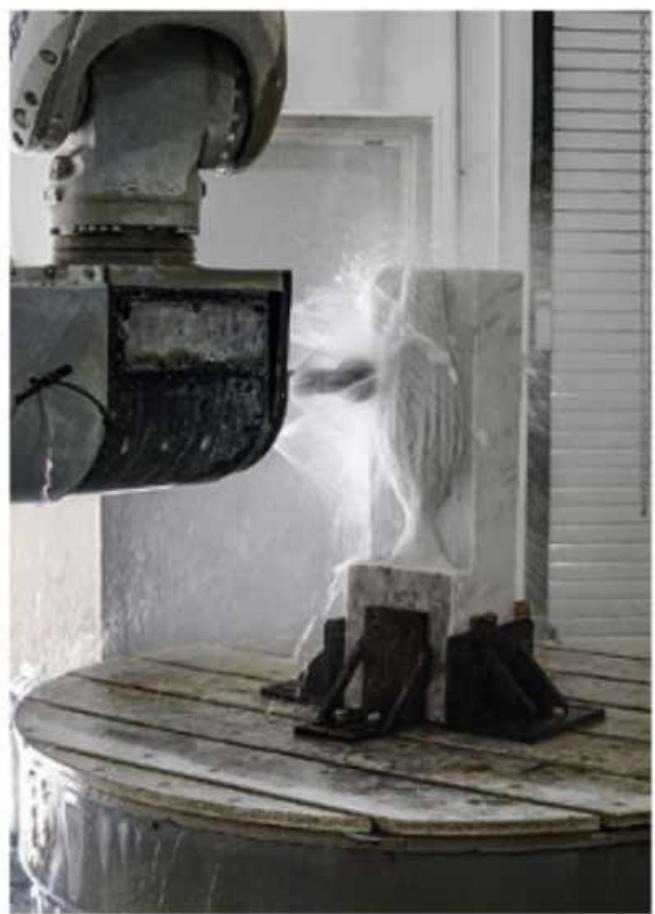
AI in Sculpture Design

Another significant AI artworks are a collection of sculpted stone vases named "RIPPLE" from the designer Layth Mahdi, an Iraqi-born UAE-based architect and designer. He is an avid robotic fabricator that uses AI in most of his works, in fact, created the highly advanced robot himself to sculpt solid and rigid material into the looks of very fluid, organic and lightweight. The pieces have undulating surfaces and fluid forms that were machined using 7-Axis robots. Each of the vases took about seven to eight hours to sculpt. "The robot for me acts as a digital, very flexible yet precise carver. I believe the future is collaborative," Mahdi stated.



Left: The RIPPLE vases collection
(Source: [dezeen.com \(2019\)](https://www.dezeen.com/2019/05/15/layth-mahdi-riptide-stone-vases/))

Right: Layth Mahdi
(Source: [pressreader.com \(2019\)](https://www.pressreader.com/2019/05/15/layth-mahdi-riptide-stone-vases/))



The RIPPLE pieces feature fluid forms and undulating surfaces that are milled by 7-Axis robots
(Source: [dezeen.com \(2019\)](https://www.dezeen.com/2019/05/15/layth-mahdi-riptide-stone-vases/))

AI in Furniture Design

The first chair ever developed by AI and in production was designed by Philippe Starck and an Italian furniture company, Kartell. The chair is aptly named "A.I.". Starck compared the design process to a dialogue with an algorithm that can create a strong, stable chair using minimal material. The design process gave inputs to the Autodesk AI software to learn both Starck's futuristic approach to design and Kartell's aesthetic preferences. In the process of 3D CAD modelling, both Starck and Kartell join forces with Autodesk to build the plastic furniture masterpiece. The programme was instructed on the injection moulding manufacturing machine.

Another furniture design projects using AI are the works of Philipp Schmitt & Steffen Weiss, called "The chAlr project". Most of their works are conceptual and not in production yet but the AI-designed furniture is very interesting and unique. They believe human and AI co-creativity can possibly extend human imaginative capacities.

A different approach than Starck and Kartell which uses 3D CAD, the "chAlr Project" uses 2D image GAN AI, then the designers tweak it a little bit and produce a mock prototype.



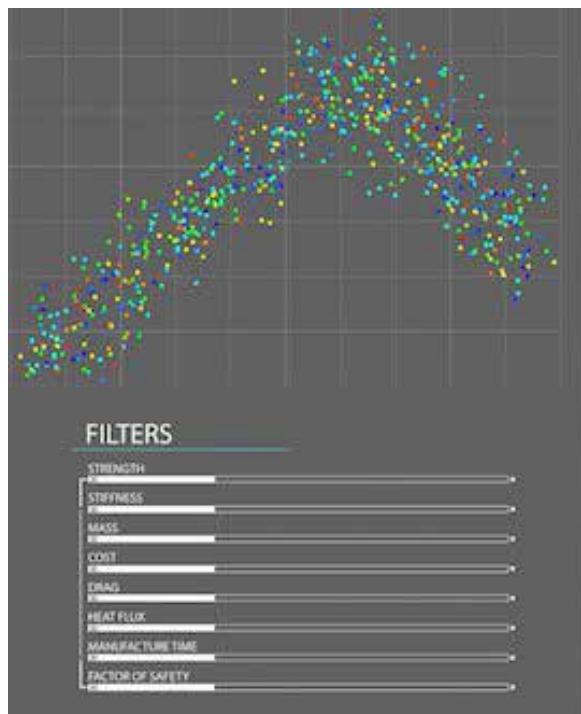
Philippe Starck with the first chair designed with AI named "A.I.", his project with Kartell, Italy
(Source: designboom.com (2020))



Egon Chair - The chAlr Project: starting from AI-generated image via sketch to prototype by Philipp Schmitt & Steffen Weiss
(Source: steffen-weiss.design.com)

AI in Product Design

AI incorporation in manufacturing design and engineering was established in the late 70s, but there was little significant progress until the late 1990s. Many computer engineers were trying to build an automated machine that can analyse, and manufacture products without human involvement. The significant expectations from AI results were to lower production costs, improve manufacturing accuracy, and reduce error. Generative Design is another name for AI, used in product design and manufacturing. Numerous industries, including manufacturing, architecture, aerospace, and consumer goods, use generative design. Generative designers usually make an effort to solve complex technical issues.



Result of AI-powered Autodesk Fusion 360 generative design of Electric Bike swing arm

(Source: blogs.autodesk.com (2018))

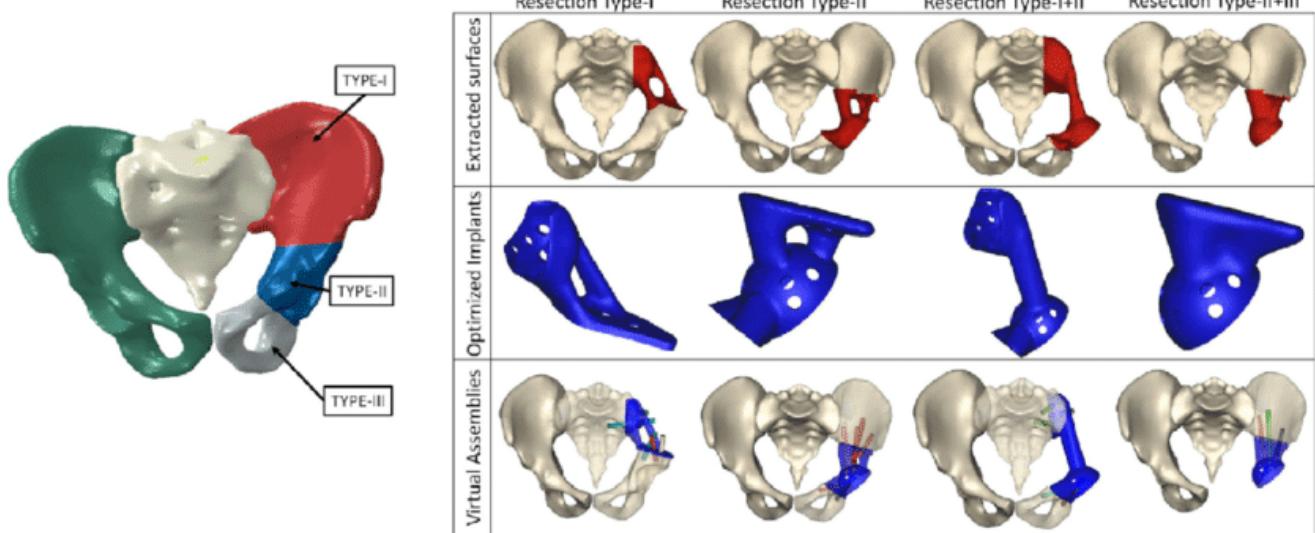
For instance, designers and engineers in the automotive manufacturing sector use generative design to reduce component weights, strengthen weak design elements, cut production costs by consolidating components, and shorten the time to market for new vehicles. Similar to this, designers in the sports equipment sector use generative design to maximise product performance while minimising production costs, as well as in medical cases, where designs of human bone replacement using generative design are evolving.



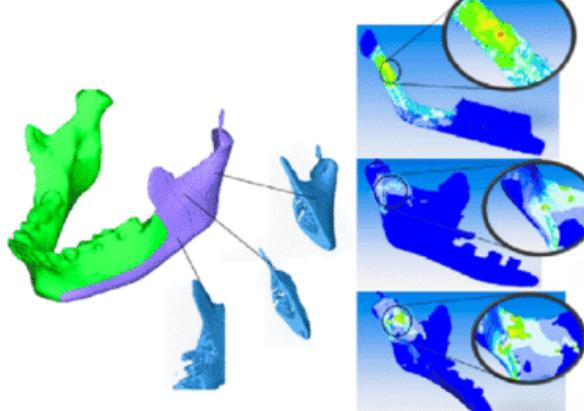
In conclusion, AI is a tool to assist artists and designers to experiment with intelligent systems and explore more creative inspiration. Although there are concerns about authenticity and artwork and design originality, copyright infringements and style replication, the

results from AI-generated artwork are at the hands of humans to decide whether to appreciate it as an art piece or to gain profit from it.

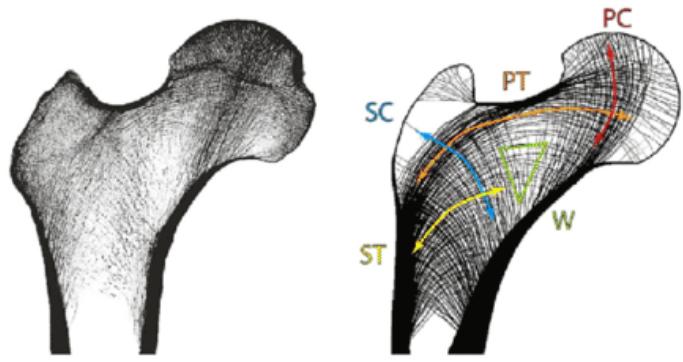
(A) Weighted multi-objective topology optimization



(B) Stress-based topology optimization



(C) Infill and perimeter control strategies



Example of generative design in bone replacement

(Source: Davoodi et. al (2021))

“Sustainable Architecture”

Dr. Sarah Salih



Universiti Putra Malaysia (UPM) is a university with a green campus on the Ui-Greenmetric World University Rankings (Source: upm.edu.my)

What is Sustainable Architecture

Sustainable architecture refers to architecture designed to minimize the negative impact on the environment through reducing the consumption of energy and ecological conservation in the design approach of the built environment. Sustainability is a general term that refers to the ability to maintain or develop a process, such as architecture, without depleting natural resources in the long run. The term "sustainability" has been applied extensively to many

activities recently. The concept of sustainability is composed of three pillars "environmental," "social," and "economic." Therefore, in order to achieve sustainable development should meet the three pillars of sustainability. In architecture and design development, there is a strong demand for sustainable solutions that consider the three pillars.

History of Sustainable Architecture

Though the term "sustainable architecture" has been introduced in the past decade or so, the concept of sustainability in architecture isn't new. Probably the history of the concept dates to ancient civilizations. For example, ancient Malaysian houses or "rumah kampung" was constructed by the indigenous ethnic Malay people using bamboo or wood as a principal material. However, the Industrial Revolution in 1760 led to the growth of heavy industrial materials that had a negative impact on the environment. In the Late 80s, the world realized critical environmental issues of energy consumption and the use of human resources and the need to resort to more sustainable solutions. Finally, the United Nations announced a report on sustainable development, defined as development that meets the needs of the present without compromising the ability of future generations to meet their own needs. The new concept of "sustainable architecture" was induced early by American Architect Bob Berkebile in the 90s, who had a proactive position about the future of architecture. Over the past 20 years, the building industry has faced an increasing demand for more "sustainable" solutions.

Why "Sustainable Architecture"

Currently, buildings are the largest energy consumers in the world economy, accounting for over one-third of final energy use and nearly 40% of energy-related CO₂ emissions. In Malaysia, buildings also consume up to 40% of the total energy in the country. Along with energy consumption, the main issue could be the construction industry and using unsustainable building materials, such as concrete and reinforced concrete. As a consequence and to provide sufficient sustainable architecture, the building industry is required to provide building space with fewer materials and less energy consumption. Therefore, in the last 20 years, "sustainable architecture" has become a real mainstream for implementing a more efficient architecture that promotes environmental, economic, and social benefits.



Paramit Factory, Malaysia: won the MGBC's Best New Green Factory category (Source: constructionplusasia.com)

3D TAMIL CALLIGRAPHY SHINES AT .MY UA DAY 2023

Ts. Dr. Velu Perumal



The Malaysian Communications and Multimedia Commission (MCMC) hosted Malaysia's Universal Acceptance Day, .MY UA DAY 2023, with the theme "Internet for All." This event coincided with the global celebration of Global Universal Acceptance Day on March 28, 2023.

Universal Acceptance (UA) ensures equal access to new Top-Level Domains (TLDs), Internationalized Domain Names (IDNs), and email addresses using Unicode characters. UA enables these domain names and email addresses to be accessible across the internet by all applications, devices, and systems, fostering a multilingual Internet ecosystem.

IDNs allow internet users to access domain names in multiple scripts and languages, promoting inclusivity for users of different languages.

To raise awareness and promote UA, the Malaysian Communications and Multimedia Commission, in collaboration with MYNIC Berhad and ICANN, organized .MY UA DAY 2023.

This initiative aims to educate stakeholders about the benefits of UA and enables individuals to use the internet effectively in their preferred language and script, including Jawi, Chinese, and Tamil.

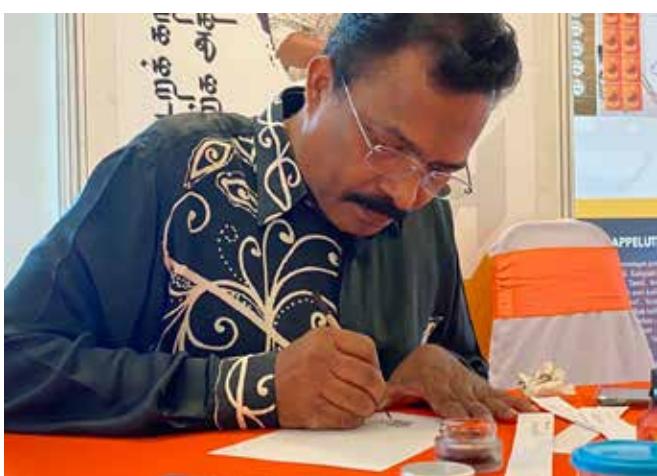


Approximately 2,110 registered users in Malaysia have embraced IDNs and email addresses in Jawi, Chinese, and Tamil scripts, according to the Malaysian Communications and Multimedia Commission (MCMC). To honor these scripts and enhance the celebration, the MCMC organized a calligraphy exhibition at the MCMC Center of Excellence in Cyberjaya.

The exhibition showcased captivating calligraphy art in Jawi, Chinese, and Tamil, attracting enthusiastic visitors.

Ts Dr. Velu Perumal, a senior lecturer from the Department of Industrial Design, Faculty of Design and Architecture wowed visitors with a stunning 3D Tamil calligraphy exhibition that beautifully fused calligraphy art and industrial design.

This captivating display received high praise. Additionally, the exhibition featured the remarkable nest table by Ts. Prof. Dr. Khairul Aidil Azlin Abd Rahman, further enhancing the event's artistic appeal.



ARCHITECTURE & ON-FIELD LEARNING: A SITE VISIT TO IMPACT INTEGRATED COMPLEX, PUCHONG

Dr. Sarah Salih, Lavinnya, Noor Daniel Ikmal, & Eddie Irvine George





Architecture is one of the most challenging courses and careers that one can study and practice. It is an exceptional course depending on the student's abilities, imagination, and passion and the lecturers' passion and creativity. As a lecturer, you should keep your students motivated all the time. You should be close to them and touch their passion to bring out the best in them. Lecturers should usually search for a new teaching approach to make architecture study attractive for this generation of future architects, as the traditional teaching approach is not practical anymore, especially with the modern life challenges of the generation gap and the effect of social media. Therefore, Field-Based Learning should be activated as a part of the architecture teaching approach to emphasize the students' critical thinking and group work on the field. Therefore, as a part of the syllabus at the Department of Architecture, Faculty of Design and Architecture (FRSB), Universiti Putra Malaysia (UPM), Year 2 Students (Elysia Students) have conducted an enjoyable site visit to Impact Integrated Building at Puchong, on May 11th 2023.

This complex "Impact Integrated Malaysia" provides different activities designed for "Youth," and driven by Malaysian youths under the purview of the Ministry of Youth & Sports, such as Picksum, SpaceRubix, ESI, WNZ Sports, and mySukan. The Elysian students learned many exciting things during an amusing tour of the Impact Integrated Buildings, as Mr Muhammad Salahuddin Bin Md Nor took us around the Impact Integrated Buildings. We were also able to participate in physical and sports activities. These kinds of interactive site visits can contribute to more meaningful knowledge. It was another fantastic day with Elysian Students. We have learned many meaningful things about Architecture on this excellent tour at Impact Integrated Buildings. We also enjoyed the authentic Malaysian hospitality of the owners of WNZ Sports Arena and SpaceRubix sports facilities operator, Mr Nik Muhd Radzi bin Mohamed Noor, who provided us with Free Extra-Large Packs of Milo.

(Lavinnya)

The "Elysia Architecture Students" went on a studio trip to study and analyze the building materials and spatial organization of Impact Malaysia located in Puchong. This academic visit provided us with valuable insights and ideas that can be incorporated into our future architectural designs. During the trip, we were able to examine the materials used in the construction of the building, including the eco-friendly materials that are utilized to reduce the building's carbon footprint. The students were encouraged to take notes and sketches of the building's features, which they later used in their studio projects. The building is a multi-purpose facility designed to host various activities and events. The building has a total floor area of 46,000 square meters and is divided into several zones. One of the zones of the building is dedicated to sports and recreation. We were able to observe and experience some of the activities that took place in this zone, such as the gym, a Muay Thai centre, and game courts. Aside from the sports and recreation zone, Impact Malaysia also has other zones such as the exhibition halls, conference rooms, and co-working spaces. The building's program and function are designed to cater to various needs and activities for "Youth." It serves as a hub for sports, recreation, events, and business, all in one convenient location. The trip provided us with first-hand experience of the building's functionalities, which we can use as reference in our future architectural projects.

Overall, the studio trip to Impact Malaysia was an enriching experience for us "Elysia Students". We were able to gain valuable insights and knowledge about sustainable design, building materials, and spatial organization, which can be incorporated into our future architectural projects. The visit was a great success and provided the students with hands-on experience which is invaluable for their future careers as architects. "It was really an exciting field trip; we learned a lot and had a fun time with each other. I think that's what made this entire trip much more interesting," said Zahirah, a member of Elysia. The trip provided the students with a unique opportunity to not only learn but also engage in sports and recreational activities, which made the experience more enjoyable and memorable.

**(Noor Daniel Ikmal)**

During this academic visit, we were introduced to the main area of the building and various types of activities carried out there, such as recording studios, public activity areas and administrative areas. The area were very attractive, user-friendly, and unique and provides a variety of places suitable for photography and recreation. We managed to consider a few unique features and materials used for their buildings as references for the student life centre, the current design studio project. As soon as our journey at Impact Malaysia ends, we went to the adjacent building called

SpaceRubix, located behind the administrative wings. We were amazed by the colourful and bizarre facade outside the building. The facade seems to depict that this is a place to play and have fun. Even more surprising, the SpaceRubix is full of gaming rooms decorated in a futuristic style with the use of coloured led lights and the arrangement of spaces such as multimedia rooms, broadcast rooms, and training rooms were very well organized. We enjoyed the trip so much and wish to be here again.

(Eddie Irvine George)

The main building of Impact Integrated is "SpaceRubix," comes with a rainbow and colourful façade which brings a sense of joy and relatable to the function and programmes of the building. We, "Elysian", spent almost 3 hours at Impact Malaysia learning and looking at spatial programming. After the lunch break, we went to the sports area behind "SpaceRubix." Firstly, we explored the gymnasium and tried all the facilities at the gym. The completed facilities bring a sense of satisfaction. Other than that, we tried the free trial Muay Thai session given by the trainer; 30 minutes spending time doing Muay Thai training was exciting. After we tried Muay Thai, our coordinator gave us almost 2

hours to spend on the court provided by Impact Malaysia. We divided ourselves into two groups to have an exciting recreational experience on the sports field. Most of us played dodgeball, which was much more exciting, and spent time together as classmates. The other group played futsal joined by Dr Sarah. We spent invaluable experiences together, creating new bonding between us and the lecturers. I wish we could experience the same again. Thank you very much to our department, the Department of Architecture, UPM, Impact Malaysia and Mr Salah for allowing us to be on this exciting trip.



LAWATAN PUSAT KOREKSIONAL JASIN KE FRSB UNTUK KOLABORASI **'GREEN PRISON'** YANG PERTAMA DI MALAYSIA.

Prof. Madya Dr. Shureen Faris Abd. Shukor



Photo 1- Perbincangan besama Tuan Dekan serta wakil dari Pusat Koreksional Jasin serta Jabatan Landskap Negara

Satu kunjungan dari Pusat Koreksional Jasin di bawah Jabatan Penjara Malaysia telah diadakan pada 4 April 2023 yang lalu. Lawatan ini telah diketuai oleh PKP Mohd Idlan Jamil iaitu Pengrahy Pusat Koreksional Jasin. Tujuan lawatan ini adalah untuk berbincang mengenai program libat sama pusat tersebut bersama fakulti dalam penghasilan reka bentuk 'green prison'. Pusat Koreksional Jasin bercadang mendapatkan khidmat nasihat mengenai reka bentuk penjara yang lebih berciri terapi serta berkonsepkan '*rehabilitation through*

nature'. Perbincangan ini juga disertai oleh wakil dari Jabatan Landskap Negara yang telah memberikan input mengenai pemilihan spesis tanaman.

Tuan Dekan FRSB telah menerima kunjungan mereka bersama dengan wakil dari Jabatan Senibina Landskap, Prof Madya Dr. Shureen Faris. Dr. Shureen akan bekerjasama dengan Pusat Koreksional Jasin dalam memberi input untuk penghasilan reka bentuk persekitaran penjara yang mampu menyokong kesihatan mental serta fizikal para penghuni serta staf.



Photo 2- Gambar kumpulan wakil dari FRSB, Pusat Koreksional Jasin serta Jabatan Landskap Negara



Photo 3- Cenderamata dari Pusat Koreksional Jasin yang merupakan hasil tanaman yang diusahakan oleh para penghuni penjara.

RESEARCH COLLABORATION
BETWEEN UNIVERSITI PUTRA
MALAYSIA (UPM) AND KYUSHU
INSTITUTE OF TECHNOLOGY
(KYUTECH), JAPAN:

***Exploring
Psychological
and Aesthetic
Approaches of
Green Stormwater
Infrastructure
Facilities in the
Urban Cities of
Malaysia and Japan.***

Assoc. Prof. Ts. Dr. Sreetheran Maruthaveeran



Fig. 1 Technical visit to River Engineering & Urban Drainage Research Center (REDAC), USM on their green stormwater research.

It is such a great honor to announce the Faculty of Design and Architecture under the Department of Landscape Architecture have received an opportunity for a research collaboration with the Faculty of Engineering, Kyushu Institute of Technology, Japan. The research collaboration is in line with the matching grant between UPM and KYUTECH. The aim of this research project is to investigate the psychological and aesthetic preference for green stormwater infrastructure in urban cities in Malaysia and Japan. Besides research, two PhD students Noraqidah Mohamad and Hayato Hasegawa from both countries are also trained under this project.

The research team members for this research project:

1. Assoc. Prof. Ts. Dr. Sreetheran Maruthaveeran (Project Leader-UPM)
2. Prof. Dr. Keitaro Ito (KYUTECH)
3. Assoc. Prof. LAr. Dr. Suhardi Maulan (UPM)
4. Dr. Tomomi Sudo (KYUTECH)
5. Hayato Hasegawa (KYUTECH)
6. Noraqidah Mohamad (UPM)

Highlights of the research activities that have been conducted since Nov 2022 following the milestones of the research.

TECHNICAL VISIT TO REDAC, USM

On 16 March 2023, a technical visit to River Engineering & Urban Drainage Research Center (REDAC) has been conducted. During the visit, the team have been assisted by Dr Noor Aida Binti Saad, a Senior Lecturer and Researcher of REDAC.

The aim of the visit is to understand the roles and responsibility of REDAC, to learn on the concept and application of green sustainable urban stormwater management system (Bio-Ecological Drainage Systems (BIOECODS) and to visit the actual site with BIOECODS implementation. The information and understanding from the technical visit, especially on the overall system of green stormwater infrastructure will be applied in the literature review and questionnaire development stage for this research.

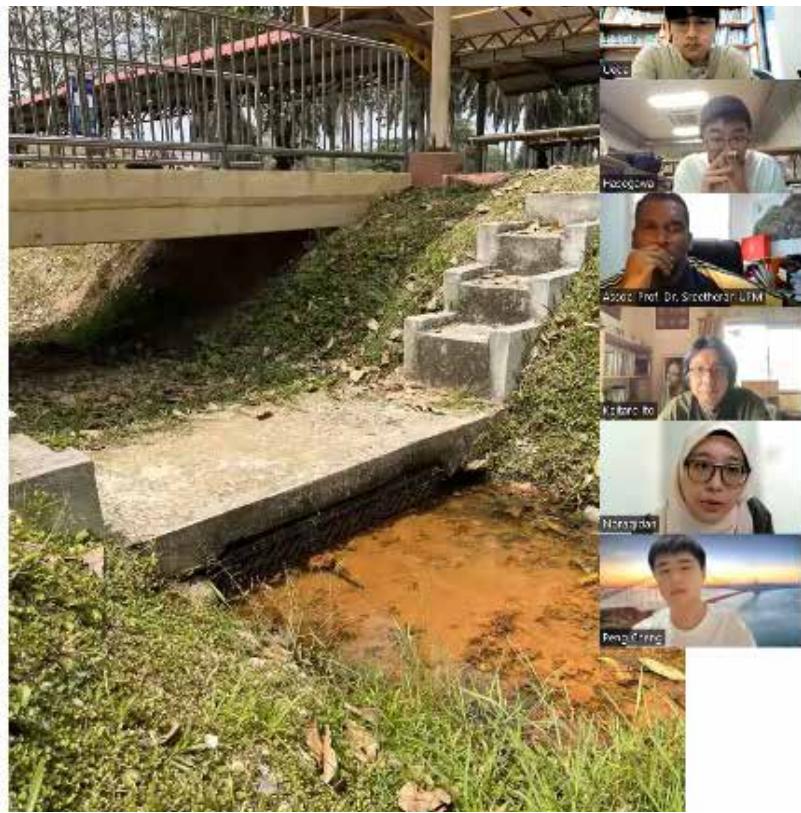


Fig. 2 Examples of green stormwater infrastructure found in REDAC, USM.

PROGRESS MEETING WITH KYUTECH COUNTERPARTS

In ensuring the research project is on track, monthly research progress meeting have been conducted between the research team members.



1st Online Meeting on 31 January 2023



2nd Online Meeting on 3 March 2023



- received several grants from the Department of Irrigation and Drainage (DID) Malaysia and Seberang Perai Municipal Council, Penang towards resolving Urban Drainage and River Engineering related problems since 1997

- Bio-Ecological Drainage System (BIOECODS) implemented at USM campus as a pilot project. It is one of alternatives listed in (Urban Stormwater Management Manual for Malaysia or MSMA) in creating an environmental friendly urban developments.



3rd Online Meeting on 19 April 2023

FUTURE RESEARCH ACTIVITIES IN COLLABORATION WITH KYUTECH

Under this research project, few research activities have been planned with the collaboration between UPM and KYUTECH. Tentatively there will be a study visit from KYUTECH to UPM around August 2023 and a return visit from UPM to KYUTECH. It is also expected that 3 research papers will be published from this research project.

This knowledge is hoped to bridge scientific knowledge in between design and engineering solution with visual sciences and to recommend design strategies to ensure the effectiveness of planning and design of GSI particularly by the Department of Irrigation and Drainage and National Landscape Department. The research team from UPM also hopes to propose Research Centre of Excellence (RCoE) at the Faculty of Design and Architecture with the model from the Environmental Design Lab in KYUTECH in the future.



AUDIT DALAMAN

FAKULTI REKABENTUK DAN SENIBINA UNTUK TAHUN 2023

Sarah Salwah Adnan

Mengikut klausula 9.2, Standard MS ISO 9001:2015, semua organisasi hendaklah menjalankan audit dalaman secara berkala bagi menyediakan maklumat bahawa sistem pengurusan kualiti sama ada ada atau tidak: (a) akur terhadap: (1) keperluan sistem pengurusan kualiti organisasi itu sendiri; (2) keperluan Standard antarabangsa ini; dan (b) dilaksanakan dan diselenggarakan secara berkesan.

Justeru itu, FRSB telah melaksanakan Audit Dalaman Sistem Pengurusan Kualiti QMS ISO 9001:2015 pada 30

dan 31 Mei 2023 dengan diketuai oleh En. Shahriman Hashim sebagai Ketua Juruaudit. En. Shahriman merupakan Ketua Pentadbiran Pejabat Timbalan Naib Canselor (Penyelidikan dan Inovasi), dan beliau dibantu oleh 12 orang Juruaudit FRSB dan seorang Juruaudit Pelatih. Setinggi-tinggi penghargaan dan ucapan terima kasih diberikan kepada Ketua Juruaudit, En. Shahriman Hashim, Barisan Juruaudit Dalaman FRSB, Ts. Asmadi Sarun (Timbalan Penyelaras Audit Dalam (TPAD), Pn. Madiha Hailani (Timbalan Penyelaras Kawalan Dokumen (TPKD)/ Urusetia), Dr. Jamali Janib

(Timbalan Penyelaras Latihan Staf (TPLS), Pn. Nurazlin Jaafar (Timbalan Penyelaras Kepuasan Pelanggan (TPKP), Pn. Norasyidah Mohd Noor (Pegawai Rekod Jabatan) dan semua staf FRSB yang telah memberikan komitmen yang sangat hebat ke arah memastikan proses audit dalaman FRSB mencapai hasrat dan matlamatnya.

Barisan Juruaudit FRSB untuk tahun 2023 yang telah bertugas adalah Dr. Jamali Janib, Pn. Nurazlin Jaafar, Pn. Nurhasmilaazra Abdul Halim, En. Muhammad Azlan Abdullah, En. Mohd Syukrey Ismail, Pn. Madiha Hailani, Pn. Hasmah Md. Isa, Pn. Nursyida Mansor, Pn. Aswamanisa Ahmad, Pn. Rafeah Mat Daud, En. Mohd Hamizan Afiq Halimi dan Pn. Norasyidah Mohd Noor. Manakala Juruaudit Pelatih FRSB pula adalah En. Mohd Kamil Ismail.

FRSB juga telah menjalani Audit Dalaman untuk Sistem Pengurusan Keselamatan Maklumat (ISMS) ISO/IEC 27001:2013 pada 2 Jun 2023 dengan Ketua Juruauditnya adalah Pn. Juita Md. Tahir daripada Fakulti Perhutanan dan Alam Sekitar, dan Dr. Jamali Janib serta staf daripada Pejabat TDAH dan Pembantu kepada Ketua Jabatan telah beraksi sebagai Auditee. Proses audit turut ditemani oleh En. Arizy Valentino Ramli dan Pn. Nurazlin Jaafar.

Pihak FRSB merakamkan ucapan jutaan terima kasih di atas komitmen dan kerja keras semua staf dan pasukan juga urusetia audit dalaman FRSB di dalam memastikan semua aktiviti dan proses melibatkan skop utama dan skop sokongan berjalan lancar mengikut Prosedur, Garis Panduan atau Dokumen yang diterima pakai oleh UPM.



'ANDA OKAY? SAYA OKAY? KITA OKAY BERSAMA': SESI PERKONGSIAN OLEH PN. RAFIDAH SADARUDIN

Sarah Salwah Adnan



Sesi perkongsian bertajuk 'Anda okay? Saya okay? Kita okay bersama' telah diadakan pada 13 April 2023 yang lalu dan dihadiri oleh 30 orang yang terdiri daripada staf Fakulti Rekabentuk dan Senibina (FRSB) dan staf daripada Pusat Tanggungjawab lain di UPM.

Sesi perkongsian tersebut telah disampaikan oleh Pn. Rafidah Sadarudin, Pegawai Psikologi Kanan di Unit Kaunseling dan Kerja Sosial Perubatan, Hospital Sultan Abdul Aziz Shah, Universiti Putra Malaysia (UPM) secara bersemuka di Dewan Rekabentuk dan Senibina, FRSB pada 13 April 2023 (Khamis) bermula jam 2.00 sehingga 5.00 petang.

Di dalam sesi perkongsian tersebut, antara topik menarik yang dikupas oleh Pn. Rafidah berkaitan dengan tajuk perkongsian 'Anda okay? Saya okay? Kita okay bersama' adalah berkisar kepada 3 topik iaitu (1) Apakah itu tekanan/stress? (2) Simptom utama tekanan; dan (3) Kaedah/tips menangani tekanan. Stress atau tekanan adalah tindak balas fizikal, emosi dan mental seseorang terhadap sebarang perubahan atau tuntutan (definisi mengikut Kementerian Kesihatan Malaysia). Antara ciri-ciri umum individu yang berada dalam tekanan (stress) adalah (i) selalu berperasaan tegang;; (ii) tidak mampu untuk bertenang; (iii) terlalu sensitive dan mudah terasa; (iv) cepat marah; (v) mudah terkejut; (vi) kurang sopan, gelisah dan resah; dan (vii) sangat tidak suka diganggu atau tidak terkesan dengan humor.

Semua peserta bersetuju dengan kenyataan yang menyatakan 'Individu tidak dapat melenyapkan stress dan kesan stress tetapi individu dapat mengurangkan stress dan kesan stress'. Antara kaedah/tips untuk menangani tekanan adalah (i) sikap bertimbang rasa pada diri; (ii) memberi sokongan kepada rakan; (iii) usah letakkan KPI untuk orang capai; dan (iv) menggalakkan kesedaran dan pengetahuan tentang bantuan profesional (jika diperlukan).

Dalam sesi perkongsian ini juga, Pn. Rafidah juga menyatakan 3 rasa malas yang bagus untuk diri kita adalah (i) malas membandingkan diri dengan orang lain; (ii) malas campur urusan orang lain; (iii) malas menyimpan dendam.

Satu perkara yang sangat penting yang saya dapat petik daripada sesi perkongsian ini adalah kita perlu sentiasa bersangka baik dengan Allah dan bersangka baik dengan orang lain, InshaAllah hidup kita akan sentiasa bahagia dan kekal positif. Seperti kata-kata oleh Ellen DeGeneres *"It makes a big difference in your life when you stay positive"*.

Semoga kita semua dapat mendapat ilmu dan manfaat daripada perkongsian ini, dan terus menjadi hamba Allah yang sentiasa bersangka baik, berfikiran positif, berbuat baik dan memberi manfaat kepada insan lain.



MAJLIS SAMBUTAN MEGA RAYA AIDILFITRI 1444H/ 2023M UPM

(Gabungan Kluster C)

Madiha Hailani



Pada 10 Mei 2023, Majlis Sambutan Mega Raya Aidilfitri 1444H/ 2023M Universiti Putra Malaysia telah diadakan dengan jayanya. Sambutan pada kali ini diadakan secara secara serentak di beberapa buah PTJ sekitar UPM dengan gabungan bersama pusat tanggungjawab lain di UPM. Fakulti Rekabentuk dan Senibina (FRSB) bersama dengan Fakulti Kejuruteraan (FK) dan Institut Nanosains dan Nanoteknologi (ION2) yang diletakkan dalam kumpulan gabungan kluster C telah mengadakan majlis bertempat di hadapan tasik Fakulti Kejuruteraan.

Program untuk kumpulan gabungan kluster C dimulakan dengan satu sesi Bicara Minda (ceramah) dengan tajuk "Kerja dengan Hati" yang telah disampaikan oleh Dr. Muhd Kamil Ibrahim. Naib

Canselor , YBhg. Dato' Prof. Dr. Mohd Roslan Sulaiman turut hadir melawat dan menikmati juadah raya yang disediakan.

Sebanyak 10 reruai telah diatur dengan menghidangkan pelbagai juadah raya. Staf dari setiap PTJ juga telah menghias reruai juadah masing-masing dengan menarik dan kreatif. Pertandingan reruai terbaik dan Pakaian terbaik juga dianjurkan bagi memeriahkan majlis.



HAPPY
Birthday
to you

MEI 2023

Dr. Norhuzailin Hussain (6 Mei)

Puan Fatimah Mustafa (13 Mei)

PM Ar. Meor Mohamad Fared Meor Razali (14 Mei)

Ts. Asmadi Sarun (16 Mei)

Dr. Sazrinee Zainal Abidin (17 Mei)

En. Mior Muhammad Aiman Mior Mohd Shopi (19 Mei)

PM Ts. Dr. Norsidah Ujang (20 Mei)

LAr. Dr. Shamsul Abu Bakar (21 Mei)

Puan Norasyidah Mohd Noor (21 Mei)

Dr Jamali Janib (21 Mei)

Puan Rohaya bt Ishak (21 Mei)

Ts. Dr. Rosalam Che Me (22 Mei)

PM Dr. Zalina Shari (31 Mei)

Encik Wan Mazlan Wan Hamat (31 Mei)







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