



**UPM**  
UNIVERSITI PUTRA MALAYSIA  
BERILMU BERBAKTI

**I-PICTL**  
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# I-PICTL

## PROGRAMME BOOK

### 6<sup>TH</sup> INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING 2023 (I-PICTL2023)

*"Innovative Pedagogies for Resilient Education:  
Nurturing Tomorrow's Mind"*

## 14-16 NOV 2023



VIRTUAL EVENT VIA  
**Gather**



Centre For Academic Development And  
Leadership Excellence (CADe-Lead)

# I-PICTL

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## MESSAGE FROM THE CHAIRMAN OF I-PICTL2023

Dear fellow educators and students,

Assalamualaikum Warahmatullahi Wabarakatuh and Salam Sejahtera.

On behalf of the organising committee, I am honoured and delighted to welcome you to the International Putra InnoCreative Carnival in Teaching and Learning 2023 (I-PICTL2023) hosted by Universiti Putra Malaysia.

I am delighted to extend a warm welcome to all professors, researchers, academicians, teachers, and students to I-PICTL2023. All visitors, participants, panelists, and speakers have my heartfelt gratitude. Thank you for participating in this carnival.

This carnival's theme is "Innovative Pedagogies for Resilient Education: Nurturing Tomorrow's Mind." A key theme is resilient education, which emphasizes the need for innovative pedagogies that foster adaptability, critical thinking, and problem-solving skills in difficult times. Participants talk about how to help students navigate uncertainty and thrive in rapidly changing environments.

Through interdisciplinary connections, experiential learning, and digital tools, I-PICTL2023 demonstrates innovative approaches to cultivating students' adaptability, creativity, and problem-solving abilities. Effective pedagogies that go beyond traditional methods are highlighted, including the use of technology, collaborative learning environments, and inclusive practices. I-PICTL2023 also emphasizes the importance of professional development for educators in implementing innovative pedagogies and fostering resilient mindsets in students.

I would like to thank all speakers for their insightful talks and willingness to join us in this carnival. I would also like to congratulate all participants for joining us at I-PICTL2023.

I hope you will enjoy the carnival and continue to collaborate and communicate with each other in the future. I hope that I-PICTL2023 will be a catalyst for our efforts in bringing innovation in teaching and learning to a greater level.

Thank you.

**Associate Professor Dr. Mohd Zariat Abdul Rani**

Chairman of I-PICTL2023/Director  
Centre For Academic Development  
And Leadership Excellence  
Universiti Putra Malaysia



## BACKGROUND

I-PICTL is an international level program that competes for teaching and learning innovation in higher education and has been well received by public and private universities, Teacher Training Institutes and foreign universities. CADe-Lead has organized I-PICTL for five consecutive years starting in 2018 until 2022. Starting as a program organized only at the national level, I-PICTL has been made into an international program starting in 2020 to attract participation from educational institutions overseas.

With a carnival format, I-PICTL brings together several events and activities related to the cultivation of innovation and creativity in teaching and learning among educators and students, further promoting academic quality for the sake of excellence in the country's higher education. As a continuation of the successful organization of I-PICTL since 2018, CADe-Lead once again organizes I-PICTL2023 online.

## THEME

**"Innovative Pedagogies for Resilient Education: Nurturing Tomorrow's Mind"**

## ACTIVITIES

Putra InnoCreative Poster Competition

Putra InnoCreative Awards (UPM Only)

1. Best InnoCreative Educator in Transformative Teaching Award
2. Best InnoCreative Educator in Immersive Learning Experience Award– Virtual Immersive Learning Experience
3. Best InnoCreative Educator in Immersive Learning Experience Award– Blended Immersive Learning Experience
4. Best InnoCreative Educator in Immersive Learning Experience Award- Face to Face Immersive Learning Experience
5. Best InnoCreative Educator in Alternative Assessment Award

Keynote Speech

Putra InnoCreative Web Talk

## I-PICTL SPACE



VIRTUAL EVENT VIA  
**Gather**

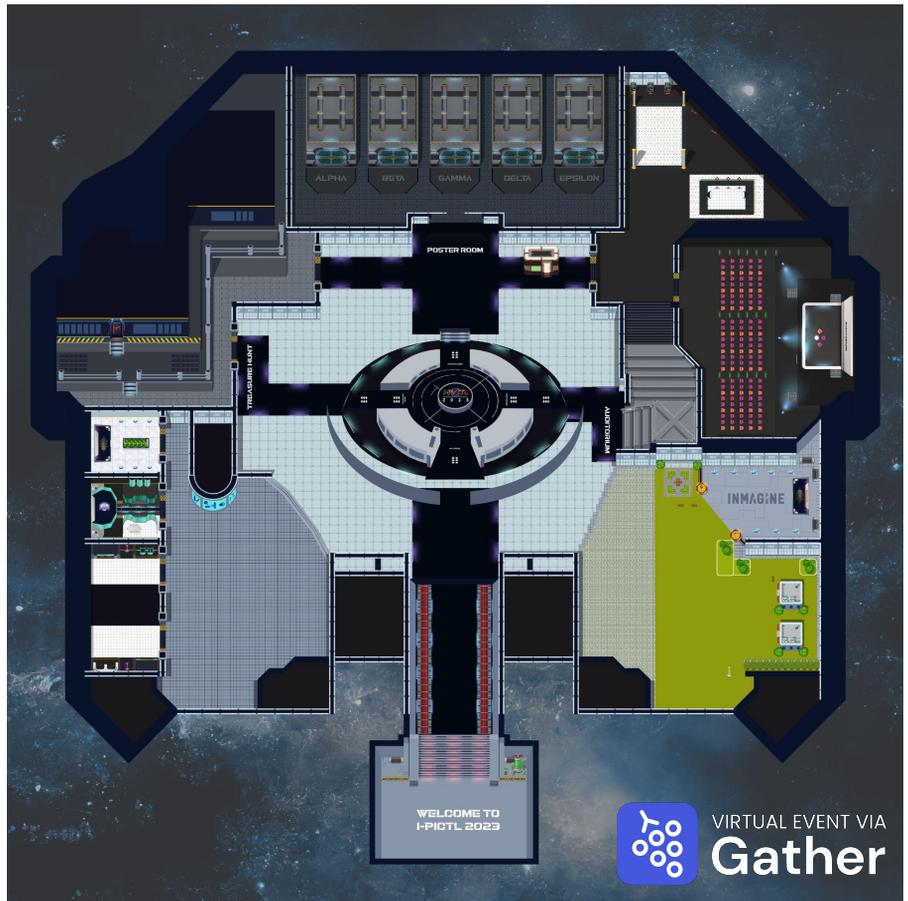
Introducing to you our stunning virtual exhibition space, the remarkable I-PICTL SPACE, built in Gather! We are thrilled to present I-PICTL2023, revolving around the theme "Innovative Pedagogies for Resilient Education: Nurturing Tomorrow's Minds." This extraordinary event takes place on the dynamic Gather.Town platform, sporting a sci-fi futuristic design that seamlessly fosters online social engagement. To achieve this, we've transformed the iconic landmarks and structures within the UPM campus into cutting-edge space stations, elegantly cruising through the vast dimensions of the I-PICTL2023 metaverse.

Stepping into I-PICTL SPACE is the next best thing to being there in person. This engaging and interactive environment offers a multitude of experiences: Connect through video, audio, and chat with fellow I-PICTL 2023 participants, creating an atmosphere reminiscent of an in-person conference. Immerse yourself in the grandeur of I-PICTL 2023 talks within magnificent and immersive halls. Engage in live poster sessions and have real-time interactions with our presenters.

Arrange meetings while enjoying a meal or a drink (bring your own!).

Challenge your wits by playing real-time online games with fellow attendees and Gather users. Embark on thrilling adventures with our treasure hunt and maze games. Teleport to 17 virtual spaces, each representing one of the 17 Sustainable Development Goals, and explore the initiatives behind them.

Join us in the captivating I-PICTL SPACE and be part of an unforgettable journey towards innovative pedagogies and resilient education – an experience like no other awaits you!



VIRTUAL EVENT VIA  
**Gather**

**I-PICTL SPACE DESIGNER**

- Dr. Chong Chou Min
- Mr. Muhammad Faris Aqil Ideris
- Mr. Muhamad Nazmi Said
- Mr. Muhammad Farhan Azmi
- Mr. Azry Mohd Adeny

## KEYNOTE ADDRESS



### Keynote

*Innovative Pedagogies for Resilient Education:  
Nurturing Tomorrow's Mind*

**16 November 2023**

**09.00 – 11.00**

***Professor Dr. Maria Mercedes T. Rodrigo***  
*Ateneo de Manila University*

*Professor Dr. Maria Mercedes T. Rodrigo is a professor at the Department of Information Systems and Computer Science. Her research interests include learning analytics, artificial intelligence in education, and technology in education. She is the head of the Ateneo Laboratory for the Learning Sciences. She is on the Executive Committee of the Artificial Intelligence Education Society. In 2021, Dr. Rodrigo received the Distinguished Researcher Award from the Asia-Pacific Society for Computers in Education (APSCE) and is President-elect of APSCE.*

#### *Education*

- *Fulbright Senior Research Fellow. Pittsburgh Science of Learning Center, Carnegie Mellon University. 2008-2009.*
- *Doctorate in Computer Technology In Education, Nova Southeastern University Fort Lauderdale, Florida, 2002.*
- *MS in Applied Computer Science, University of Maryland Eastern Shore Maryland, May 1992.*
- *BS in Computer Science, "Honorable Mention," Ateneo de Manila University, March*

## WEB TALK

### Web Talk 1

*Beyond Traditional Learning: How AI is Reshaping Resilient Educational Practices*



**14 November 2023**

**11.00 – 11.45**

***Prof. Dr. Abd. Karim Alias***

*Universiti Tenaga Nasional (UNITEN)*

*Dr. Abd Karim Alias is a former Professor of Food Technology at the School of Industrial Technology, Universiti Sains Malaysia (USM) and the former Director of the Centre for Development of Academic Excellence. He taught at USM for over 28 years, starting in 1994, before retiring in October 2022. In addition, he held several administrative positions, including Deputy Dean, Director of CDAE, Senate member for many years, and Senate representative on the university's Board of Governors. Currently, he serves as a Distinguished Fellow at UNITEN and Universiti Malaya's Adjunct Professor.*

*In 2008, he received the Ministry of Higher Education of Malaysia's prestigious National Academic Award for teaching. He has received Malaysia's Rising Star 2015 Award (Highest research citation in Agricultural Sciences/Food Science & Technology), the Malaysia Research Star Award for four consecutive years (2016, 2017, 2018, 2019), and the World's Most Influential Scientific Minds by Clarivet Analytics. On a national level, he is a Master Trainer for AKEPT and a writer for the Malaysia Education Blueprint 2015-2025 (Higher Education). As co-chairman of the National Technical Committee, he led the development of Malaysia's MOOC. Dr. Karim is an ardent supporter of utilising the Internet as an alternative learning and teaching medium. He has created and maintained a variety of teaching-related portals, websites, online courses, and blogs. As of July 2023, his 469 instructional videos on YouTube have received over 1.62 million views from over 190 countries, with an estimated 70,000 watched hours and over 8600 subscribers. At IUCEL2022, he was awarded two prestigious national awards, i.e., the Higher Education e-Learning Maestro Award and the Best Trendsetter Award.*

## WEB TALK

### Web Talk 2

*Effective Practices for Resilient and Sustainable Learning In Digital and Online Education*



**15 November 2023**

**14.30 – 15.15**

***Dr. Linda Amrane-Cooper***

*University of London, United Kingdom*

*Dr Linda Amrane-Cooper is Director of Academic Practice in Online and Distance Education at the University of London and is Director of the Centre for Online and Distance Education. Linda's academic and professional career has spanned Higher Education, teaching, and Museum Education. Linda leads our PG Learning and Teaching in HE programme, working with higher education teachers across the Globe. Linda has extensive experience of working in varied international contexts and has a passion for supporting learners.*

*As Director of the Centre for Online and Distance Education, Linda leads a team of 44 Fellows who are thought and practice leaders in online and distance education. Linda has extensive experience of working in varied international contexts and has a passion for supporting learners and teacher development. Building on over 25 years' experience of leading and supporting high quality learning and teaching, course design and senior leadership, Linda has led the Centre for Online and Distance Education since 2017. Linda came to the University of London following a role as Dean and Head of London Campus of Glasgow Caledonian University. Prior to this Linda held roles as Dean of the Royal Docks Business School and Associate Dean Education and International Lead at the University of East London, and Head of Initial Teacher Education at Anglia Ruskin University. Linda's original area of research was in Theoretical Chemical Physics, but in the last 25 years, Linda has focussed on online assessment, teacher development, mathematics and science education.*

# Pre-Carnival Program

FRIDAY

10.00 – 12.00

Crafting Visuals for Putra Innocreative Poster Competition: PIXLR Showcase

The poster features a dark purple background with a pattern of small white dots. At the top left is the UPM logo (Universiti Putra Malaysia). In the center is the I-PICTL 2023 logo. To the right is the PIXLR logo. The main title is 'Pre-Carnival Program' in a glowing purple font, followed by 'Crafting Visuals for Putra Innocreative Poster Competition: PIXLR Showcase' in a glowing blue and purple font. Below this, there are two speaker profiles: 'Speaker Yeoh Jor Ji, Business Development Manager INMAGINE' and 'Moderator Dr. Chong Chou Min, Fakulti Pertanian Universiti Putra Malaysia'. To the right of the speakers are three images: a modern building interior with green walls, a vase of pink flowers, and a colorful digital illustration of a cat's face. At the bottom left, the date '27 OCTOBER' is displayed in large white numbers, with '10 AM - 12 PM' written vertically next to it. The bottom of the poster contains social media icons for Facebook, Twitter, Instagram, YouTube, and TikTok, all linked to 'uniputramalaysia'. The UPM logo is also present at the bottom left, and the motto 'BERILMU BERBAKTI WITH KNOWLEDGE WE SERVE' is at the bottom center. A small '4th Edition' logo is at the bottom right.

27 OCTOBER 2023



# Program Schedule

**TUESDAY**

**09.00 – 10.30**

## **PUTRA INNOCREATIVE POSTER COMPETITION**

*Session 1*

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**10.30 – 11.00**

## **I-PICTL 2023 OPENING CEREMONY**

### **OPENING REMARKS**

*YBhg. Dato' Prof. Dr. Ahmad Farhan Mohd Sadullah  
Vice Chancellor, University Putra Malaysia*

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**11.00 – 11.45**

## **WEB TALK 1**

*Beyond Traditional Learning: How AI is  
Reshaping Resilient Educational Practices*

### **SPEAKER**

*Prof. Dr. Abd. Karim Alias*

*Principal Fellow*

*Centre for Academic Advancement and Flexible Learning  
(CAFEL) Universiti Tenaga Nasional (UNITEN)/*

*Associate Fellow*

*Centre for Academic Development and Leadership  
Excellence (CADE-Lead)*

### **MODERATOR**

*Assoc Prof. Dr. Mohd Zairul Mohd Noor*

*Faculty of Design and Architecture*

*Universiti Putra Malaysia*

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**14 NOVEMBER 2023**



# Program Schedule

**TUESDAY**

**11.45 – 13.00**

*Transformative Teaching and Learning:  
GIPP Recipients' Research and Innovations*

**SPEAKER**

**11.45 – 12.00**

**Dr. Nor Aniza Ahmad**

*Developing Undergraduates' Emotional Skills through a  
Face to Face Emotional Intelligence Intervention (F2FEII)*

**12.00 – 12.15**

**Dr. Chong Chou Min**

*Universal design for learning (UDL)- Integrated gamification  
as an authentic assessment for undergraduate courses of  
multiple faculties*

**12.15 – 12.30**

**Prof. Dr. Tajularipin Sulaiman**

*Application of "scratch & challenge and gallery walk" for  
Peer and Group Assessment in Classroom Evaluation.*

**12.30 – 12.45**

**Dr. Ahmad Salahuddin Mohd Harithuddin**

*Beyond Silos: Enhancing Transdisciplinary Engagement  
among Engineering Students through First-Year Seminar*

**13.00 – 14.30**

**BREAK**

**14.30 – 16.30**

**PUTRA INNOCREATIVE POSTER  
COMPETITION**

*Session 2*

**14 NOVEMBER 2023**



# Program Schedule

WEDNESDAY

09.00 – 11.45

## PUTRA INNOCREATIVE POSTER COMPETITION

*Session 3*

11.45 – 13.00

*Transformative Teaching and Learning:  
GIPP Recipients' Research and Innovations*

### SPEAKER

11.45 – 12.00

**Prof. Dr. Rahmita Wirza O.K. Rahmat**

*Cloud-based Educational Learning System (CELS) with  
Mobile Holographic Display (MHD) for Interactive and  
Integrated Learning*

12.00 – 12.15

**Dr. Azmah Sa'at**

*A Simulation Animation of 3D Lung Respiratory System with  
Augmented Reality as Interactive Medical Learning*

12.15 – 12.30

**Dr. Razif Abas @ Buang**

*The Effect of Human Embryology 2D Animation on Anatomy  
Knowledge and Perception Among Medical Students in UPM*

12.30 – 12.45

**Dr. Farina Mustaffa Kamal**

*Development of peer assessment and feedback  
mobile-based application prototype for student- centered  
learning activity*

13.00 – 14.30

**BREAK**

15 NOVEMBER 2023



# Program Schedule

WEDNESDAY

14.30 – 15.15

## WEB TALK 2

*Effective Practices for Resilient and Sustainable Learning In Digital and Online Education*

### SPEAKER

**Dr. Linda Amrane-Cooper**

*Director of Academic Practice in Online and Distance Education*

*Director Centre for Online and Distance Education  
University of London*

### MODERATOR

**Dr. Ahmad Salahuddin Mohd Harithuddin**

*Faculty of Engineering  
Universiti Putra Malaysia*

15.15 – 16.35

## PUTRA INNOCREATIVE POSTER COMPETITION

*Session 4*

15 NOVEMBER 2023



# Program Schedule

THURSDAY

09.00 – 10.30

## KEYNOTE

*“Innovative Pedagogies for Resilient Education:  
Nurturing Tomorrow’s Mind”*

## SPEAKER

*Prof. Dr. Maria Mercedes T. Rodrigo*

*Professor*

*Department of Information Systems and Computer  
Science*

*Ateneo de Manila University*

## MODERATOR

*Dr. Nur Aira Abd Rahim*

*Faculty of Educational Studies*

*Universiti Putra Malaysia*

11.10 – 11.50

## I-PICTL 2023 CLOSING CEREMONY & WINNER ANNOUNCEMENT

*Putra Innocreative Awards*

*Putra InnoCreative Poster Competition*

14.00

## I-PICTL 2023 SDGs TREASURE HUNT

*Galactic Quest for Knowledge: The I-PICTL2023 Treasure Hunt in  
the SDGs Cosmos*

16 NOVEMBER 2023



## Galactic Quest for Knowledge: The I-PICTL2023 Treasure Hunt in the SDGs Cosmos

Embark on our sci-fi themed treasure hunt, charting a course through the vast expanse of the sustainable development goals cosmos.

This adventure takes you through 17 virtual worlds, each inspired by a goal for a better world, known as the Sustainable Development Goals (SDGs). In each world, you'll find a treasure. Some are easy to spot, and others are hidden, waiting for you to discover.

As you move from world to world, the maps are more than just for show—they teach you something and make you think. They tell a story about our world's challenges and hopes. Some worlds might make you think hard about serious issues, while others might inspire and motivate you.

This treasure hunt is part of "Nurturing Tomorrow's Minds," an idea that helps you learn about important world goals in a fun way. As you look for treasures, you'll learn important lessons and help spread awareness about our future.

Quick and clever treasure finders will win special access to Designs.ai. This is a cool tool that uses artificial intelligence to help you easily make videos, images, and other creative stuff.

Join us in this fun search that teaches you about the goals for a better world. Winners will get free access to Designs.ai and a certificate to show what you've achieved.

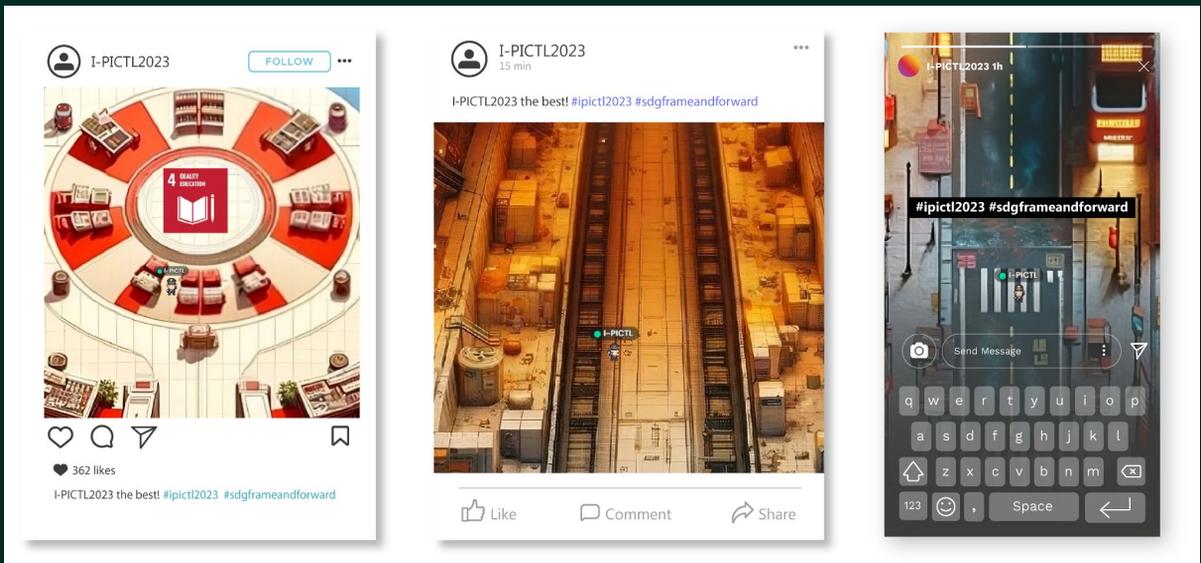
**And all the other SDGs remain veiled, preserving the element of surprise for the event day.**

**So, are you ready for an adventure that's all about learning and discovering? Join us!**



## SDG Frame & Forward: I-PICTL2023's Visionary Showcase

- Join the "SDG Frame & Forward: I-PICTL2023's Visionary Showcase" and stand a chance to win one of five exclusive access codes of Designs.ai.
- Take a photo or video on each of the SDG maps within our metaverse, then share your visual stories on Facebook or Instagram with the hashtag #ipictl2023 and #sdgframeandforward #cadelead
- Don't forget to follow us for updates and tag us in your posts:  
Instagram: @cadelead\_upm ([https://www.instagram.com/cadelead\\_upm/](https://www.instagram.com/cadelead_upm/))  
Facebook: UPMCADe (<https://www.facebook.com/UPMCADe>)
- Which SDG map resonates with you the most? Let us know your favorite and the story it tells you. Your unique viewpoint could not only shape our collective vision but also earn you a prized spot in this imaginative contest.



## ADVISOR

Professor Dr. Ismi Arif Ismail  
Deputy Vice Chancellor (Academic and International)

## CHAIRMAN

Associate Professor Dr. Mohd Zariat Abdul Rani  
Director, Centre for Academic Development and Leadership  
Excellence (CADE-Lead)

## VICE CHAIRMAN

Ts. Dr. Mas Nida Md. Khambari  
Deputy Director (Innovation in Teaching and Learning),  
CADE-Lead

## COMMITTEE

- **Putra InnoCreative Poster Competition**
- **Putra InnoCreative Award**
- **Keynote, Web Talk & Workshop**

1. Assoc. Prof. Dr. Suriana Sabri (CADE-Lead)
2. Assoc. Prof. Ts. Dr. Muhd. Khaizer Omar (CADE-Lead)
3. Assoc. Prof. Dr. Mas Jaffri Masarudin (FBSB)
4. Dr. Ahmad Salahuddin Mohd Harithuddin (FK)
5. Dr. Chong Chou Min (FP)
6. Dr. Manraj Singh Cheema (FPSK)
7. Dr. Nadiya Akmal Baharum (FBSB)
8. Dr. Marzni Mohamed Mokhtar (FPP)
9. Dr. Makhfudzah Mokhtar (FK)
10. Ts. Dr. Nurul Amelina Nasharuddin (FSKTM)
11. Dr. Mohd Noor Hisham Mohd Nadzir (FS)
12. Ts. Dr. Mohd. Hafizal Ismail (FHAS)
13. Dr. Chen Chuei Yee (FS)
14. Gs. Ts. Dr. Mohammad Majaheed Hassan (FEM)

## SECRETARIAT

- **Promotion, Publicity and Programme Book**
- **Technical, Website Management, Video & Montage**
- **Sponsorship**

1. Mrs. Nor Azirawani Man
2. Mrs. Athirah Diyana Ab Samad
3. Mr. Muhammad Faris Aqil Ideris
4. Mr. Muhammad Farhan Azmi
5. Mr. Muhamad Nazmi Said
6. Mrs. Arina Zafirah Zulkafli
7. Mrs. Suraya Muda
8. Mrs. Siti Fatimah Ahmad
9. Mrs. Yasminani Mohamad
10. Mr. Jivananthan Arumugam
11. Mr. Azry Mohd Adeny
12. Ms. Azura Adam
13. Mrs. Jaliah Jumaat
14. Mr. Mohamad Mazzuan Jamaludin
15. Mr. Mohd Syazwan Ngalamat





## ACKNOWLEDGEMENT

The Organising Committee of I-PICTL2023 would like to express our deepest gratitude and sincere appreciation to all supporting individuals/organisations:

Universiti Putra Malaysia Management  
Speakers  
Participants and presenters  
Juries of I-PICTL award  
Juries of I-PICTL poster competition  
and  
everyone else who contributed towards this event.

Thank you for your continuous support in making I-PICTL2023 a great success.

THANK YOU!

CyberRimau  
Mascot of I-PICTL2023

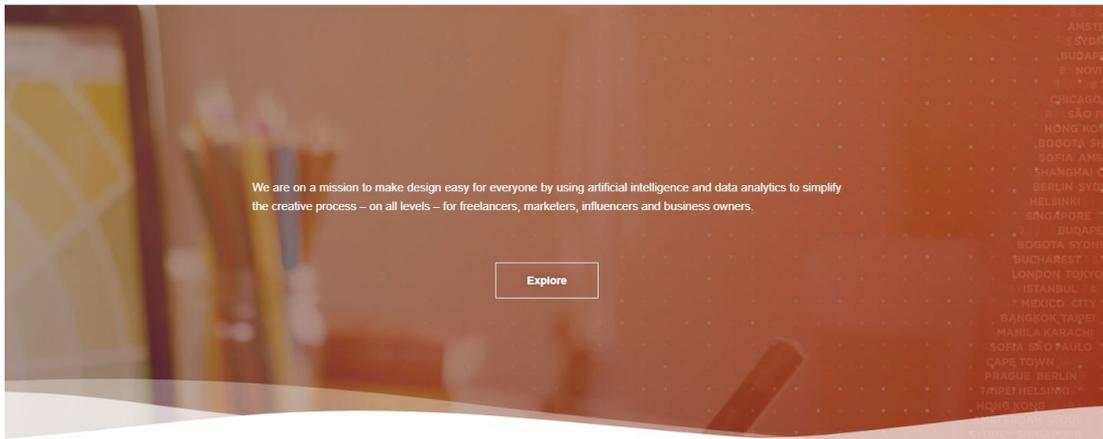


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