



EXTENDED ABSTRACT



InViCCAD 2025
1ST INTERNATIONAL VIRTUAL COMPETITION OF CREATIVE
ARTS & INNOVATIVE DESIGN IN TEACHING & LEARNING



Design Innovation Academic Show 2025



Organized by



Fakulti
Seni Lukis & Seni Reka
Cawangan Kedah



اوسها تقوى موليا

Collaboration with



#perubahanluarbiasa
#ADpilihanpertama



**EXTENDED
ABSTRACT**

**Design
Innovation
Academic
Show 2025**





DIAS 2025 (Design Innovation Academic Show) is all about "Transcending the Boundaries of Creativity: Innovation in Art & Design for 21st Century Education." This vibrant program shines a spotlight on how creativity and innovation are reshaping modern education.

It consists of three key components. First up is the Mindareka Design Show, an exhibition that showcases students' final year projects and creative designs, giving them a chance to connect with industry professionals and the wider community. Next, we have the Northern Innovation Academic Tour (NIAT), which takes participants on an academic adventure to select institutions and innovation centers in the northern region, aimed at promoting knowledge sharing and building strong academic and professional networks.

Finally, there's the 1st International Virtual Competition of Creative Arts & Innovative Design in Teaching & Learning (InViCCAID), a global competition that recognizes outstanding practices in teaching and learning by blending art, technology, and innovative design. But DIAS 2025 is more than just a talent showcase; it's a powerful platform for empowering both students and educators, while also strengthening collaborations between universities, creative industries, and global communities. With its inclusive and interdisciplinary approach, this initiative strives to spark relevant, competitive, and impactful ideas and innovations that truly benefit society and push the future of education forward.



Publisher

Universiti Teknologi MARA Kedah Branch,
Sungai Petani Campus,
08400 Merbok,
Sungai Petani,
Kedah,
Malaysia.

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Perpustakaan Negara Malaysia
Cataloguing – in- Publication Data

Editor : Syahrini Shawalludin, Juaini Jamaludin, Normaziana Hassan, Fadila Mohd Yusof

Co-Editor : Shafilla Subri, Mohd Syazrul Hafizi Husin, Abu Hanifa Ab Hamid, Norarifah Ali, Zaidi Yusoff, Mohd Taufik Zulkefli, Mohd Hamidi Adha Mohd Amin, Ahmad Fazlan Ahmad Zamri, Abdullah Kula Ismail, , Suhaiza Hanim Suroya, Mohamad Hazmi Shoroin, Mohd Zamri Azizan, Mohamat Najib Mat Noor, Asrol Hasan, Azhari Md Hashim, Azmir Mamat Nawawi, Dinah Rakhim, Hasnul Azwan Azizan@ Mahdzir, Nazri Abu Bakar, Muhammad Aiman Afiq Mohd Noor, Nizar Nazrin, Nazirul Mubin Awang Besar, Qatrunnisa Shariff, Mohd Rozman Mohd Nasir, Wan Noor Faaizah Wan Omar

Design & Layout Editor: Syahrini Shawalludin, Nazirul Mubin Awang Besar, Mohd Rozman Mohd Nasir & Qatrunnisa Shariff

Language Editor : Normaziana Hassan & Juaini Jamaludin

DIAS 2025 : Extended Abstract

Perpustakaan Sultan Badlishah
e ISBN: 9 789 672 948 780

Printed By :
Universiti Teknologi MARA Kedah Branch,
Sungai Petani Campus,
08400 Merbok,
Sungai Petani,
Kedah,
Malaysia.





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Design
Innovation
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Show 2025



Prof. Dr. Roshima Haji Said
Acting Rector
UiTM Kedah Branch

Rector's Message

I am delighted to extend my heartfelt congratulations to the College of Creative Arts, UiTM Kedah Branch, for bringing MINDAREKA 2024 - Unleashing Your Visual Creativity to fruition. The triumphs of past MINDAREKA editions undoubtedly fueled the organization of this year's event, making MINDAREKA 2024 a reality.

MINDAREKA 2024 - Unleashing Your Visual Creativity stands as a testament to the dedication of students at the College of Creative Arts, UiTM Kedah Branch, providing them with a platform to showcase their final art projects. Beyond serving as a space for the exploration of fresh, innovative, and entrepreneurial concepts, this exhibition is poised to connect aspiring talents with potential clients and employers.

I extend my sincere gratitude to all participants whose enthusiasm and support have contributed to the success of MINDAREKA 2024 - Unleashing Your Visual Creativity. Their unwavering belief and commitment have truly brought this event to life, marking it as a resounding triumph!





Head of Faculty Message

It is an honour to introduce DIAS 2025 – Design Innovation Academic Show, held under the theme “Transcending the Boundaries of Creativity: Innovation in Art & Design for 21st-Century Education.” This significant event reflects the faculty’s ongoing commitment to fostering a culture of innovation, critical thinking, and creative exploration among our students and academic community. As we navigate the complexities of the 21st century, it becomes increasingly clear that education must go beyond traditional boundaries to embrace multidisciplinary approaches that are both relevant and future-forward.

The three core components of DIAS 2025, Mindareka Design Show, Northern Innovation Academic Tour (NIAT), and the 1st International Virtual Competition of Creative Arts & Innovative Design in Teaching & Learning (InViCCAID) which is serve as vital platforms to highlight the convergence of design, technology, and pedagogy. These initiatives not only empower our students to showcase their talents and ideas, but also create opportunities for engagement with industry leaders, academic peers, and global collaborators. The Mindareka Design Show celebrates student creativity and innovation through compelling final year projects. NIAT fosters knowledge sharing and institutional partnerships through academic visits and exchanges, while InViCCAID offers international recognition for excellence in integrating art and design into teaching and learning.

I would like to express my deepest appreciation to the organising committee, faculty members, students, and strategic partners who have worked tirelessly to bring this programme to life. Your dedication and collaborative spirit have made DIAS 2025 a reality and a reflection of our shared vision for transformative education. It is my hope that this platform will continue to inspire meaningful dialogue, cultivate groundbreaking ideas, and spark a new wave of innovation that enriches both education and society.



Mohamat Najib Mat Noor
Head of Faculty
Faculty of Arts & Design
UiTM Kedah Branch





***Industrial
Design
(Diploma)***





LUNA | BOWL CHAIR

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ABSTRACT

This project introduces a contemporary bowl chair design inspired by the iconic Bardì Bowl Chair, reinterpreted to cater to adult users seeking comfort, style, and a sense of enclosure. The chair features a semi-spherical shell that offers a cocoon-like seating experience, encouraging relaxation and ergonomic posture. Supported by a sleek yet sturdy metal frame, the structure balances visual elegance with functional strength. The interior of the bowl is designed to be filled with soft materials such as kapok or layered foam, providing customisable comfort while embracing sustainable choices. Thoughtful attention is given to the modular form and detailing of the seat shell, allowing for potential customisation and ease of upholstery. This chair is ideal for contemporary living spaces, lounges, or creative environments where design and comfort converge. The overall form reflects a human-centred approach, combining sculptural aesthetics with practical usability for modern adult lifestyles.

Keywords: Ergonomic, Contemporary, Modular, Comfortable, sculptural

INTRODUCTION

The Luna Bowl Chair is a contemporary seating solution developed as part of an industrial design project focused on human-centred furniture design. This project explores the relationship between form, comfort, and structure by reimagining the iconic bowl chair typology for modern adult users. Inspired by the enveloping shape of celestial forms, the design combines ergonomic principles with sculptural aesthetics to offer both visual appeal and functional support. The project emphasises key industrial design values such as material exploration, prototyping, user testing, and



iterative refinement. Through detailed development in 3D modelling and structure testing, the Luna Bowl Chair serves as a refined expression of design thinking, balancing aesthetic innovation with real-world practicality. This project not only reflects the creative identity of the designer but also demonstrates a comprehensive design process that integrates concept development, technical construction, and emotional connection with the user.

MATERIALS AND METHODS

The model-making process for the Luna Bowl Chair was conducted at full scale (1:1) to accurately assess proportions, ergonomics, and user interaction. The frame structure was built using mild steel tubing, which was bent and welded to form a stable circular base and support legs. Instead of using MDF or solid panels for the shell, the bowl surface was handcrafted by weaving material through the metal frame gaps to create a visually solid and enclosed form. This weaving technique not only enhanced the aesthetic texture of the chair but also emphasised its artisanal quality and human touch. The seating interior was padded with soft foam and kapok fibre to simulate real cushioning, then covered with fabric to represent the intended upholstery. The woven shell was mounted securely onto the frame using internal brackets and bolts, ensuring alignment and stability. Adhesives, welding, and mechanical joinery were used throughout the construction process. After assembly, the chair was tested for comfort, posture support, and structural balance, leading to minor refinements in the tilt angle and cushioning to improve overall usability and visual unity.

RESULTS AND DISCUSSION/FINDINGS

The Luna Bowl Chair successfully fulfilled its aim to offer both comfort and versatility through a modular, handcrafted design. The curved bowl seat created a cosy and supportive form that fit the natural sitting posture of adult users, while the soft foam and kapok filling added extra comfort. One of the key findings was how the modular concept increased the chair's functionality the bowl component could be repositioned or detached, and there's a storage part where the tabletop can be taken out and put on top of the leg frame, turning it into 2 pieces of furniture, a bowl chair and a small table. This transformable feature added value, making the design

more adaptable for small or flexible living spaces. The woven shell structure provided a visually enclosed look, giving a sense of protection and warmth. The metal frame offered strong support, and during testing, small refinements were made to the seat tilt and cushioning. Overall, the chair was well-received for its comfortable feel, solid handcrafted aesthetics, and multi-functional use.



Figure 1 The Luna Bowl Chair

CONCLUSION AND RECOMMENDATION

The Luna Bowl Chair project successfully demonstrates how handcrafted techniques and ergonomic design principles can be combined to create a furniture piece that is both visually expressive and functionally comfortable for adult users. The integration of a sturdy metal frame with a woven surface brought a unique tactile identity to the design, emphasising craftsmanship and human-centred values. The use of natural padding materials such as kapok further enhanced comfort and sustainability, aligning with modern lifestyle preferences. Through full-scale model making, structural testing, and design refinement, the chair achieved its intended balance between aesthetics, comfort, and durability.

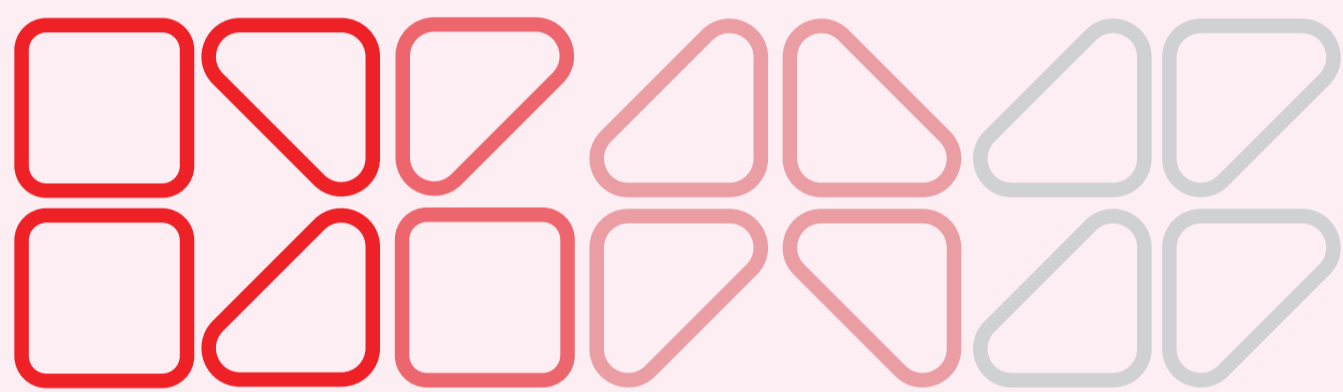
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