



# EXTENDED ABSTRACT



**InViCCAD 2025**  
1<sup>ST</sup> INTERNATIONAL VIRTUAL COMPETITION OF CREATIVE  
ARTS & INNOVATIVE DESIGN IN TEACHING & LEARNING



# Design Innovation Academic Show 2025



Organized by



Fakulti  
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Collaboration with



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**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.



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# CONTENTS

**Rector's Message**  
**Head of College's Message**

## EXTENDED ABSTRACT

**Diploma in Art & Design**  
(Graphic Design & Digital Media)

**Page**

**1 - 174**

**Diploma in Art & Design**  
(Industrial Design)

**175 - 575**

**Bachelor in Art & Design**  
(Industrial Design)

**576 - 760**

**D**esign  
Innovation  
**A**cademic  
**S**how 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  
(Bachelor)**





## REBAYA

Phone Docking Station Inspired by Terengganu Cultural Heritage (Pucuk Rebung Lawi Ayam)

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### ABSTRACT

**Rebaya** is more than just a phone docking station. It's a beautiful fusion of traditional craftsmanship and modern functionality, designed to enhance contemporary living spaces. Drawing inspiration from the elegant Pucuk Rebung Lawi Ayam motif, this piece symbolizes growth and sophistication brought to life with meticulous laser-cut detailing on a wooden surface. The choice of high-quality wood not only ensures durability and warmth but also showcases cultural richness through its unique grain and tone. With its sleek geometric shape and dark woodgrain finish, the docking station adds a touch of elegance to any home or workspace. At its core, Rebaya features wireless magnetic charging, an induction speaker, and ambient LED lighting, all designed to elevate practicality and enhance the user experience. The motif is gently illuminated, casting a soft glow that not only enhances its visual charm but also pays homage to traditional design. Every element, from the internal charging system to the sound setup, is custom fitted into the handcrafted wooden body, ensuring a seamless integration of technology and artistry. Rebaya transforms the ordinary phone holder into a meaningful everyday object that reflects personal identity, celebrates heritage, and accommodates modern digital lifestyles. By merging cultural aesthetics with contemporary demands, Rebaya reimagines how traditional motifs can thrive in today's tech-savvy world, it's not just creating a product, but a statement of elegance, identity, and innovation.



**Keywords:** Phone docking station, User Experienced, Wireless charger, Induction Speaker, LED light, Pucuk Rebung, Homeowner

## INTRODUCTION

In today's rapidly evolving world of design and technology, products are expected to be efficient, sleek, and user focused. However, in the pursuit of modernity, many everyday items lose their connection to cultural meaning and identity. Tech accessories are often created for utility alone, lacking the depth that reflects user values or heritage. Most phone holders function only as passive stands without integrated features like wireless charging or sound enhancement, limiting their practicality (Işın & Gül, 2023). Furthermore, unmanaged cables and cluttered desk setups can negatively affect productivity and visual comfort in workspaces (Pan, 2024).

This project tackles these challenges with *Rebaya*, a phone docking station that beautifully blends cultural inspiration with contemporary needs. Drawing from traditional motifs that symbolize growth and elegance, *Rebaya* offers a sophisticated take on cultural design within a tech product. Its intricate laser-cut detailing, wireless magnetic charging, induction speaker, and ambient LED lighting not only add aesthetic appeal but also enhance functionality for the user.

To elevate its cultural and material significance, *Rebaya* is crafted from premium wood, a material that evokes warmth, tradition, and skilled craftsmanship. The rich, dark wood surface not only exudes elegance but also provides an ideal backdrop for the detailed laser-cut motif. This choice of material reflects the goal of creating a tactile, timeless product that feels personal and enduring in today's world. The interplay between natural texture and modern functionality makes *Rebaya* both visually captivating and emotionally meaningful.

In the end, *Rebaya* is designed not merely as a utility but as a significant lifestyle piece. It showcases how everyday tech accessories can embody cultural narratives and enhance



daily rituals through thoughtful design. By harmonizing form and function, tradition and technology, Rebaya transforms the concept of a phone docking station into something much more. It's an object that organizes, connects, and inspire.

## MATERIAL AND METHOD



Figure 1 Final Product Design

The Rebaya Phone Docking Station is crafted from wood, selected for its natural beauty, warmth, and strong association with tradition. Wood has long been a material used in heritage crafts, and its inclusion in this design helps visually and emotionally connect the product to cultural values. The rich dark wood tone enhances the product's elegant and luxurious appearance, aligning with the minimalist form while providing a refined surface for detailing. Additionally, wood offers durability and a tactile quality that elevates the overall user experience, making the product feel both modern and rooted in tradition.

The main structure of Rebaya was built using manual fabrication techniques to ensure control over the angular form and fine finishing. The signature Pucuk Rebung Lawi Ayam motif was applied using laser-cutting technology, allowing precise reproduction of the intricate pattern on the wood surface. Internally, the product features a custom-built



mechanism that integrates a wireless magnetic charger, an induction speaker, and LED lighting. These components were individually selected and assembled to fit the unique form of the docking station, offering seamless charging, audio playback, and atmospheric lighting in one cohesive product. The combination of handcrafted elements and integrated technology reflects a thoughtful balance of tradition and innovation.

## RESULT AND FINDING

The development of the Rebaya Phone Docking Station successfully fulfilled its objective of merging traditional cultural aesthetics with contemporary functionality. Throughout the design process, the project explored how the symbolic Pucuk Rebung Lawi Ayam motif could be translated into a modern tech accessory without losing its cultural significance. The use of wood as the primary material added warmth, elegance, and a tactile quality that emphasized craftsmanship, while also providing a suitable surface for the intricate laser-cut detailing of the motif. Manually constructed and thoughtfully assembled, Rebaya integrates wireless magnetic charging, a custom induction speaker, and LED ambient lighting into a minimalist structure that complements modern home or office spaces. The successful combination of these elements demonstrated that cultural storytelling can be elevated beyond decoration to become a functional part of a user's daily life. User feedback during informal evaluation sessions emphasized the product's premium feel, clean design, and emotional resonance, especially its ability to reflect identity and tradition within a digital context. Many users appreciated how Rebaya reduced cable clutter and added aesthetic value to their workspace. The outcome reflects a well-balanced design solution that not only meets practical needs but also invites a deeper connection with culture and meaning. Overall, the Rebaya project presents a compelling example of how cultural heritage can be reinterpreted in design to create meaningful, elegant, and functional products for the modern user.

## CONCLUSION AND RECOMMENDATION

The Rebaya Phone Docking Station demonstrates the potential of integrating traditional cultural elements into modern product design in a way that enhances both aesthetics and functionality. By combining the symbolic Pucuk Rebung Lawi Ayam motif with



essential features like wireless magnetic charging, an induction speaker, and LED lighting, the final product offers a refined, user-friendly solution for tech-savvy homeowners who value cultural identity. The use of wood as a base material successfully reinforced the product's traditional essence while supporting the precision of laser-cut technology. Rebaya not only addressed common workspace issues such as cable clutter and lack of multifunctionality but also reintroduced cultural storytelling into daily routines through thoughtful design.

It is recommended that future iterations of the product explore additional features such as Bluetooth connectivity, app integration, or modular storage to further enhance usability. Expanding the motif application across different product categories such as lighting, desk organizers, or wall panels could also strengthen the visual identity of a cohesive product line rooted in local culture. Moreover, introducing sustainable materials or upcycled wood could add environmental value to the cultural narrative. Finally, collaboration with local artisans or cultural institutions could deepen the authenticity of the design while promoting wider cultural appreciation through modern design channels. The Rebaya project stands as a strong foundation for future designs that aim to bridge heritage and innovation in meaningful, everyday ways.

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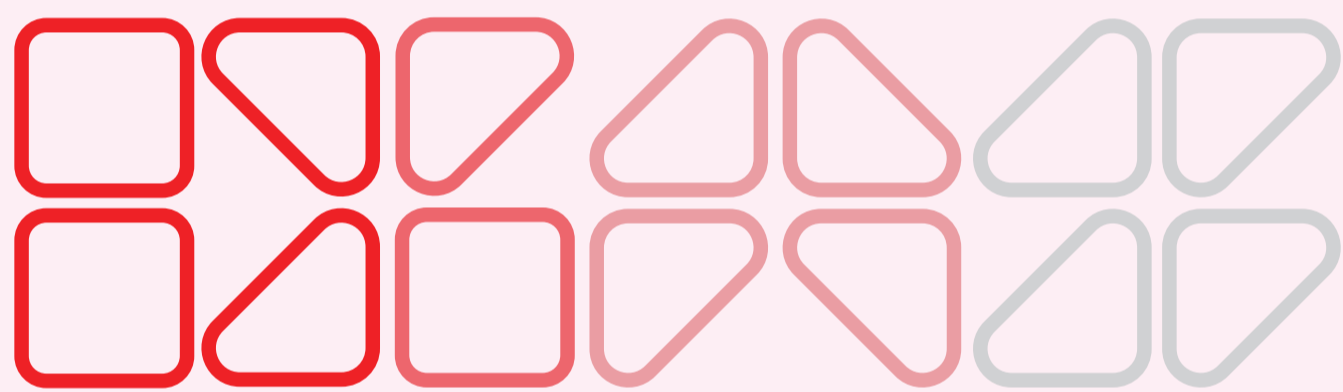
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