



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.



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Design
Innovation
Academic
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)***





TOUCHPOINT | INTERACTIVE KIOSK

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ABSTRACT

This project showcases the design of an interactive kiosk developed for MADAD Kedah, aimed at supporting visitors through simple, meaningful, and culturally familiar engagement. The kiosk features three main interactive elements: a central tablet screen that hosts the MADAD app for activity access and information; a rotating "Dua Pin" that allows users to interact with daily or personalised prayers; and a softly lit reminder box that holds handwritten or printed motivational notes, which users can freely take with them. The kiosk design blends digital interaction with tactile experience, emphasising low-barrier access for elderly individuals who may feel disconnected from technology. Its bold geometric form offers structural clarity while maintaining approachability through soft visual language and thoughtful proportions. The kiosk acts as a bridge connecting emotional warmth with functional use encouraging spiritual reflection, personal connection, and independent engagement within the MADAD community. The final design balances simplicity and symbolism, enhancing the daily experience for visitors at MADAD through gentle interaction and meaningful presence.

Keywords: Inclusive, Interactive, Spiritual, Tactile, accessible

INTRODUCTION

In a world increasingly shaped by digital experiences, the need for meaningful and tactile interaction remains essential. This project introduces an interactive kiosk that blends digital technology with physical engagement to create a multi-sensory



experience rooted in simplicity, emotion, and personal connection. Designed to host the MADAD app on a mounted tablet, the kiosk also features a rotating dua pin to invite moments of spiritual reflection and a softly illuminated reminder box where users can take a written message of comfort or encouragement. The form is bold yet approachable, offering both structural presence and emotional warmth. By integrating elements of faith, touch, and gentle interaction, the kiosk becomes more than a digital station it becomes a thoughtful companion in everyday spaces, fostering quiet moments of pause, intention, and connection.

MATERIALS AND METHODS

The construction of the MADAD interactive kiosk involved a combination of digital interface integration and handcrafted structural detailing. The main frame of the kiosk was built using hollow steel tubing, selected for its durability and ability to support the overall structure while maintaining a clean and minimal form. The steel frame was measured, cut, and welded to form the base and vertical support elements. For the surrounding body and surface panels, plywood was used due to its ease of shaping, smooth finishing potential, and natural warmth. The plywood surfaces were cut precisely using CNC or hand tools, then sanded and finished to enhance both visual quality and tactile appeal. A tablet mount was securely fixed into the upper structure to display the MADAD app, while a rotating cylindrical pin was installed on one side to hold rolled dua papers, allowing users to interact by turning and selecting a prayer. At the centre of the kiosk, a reminder box was integrated into the plywood surface softly lit and designed to allow users to take a note of encouragement. All components were assembled using a combination of mechanical fixings and adhesives, ensuring stability, accessibility, and ease of maintenance. The final form reflects a blend of sturdy materials and thoughtful interaction, staying true to its purpose of connecting digital and emotional touchpoints.



RESULTS AND DISCUSSION/FINDINGS

The MADAD interactive kiosk successfully combines digital functionality with physical and emotional engagement, creating a product that invites interaction beyond a typical screen-based interface. During the design and development process, the integration of a tablet screen proved effective in delivering the core digital functions of the MADAD app, such as activity viewing, booking, and announcements. However, what elevated the experience was the addition of tactile and spiritual elements, which encouraged users to pause, reflect, and connect on a personal level.

The rolling dua pin, designed to allow users to rotate and select a prayer, added a dynamic layer of interaction. It was well-received for its simplicity and emotional depth, offering spiritual comfort in a physical format. Meanwhile, the soft reminder box, placed at the centre of the kiosk, served as a subtle emotional anchor. The ability to take a handwritten or printed note offered a quiet moment of encouragement, personal reflection, or joy making the interaction feel meaningful and human.

From a structural standpoint, the use of hollow steel provided the necessary strength and stability for public use, while the plywood surface added warmth and familiarity to the overall form. The combination of materials balanced visual solidity with approachability. Throughout the process, small refinements were made to the height, layout, and spacing of each component to ensure smooth interaction and natural hand movement.

Ultimately, the kiosk met its design goals of being more than a digital access point it became an interactive, emotional, and spiritually enriching station that respects both technology and tradition in a unified form.



Figure 1 Final product Touchpoint

CONCLUSION AND RECOMMENDATION

The MADAD interactive kiosk successfully combines technology with emotional and spiritual interaction. With features like the tablet displaying the MADAD app, the rotating dua pin, and the reminder box, the kiosk creates a meaningful and comforting experience for users. The use of hollow steel and plywood made the structure strong yet warm and approachable. Overall, the kiosk meets its goal of being more than just a digital tool it becomes a space for connection, reflection, and gentle interaction.

For future development, it is recommended to explore additional sensory elements, such as audio guidance or soft ambient lighting, to further enhance accessibility and atmosphere. Modular features such as interchangeable dua pins or customisable note cards—could allow the kiosk to adapt for different themes or community needs. Additional testing with a broader range of users would also help refine the interface layout and physical accessibility. Overall, the MADAD kiosk holds strong potential as a replicable design for other community-centred spaces that seek to blend technology with empathy and human touch.

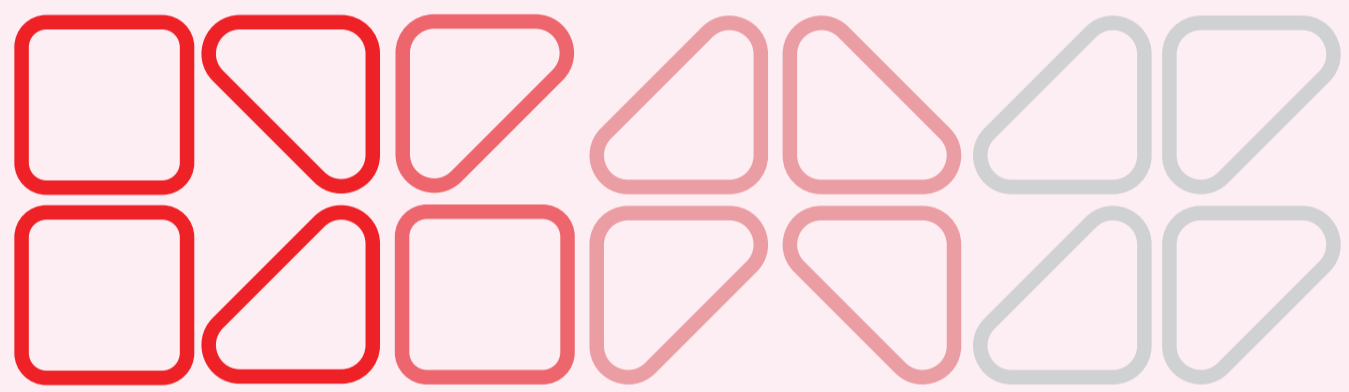


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