



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)***





O'Neat: INNOVATIVE SOLUTIONS FOR SORTING CRATE SYSTEM, ADVANCING HYGIENE FOR MADAD DINING HALL

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ABSTRACT

The O'Neat Sorting Crate System is a smart and practical dish return unit designed to keep the MADAD Dining Hall cleaner and more organised after meals. It helps reduce mess and makes it easier for people to return their used dishes. The crate has clearly marked sections for plates, cups, utensils, and food waste, so it's easy to know where everything goes. It's built at a comfortable height, is lightweight, and has handles, making it simple to move, clean, and use in different spots around the dining area. To make things even easier, the design uses colour coding and clear visual signs, so people can sort their items without needing instructions. It's made from strong, affordable materials, which makes it a good fit for busy public spaces. When we tested it, the system helped keep the dining area tidier and encouraged more people to return their dishes properly. The O'Neat crate is a simple and flexible solution that not only improves the dining experience but could also work well in other shared meal spaces.

Keywords: Dish Return System, Hygiene Design, Sorting Crate, Inclusive Design, Dining Hall Solution, Modular Furniture, Post-Meal Efficiency, User-Centered Product.

INTRODUCTION

The MADAD Dining Hall is a shared space where students, staff, and visitors come together for daily meals and events. But during busy times, it often gets crowded and hard to manage, especially when people leave their dishes on the

tables. Without a clear way to return dishes, the space quickly becomes messy, and cleaning up takes longer. To help solve this problem, the O'Neat Sorting Crate System was created. Instead of changing the whole dining layout, this simple product gives a focused solution, a crate that makes it easy for people to sort and return their used plates, cups, and utensils in the right sections. O'Neat was designed to be practical and easy for everyone to use. It helps keep the space tidy, improves how people move around, and makes cleanup smoother for both users and staff. With colour labels, an easy-to-reach height, and built-in handles, the crate can work well in all kinds of public dining spaces.

MATERIALS AND METHODS



Figure 1.1 The picture of final body structure

The O'Neat Sorting Crate System is a smart, easy-to-use crate designed to help people return and sort their used dishes quickly and neatly. It has a strong but lightweight frame, with an open top and clearly divided sections for plates, cups, utensils, and food waste. Each section is labelled and colour-coded, so users can easily tell where everything goes. The crate is planned to be made from waterproof and durable plastic, which makes it easy to clean and strong enough for everyday use. Its smooth surfaces and rounded edges make it safe and comfortable to use. Reinforced side panels keep it stable, and built-in handles on the sides make it easy



to move around. We used recyclable cardboard and foam board to build a prototype that matched the size and shape of the final design. This helped us test how the crate would look, feel, and work before making the real version with long-lasting materials.

RESULTS AND DISCUSSION/FINDINGS

The goal of this project was to create a small, efficient dish return system to help keep shared dining areas cleaner and more organised. It was designed to solve common problems like people leaving their dishes behind, messy tables, and confusion about where to put used items. This study focused on building a portable, well-structured crate that helps people sort their used plates, cups, utensils, and food waste properly. The system is meant to make cleanup easier, reduce the burden on staff, and keep things running smoothly, especially during busy times or big events. When designing the product, we looked at important factors like how strong the materials are, how easy it is to carry and clean, and whether it fits into different dining setups. The results show that the O'Neat Crate System is a simple, flexible, and effective way to improve hygiene and organisation in public dining spaces.

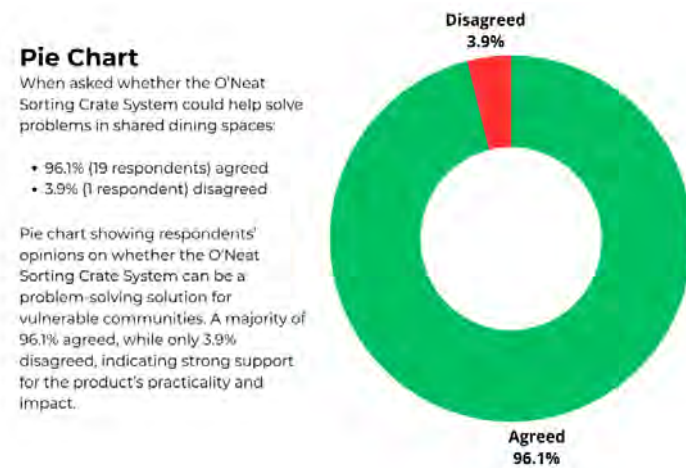


Figure 1.2 Asking respondents if they think that the product can be a problem-solving solution for vulnerable communities.

The pie chart shows that most people strongly believe the O'Neat Sorting Crate System is a helpful solution for shared dining spaces. A large majority, 96.1% of respondents, felt that the product could solve common problems like mess, poor

hygiene, and confusion about where to return dishes. Only 3.9% didn't agree, showing that very few people had doubts about its usefulness. This very positive response shows that people see the product as practical, easy to use, and suitable for places where many people eat together. It also supports the idea that O'Neat could be used in other public dining areas in the future.

CONCLUSION & RECOMMENDATION

The O'Neat Sorting Crate System is a simple and smart way to manage dish returns in busy dining areas. Its light, easy-to-move design, along with clearly labelled sections, helps keep things clean and organised. By making the dish return process straightforward, it encourages people to do their part without needing help from staff. Made from strong, washable materials, the crate is built for everyday use and can fit into different dining setups, whether it's a school, cafeteria, or community centre. Its compact size and clear labels make it easy for anyone to use. It's recommended that the crate be made from long-lasting, waterproof plastic, especially for places with lots of people. Future improvements could include parts that can be taken apart for easier storage and adjustable height to make it more comfortable for everyone. Overall, O'Neat is a flexible and helpful solution for keeping dining spaces cleaner, encouraging shared responsibility, and making the post-meal experience better for everyone.



Figure 1.3 The picture of Environment (O'Neat)



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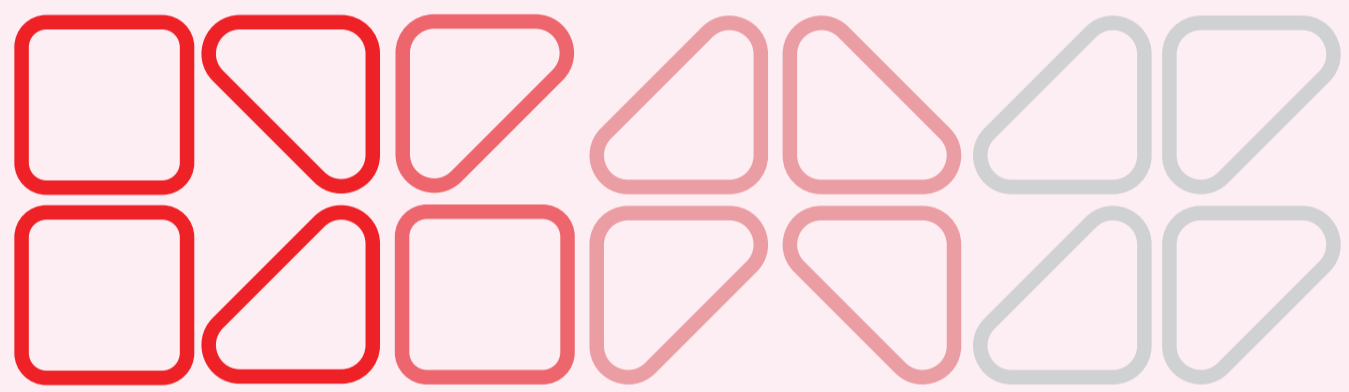
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