

-Create Without Limits-

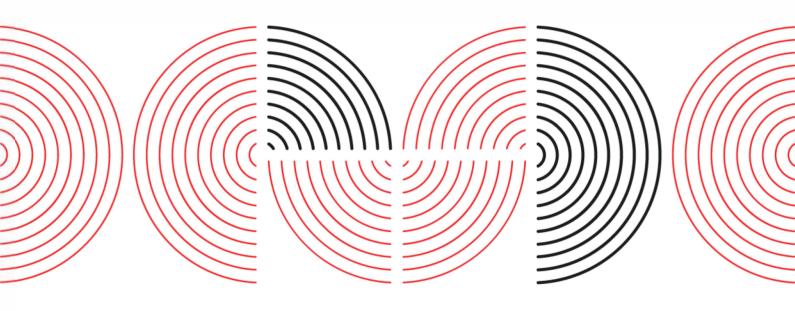


#### <mark>e of Creative Arts</mark> Teknologi mara kedah branch Colle g e UNIVERSITI

ABSTRACT BOOK



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# **ABSTRACT BOOK**





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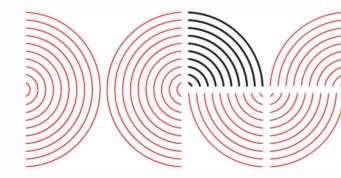
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Foreword Rector's Message

Assalamualaikum and warm greetings,

It is with great excitement that I welcome you to MINDAREKA 2025, a celebration of creativity, innovation, and the power of ideas. This year's theme, "Create Without Limits," is a call to embrace imagination, push beyond boundaries, and explore new possibilities in every field. Creativity is at the heart of transformation, whether in science, technology, the arts, or social innovation. In a world that is constantly evolving, the ability to think differently, challenge norms, and break new ground has never been more important, MINDAREKA - Create Without Limits provides a platform for visionaries. problem-solvers, and dreamers to showcase their ideas, collaborate, and spark meaningful change. As educators and lifelong learners, we must cultivate an environment where curiosity thrives, unconventional ideas are welcomed, and challenges become stepping stones to progress. This event reflects our collective commitment to pushing the boundaries of knowledge and fostering an interdisciplinary culture of learning. When creativity meets determination, there are no limits to what we can achieve. I extend my heartfelt appreciation to all participants, mentors, and organizers who have brought MINDAREKA - Create Without Limits to life. Your passion and dedication embody the true spirit of innovation that drives our institution forward.

Let's embrace the "Create Without Limits" mindset, inspiring each other to think boldly and make an impact. May this event ignite fresh ideas, lasting collaborations, and groundbreaking discoveries.

Wishing everyone a fulfilling and inspiring experience.

PROF DR ROSHIMA SAID ACTING RECTOR UNIVERSITI TEKNOLOGI MARA KEDAH BRANCH





Head of College's Message

It fills me with immense joy to witness the extraordinary dedication of both the organizing team and students in ensuring the resounding success of this event. Our concern for the future of our students, particularly in navigating the complexities of the new normal, drives us to create a more vibrant and promising world for them. Thus, the significance of MINDAREKA - Create Without Limits, orchestrated by our College of Creative Arts, UITM Kedah Branch, cannot be overstated as it epitomizes our noble aspiration.

A heartfelt expression of gratitude is owed to our tireless organizing committee whose unwavering commitment, boundless energy, and meticulous attention to detail have been instrumental in realizing the objectives of this event. MINDAREKA - Create Without Limits serves as a pivotal platform for all students, particularly those in their final year, to showcase their talents and skills. This platform not only fosters selfexpression but also lays the groundwork for students to navigate their professional paths in the future.

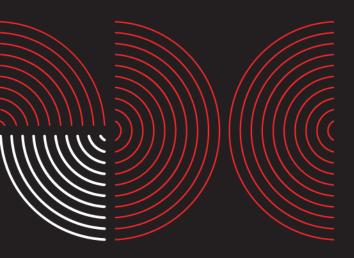
I extend my sincerest congratulations and appreciation to the organizing committee, faculty staff, students, and all stakeholders whose collective efforts have ensured the resounding success and cherished memories of this event. To the students, your dedication and hard work are commendable, and as you embark on this new chapter in life, I wish you the very best. May you embrace the opportunities that lie ahead with courage and determination. Best of luck to each of you.

Dr. Nurul 'Ayn Ahmad Sayuti Head of College of Creative Arts, UiTM Kedah Branch









# INDUSTRIAL DESIGN



#### **Product Design**



Wan Anis Amierah Binti Wan Hazmajishan Diploma in Industrial Design

#### LEARN CARRY

Design Advisor : Mrs. Fadila Binti Mohd Yusof

#### Abstract

This study explores the design and functionality of educational bags, focusing on their role in improving convenience, organization, and ergonomic support for students and educators. The research is grounded in a background study highlighting the increasing demands on students to carry diverse educational tools, including books, electronic devices, and stationery, necessitating a well-designed bag that balances practicality and comfort.

The methodology involved surveys and structured questionnaires distributed among students, educators, and parents to understand their preferences, challenges, and needs regarding educational bags. Participants provided insights into features such as storage capacity, weight distribution, durability, and additional function alties like laptop compartments or USB charging ports. The results indicate that most users prioritize ergonomics, durability, and organizational efficiency in bag design, with a notable preference for lightweight, multi-compartment models that accommodate modem educational tools.

The findings also reveal concerns over back strain caused by heavy or poorly designed bags, especially among younger students. Based on these insights, the study concludes that educational bags play a crucial role in supporting academic activities by improving physical comfort and productivity. It recommends the adoption of innovative features and materials to address users' needs effectively. This research contributes to the design and development of educational bags, offering valuable input for manufacturers and policymakers focused on enhancing the learning experience through ergonomic and user-friendly solutions.





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