



CCA 2024
**Unleashing Your
Visual Creativity**

VISUAL ABSTRACT BOOK

COLLEGE OF CREATIVE ARTS
UNIVERSITI TEKNOLOGI MARA (UiTM), CAWANGAN KEDAH



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MINDAREKA DESIGN SHOW CCA

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Rector's Message

Prof. Dr. Roshima Haji Said

Rector

UiTM Kedah Branch

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!

"UiTM KEDAH SOARING FOR EXCELLENCE"



Head of College's Message

Dr. Nurul 'Ayn Ahmad Sayuti

Head of College of Creative Arts,
UiTM Kedah Branch

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 2024 - Unleashing Your Visual Creativity, 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 2024 - Unleashing Your Visual Creativity 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 self-expression 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.



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College of Creative Arts

Diploma in Industrial Design

eVTOLs : Smart Air Mobility Project

Design Advisor :

Mr. Zaidi Yusoff

Mr. Mohd Taufik Zulkefli

Abstract

The Smart Ocean Mobility Project represents a groundbreaking initiative at the intersection of cutting-edge patrol boat technology and aerial surveillance, driven by artificial intelligence (AI) algorithms. With a strategic focus on transforming maritime security, this project integrates autonomous patrol boats equipped with advanced sensors, communication systems, and autonomous navigation features. Complementing these capabilities are aerial surveillance assets, including drones and autonomous aerial vehicles, extending the reach and efficacy of maritime operations.

The project's innovation lies in the seamless coordination between patrol boats and aerial vehicles, fostering a dynamic and responsive maritime security framework. AI algorithms govern adaptive decision-making, enabling real-time responses to evolving threats and emergencies. To facilitate this transformative initiative, the development of specialized infrastructure for the docking, maintenance, and charging of patrol boats and aerial vehicles is paramount.

Collaborations with maritime authorities and regulatory bodies play a pivotal role in establishing safety protocols, ensuring the harmonious integration of these advanced technologies into existing maritime security frameworks. Envisioning a future where the synergy between patrol boat technology and smart ocean mobility sets a new standard, the project aspires to redefine maritime security, ushering in an era of comprehensive, efficient, and adaptive solutions for safeguarding oceanic environments.





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