

MELAKA
INTERNATIONAL
INTELLECTUAL EXPOSITION

MIIEX'24

12 JUNE '24

Dewan Taming Sari,
Universiti Teknologi MARA Caw. Melaka,
Kampus Alor Gajah, Melaka

*"Empowerment of Special
Needs through Invention
& Innovation"*

**EXTENDED
ABSTRACT**

MiiEX'2024

MELAKA INTERNATIONAL INTELLECTUAL EXPOSITION 2024

**“EMPOWERMENT OF SPECIAL NEEDS THROUGH INVENTION AND
INNOVATION”**

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UiTM Cawangan Melaka

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78000 Alor Gajah

Melaka Bandaraya Bersejarah

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MiiEX'2024

MELAKA INTERNATIONAL INTELLECTUAL EXPOSITION 2024

**“EMPOWERMENT OF SPECIAL NEEDS THROUGH INVENTION AND
INNOVATION”**

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FOREWORD BY THE RECTOR OF UiTM CAWANGAN MELAKA



Professor Ts. Dr. Mohd Rasdi bin Zaidi

Rector, Universiti Teknologi MARA (UiTM)

Cawangan Melaka

Welcome to the Melaka International Intellectual Exposition 2024 (MIIEX '24). It is an honour for me, on behalf of UiTM Cawangan Melaka, to thank all of you for joining MIIEX '24. We are proud to inform you that this is the 13th consecutive year that UiTM Cawangan Melaka is organizing this exposition. Since 2009, UiTM Cawangan Melaka has successfully hosted this innovation exposition. Not only have we succeeded in organizing the exposition, but we have also successfully embarked on commercialized products.

2024 is a special year where MIIEX 2024 emphasizes the development of special needs. As we know, special needs indicate a limitation in a person's ability to engage in and benefit from various aspects, such as daily activities and education. Hence, with the theme "Empowering Special Needs Through Invention and Innovation," it is a platform for industries, professionals, academicians, students, and communities to share their innovative ideas and products to increase accessibility for those with special needs.

The successful implementation of MIIEX '24 is our joint success. This event was supported by the Melaka state government through YB Datuk Fairul Nizam bin Roslan, the EXCO of Science, Technology, Innovation, and Digital Communication. I also want to express my

gratitude to Universitas Negeri Padang, Indonesia, Universitas Muhammadiyah, Makassar, Indonesia, the International Association of Economic and Businesses (IAEB), Universiti Sains Islam Malaysia, Ibnu Umami Maktum Research Center (UMMI), USIM, and The Southeast Asia Minister of Education Organization Regional Centre for Special Educational Needs (SEAMEO SEN) as our co-collaborators for MIIEX 2024.

The collaboration from various parties in MIIEX '24 is a platform that will improve cooperation and interweaving among industries, professionals, academicians, students, and communities in shaping their potential in developing innovation products. This exposition also serves as a platform to cultivate and uphold the nation's innovation culture by presenting new ideas and research by young people, especially from academia and universities. Indirectly, MIIEX '24 will encourage all inventors towards empowering Science, Technology, Engineering, and Mathematics (STEM), especially in primary and secondary schools.

The new digital landscape also inspires more innovation and new ideas that contribute to various activities, such as business and industries. As a university that encourages "Research and Innovation," we aim to foster more innovative products that benefit scholars, industries, and communities, addressing issues to improve our present and future life.

This exposition would never happen without dedication, teamwork, and commitment. A round of applause should be given to the committee teams, who are the backbone of this exposition. Their hard work, effort, and time made this exposition possible.

Finally, I would like to conclude this brief remark by thanking all the participants and stakeholders for joining the exposition. We hope that this collaboration never ends here.

Thank you.

FOREWORD BY THE DEPUTY RECTOR (RESEARCH & INDUSTRIAL LINKAGES)



Associate Professor. Dr. Nur Hayati binti Abd Rahman

Deputy Rector (Research & Industrial Linkages), Universiti Teknologi MARA (UiTM) Cawangan Melaka

With much passion and privilege, let me warmly welcome all of you to the Melaka International Innovation Exhibition (MIIEX), UiTM Cawangan Melaka's flagship event. I firmly believe that events such as these demonstrate the gradual evolution of this platform in terms of its significance and its governing principles within the sphere of learning and the broader scholarly society.

The theme for this year, "Empowering Special Needs Through Invention and Innovation," strongly connects to our mission of using research and technology to make a positive impact on the world we live in. Besides enforcing the message of diversity, this theme also reaffirms our focus on creating products to improve the lives of people with disabilities (PWDs). Such innovations are vital as only through focused constructive changes can society become more sensitive to the needs of all members.

MIIEX allows researchers, students, and industry professionals to come together, share their innovative research, and develop viable research partnerships. It has been great to see the enthusiasm of the participants and the efforts they put into their projects, which can offer various social and economic benefits. This is why one can state that MIIEX is a great

opportunity for creating connections between the academic environment and industry, facilitating the implementation of innovative and promising projects.

Finally, I would like to express my sincere appreciation to all the members and supporters of the organizing committee, all the participants, sponsors, and everyone involved in preparing this event. I want to express my gratitude for your commitment and involvement, as the success of MIIEX and the development of an active culture of innovation in our university and beyond is partly owed to your support.

Thank you

FOREWORD BY THE PROJECT DIRECTOR



Dr Zulkefli bin Muhamad Hanapiyah

Senior Lecturer

Assalamualaikum and Warmest Greetings,

It gives me a great pleasure, on behalf of the organizing committee, to welcome all participants and speakers to the Melaka International Intellectual Exposition 2024 (MIIEX '24) with the theme "Empowering Special Needs Through Invention and Innovation." We are honoured and pleased to welcome all participants to this biennial event.

MIIEX '24 is a platform that gathers experts from local and international industries, academia, scientists, researchers, and the community to contribute to the advancement of scientific and technological knowledge. This knowledge helps develop disruptive innovation products that improve daily activities for businesses and the community, especially those with special needs.

MIIEX '24 provides an atmosphere for inventors of all levels to gain new exposure and collaborate. Indirectly, this promotes a collaborative and innovative culture that focuses on cutting-edge technologies and new standards in technology and creativity.

MIIEX '24 is anticipated to serve as an arena for participants to acquire and disseminate revolutionary information on ideas and innovation. It is intended that the competition will expose the contestants' minds to the latest technologies and designs, aligning with the government's goal of encouraging innovation in Malaysia.

Finally, I want to compliment my fellow committee members on their amazing efforts, which were vital to the event's success. In addition, I want to thank our co-organizers, event sponsors, and participants. Optimistically, we hope that all new knowledge discovered, invented, or innovated will lead us toward future sustainability.

Thank you.

**FOREWORD BY MELAKA STATE EXCO OF SCIENCE, TECHNOLOGY,
INNOVATION AND DIGITAL COMMUNICATIONS**



YB Datuk Fairul Nizam bin Roslan

Melaka State Exco of Science, Technology, Innovation and Digital Communications

Welcome to the Melaka International Intellectual Exposition 2024 (MIIEX '24). It is an honor for me, on behalf of UiTM Cawangan Melaka, to thank all of you for joining MIIEX '24. We are proud to inform you that this is the 13th consecutive year that UiTM Cawangan Melaka is organizing this exposition. Since 2009, UiTM Cawangan Melaka has successfully hosted this innovation exposition. Not only have we succeeded in organizing the exposition, but we have also successfully embarked on commercialized products.

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Thank you.

MIIEX'24 ORGANISING COMMITTEE

COMMITTEE	NAME
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	DR NORASHIKIN ADAM
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	AFZAN SAHILLA BINTI MOHD AMIR HAMZAH
	MUHAMMAD FURQAN BIN AZHAR
	KHAIRUL AZHAR BIN LOCHMAN

ABOUT MIIEX'24

MIIEX'24 is an innovation competition annually organised by UiTM Melaka with the intention to bring together ideas and inspiration that could fit in for commercialization needs.

This event creates a platform for researchers to establish networking, partnership and opportunities to collaborate with industries.

OBJECTIVES

1. Encourage and instil passion towards inventing and innovating among UiTM Cawangan Melaka staff, students and academicians of local and international higher education institutions;
2. Highlight distinguished talents of skilful inventors and exhibit intellectual products, inventions and innovations among local and private tertiary institutions, government and private agencies, including international participants;
3. Become an effective Business Matching platform for participating research products, matching industries and partnering government agencies;
4. Recognise, inspire and promote invention and innovation products to be patented and commercialized;
5. Increase passion towards inventing and innovating through research and boost interests of government and non-government agencies to obtain consultancy services from a line up experts of higher education institutions and UiTM Cawangan Melaka.

THEME

‘EMPOWERMENT OF SPECIAL NEEDS THROUGH INVENTION AND INNOVATION’

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Nour Travel & Tours

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Abstract

The essence of entrepreneurship is the ability to recognize and address gaps in the market. Nour Travel & Tours' creative approach to Hajj pilgrimage services is an ideal representation of this approach. An overview of our company's dedication to inclusivity is provided, which also describes how we serve a broad range of customers, including the elderly and those with disabilities. Our services are intended to ensure that everyone who believes in the divine, regardless of physical limitations, can participate in the Hajj, one of the most important religious pilgrimages for Muslims. We discuss the operational tactics that allow us to offer customized travel options, such as on-site assistance and specialist lodging, guaranteeing a respectable and rewarding pilgrimage experience. In addition to being in line with the fundamentals of entrepreneurship, our business plan shows how the travel sector can have a positive social impact. This summary showcases our efforts to enhance the Hajj experience, demonstrating our commitment to entrepreneurial excellence and developing a more inclusive pilgrimage landscape.

Keywords: people with disabilities, pilgrimage, travel, hajj, umrah

INTRODUCTION

The Persons with Disabilities Act of 2008 defines persons with disabilities (PWDs) as individuals facing long-term physical, mental, intellectual, or sensory impairments that hinder their full participation in society due to various barriers. These barriers encompass a spectrum of challenges, including hearing, visual, speech, physical, learning, mental, and multiple disabilities (Malaysia, 2024). Meanwhile, Hajj, a cornerstone of Islam, mandates pilgrimage to Baitullah al-Haram in Mecca during specific months, obligating acts of worship for those with the means, while Umrah, a similar pilgrimage, follows obligatory rites at any time (Jawhar, 2024). Amidst the ever-evolving landscape of travel and tourism, Nour Travel & Tours stands

as a beacon of innovation and inclusivity, specializing in organizing Hajj and Umrah journeys. Our commitment extends beyond traditional travel paradigms, recognizing the profound significance of these spiritual pilgrimages and the challenges faced, particularly by elderly and disabled pilgrims. Our goal is to ensure accessibility for all, providing bespoke travel solutions tailored to the unique needs of each pilgrim, empowering them to embark on their spiritual journey with comfort and tranquility.

OBJECTIVE

Our objective is centered on amplifying accessibility and inclusivity for individuals with disabilities and older pilgrims. This will be realized through the cultivation of partnerships with local communities, organizations, and government agencies to bolster support services. Aligned with our overarching mission of rendering the Hajj pilgrimage accessible to all, our aim is to foster an environment where every pilgrim, regardless of age or ability, can partake in this sacred journey with ease and comfort.

3. NOVELTY & INVENTIVENESS

Our company is notable for its dedication to accessibility, making the Hajj a spiritual pilgrimage accessible to all. The Nour Travel & Tours distinguishes itself in the travel business with its innovative approach to Hajj and Umrah services, specifically designed for individuals with disabilities. In order to guarantee that every part of the pilgrimage is accessible, we provide special travel packages that include wheelchair-accessible lodging and transportation (MHguardian, 2024). To properly support pilgrims with disabilities, our team receives specialized training that goes above and beyond the call of duty (Tobaiqy et. al, 2021). We make use of a smart booking system that makes it possible to personalize each pilgrim's journey to meet their unique requirements, guaranteeing a respectful and customized experience (Aljohani et. al, 2022). In addition to being progressive, our services are firmly based in the equality principle, allowing pilgrims of all physical capacities to perform the Hajj and Umrah with fulfillment and accessibility (Nabihah et. al, 2019). What differentiates Nour Travel & Tours from its competitors in the field is their dedication to diversity and creativity.

4. PRACTICALITY & USEFULNESS

We focus on accessibility, assistance, and personalization while providing useful and necessary services for the Hajj and Umrah pilgrimages. Transportation and accommodation which is wheelchair accessible is provided to guarantee that all pilgrims, including those with impairments, can easily carry out their rites. The next stage is to provide pilgrims with the assistance of professionally trained personnel to ensure a safe and comfortable journey at every turn (Tobaiqy et. al, 2021). In addition, personalizing travel packages to each pilgrim's needs improves the experience of their pilgrimage (Nabihah et. al, 2019). These services are essential since they relieve pilgrims of the burden of performing their religious responsibilities.

5. CONCLUSION

In conclusion, Hajj and Umrah are deeply meaningful journeys that unite Muslims and foster personal growth. Our agency ensures all pilgrims, including those with disabilities, receive the support they need. However, we must consider the broader impacts on the environment, society, and economy. While the large number of pilgrims can strain resources, responsible practices can help reduce these challenges. Additionally, by promoting inclusivity, Hajj and Umrah contribute to a more compassionate society. Economically, these journeys generate revenue and employment. By caring for the environment and fostering social and economic growth, Hajj and Umrah continue to benefit everyone.

REFERENCES

“Definition of Hajj and Umrah • Official Portal Department of Awqaf, Zakat Dan Hajj

(JAWHAR).” *Official Portal Department of Awqaf, Zakat Dan Hajj (JAWHAR)*,

www.jawhar.gov.my/en/hajj-and-umrah/definition-of-hajj-and-umrah/

“Malaysia.” *Disability:IN*, disabilityin.org/country/malaysia/.

Aljohani, Alhanouf, et al. “E-Government and Logistical Health Services during Hajj Season.

Bulletin of the National Research Centre, vol. 46, no. 1, 18 Apr. 2022,

<https://doi.org/10.1186/s42269-022-00801-4>.

Malaysia Airlines. (n.d.). MHguardian. Retrieved from

<https://www.malaysiaairlines.com/my/en/travel-info/mhguardian.html>

Nabihah, A., Shukri, M., Set, K., & Yadi, A. (2019). *Muslim Travellers' Perception*

On Quality of Service By Umrah And Hajj Travel Agencies In Malaysia. 1(1).

<https://journal.umt.edu.my/index.php/umtjur/article/download/47/7>

Tobaiqy, Mansour, et al. "Assessment of Preventative Measures Practice among Umrah

Pilgrims in Saudi Arabia, 1440H-2019." *International Journal of Environmental*

Research and Public Health, vol. 18, no. 1, 31 Dec. 2020, p. 257,

<https://doi.org/10.3390/ijerph18010257>.