



UNIVERSITI
TEKNOLOGI
MARA

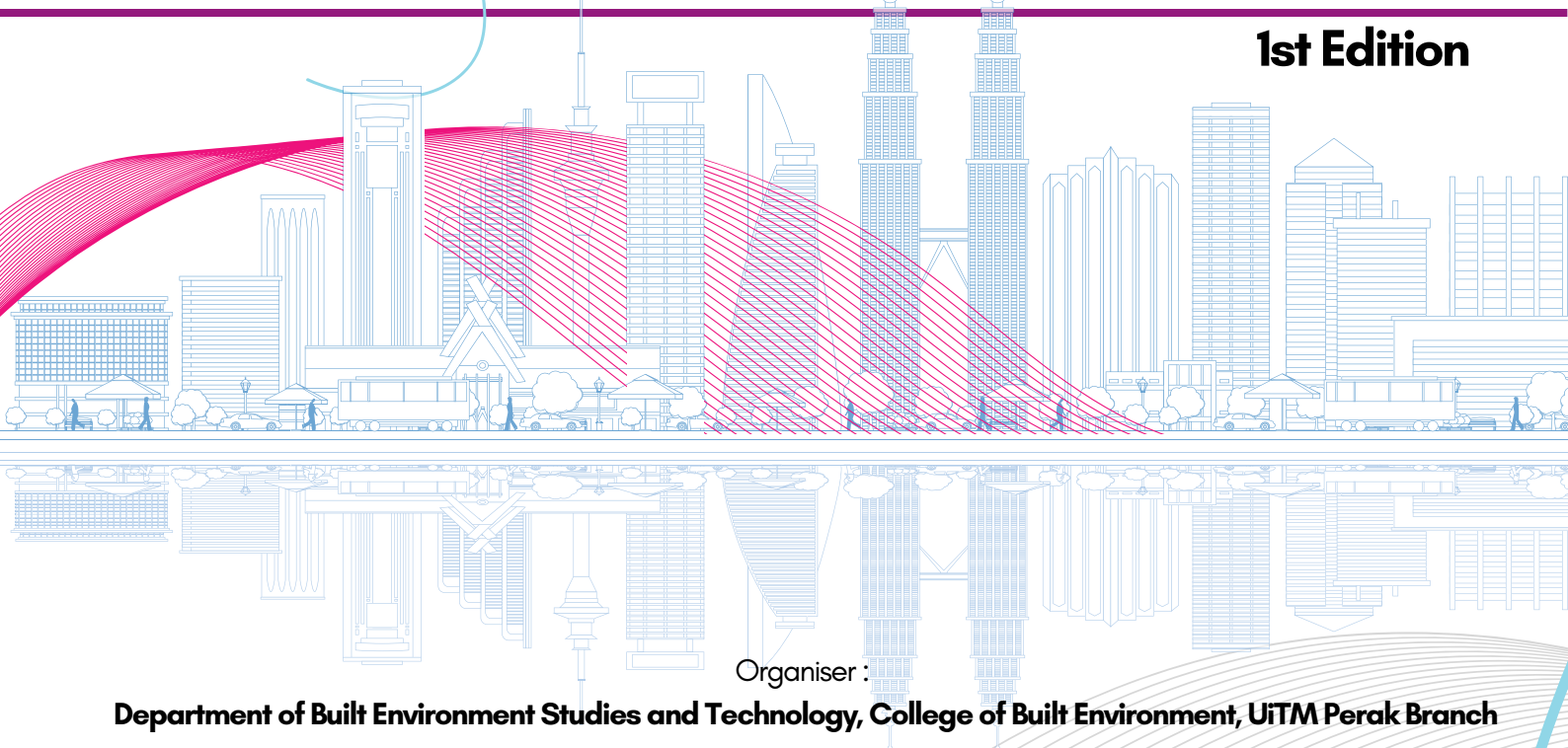
Cawangan Perak

e - Proceedings



Proceeding for International Undergraduates Get Together 2024 (IUGeT 2024)
"Undergraduates' Digital Engagement Towards Global Ingenuity"

1st Edition



Organiser :

Department of Built Environment Studies and Technology, College of Built Environment, UiTM Perak Branch

Co-organiser :

INSPIRED 2024. Office of Research, Industrial Linkages, Community & Alumni (PJIMA), UiTM Perak Branch

Bauchemic (Malaysia) Sdn Bhd

Universitas Sebelas Maret

Universitas Tridinanti (UNANTI)

Publication date :

October 2024

e - Proceedings



Proceeding for International Undergraduates Get Together 2024 (IUGeT 2024)
“Undergraduates’ Digital Engagement Towards Global Ingenuity”

Organiser :

Department of Built Environment Studies and Technology, College of Built Environment, UiTM Perak Branch

Co-organiser :

INSPIRED 2024. Office of Research, Industrial Linkages, Community & Alumni (PJIMA), UiTM Perak Branch

Bauchemic (Malaysia) Sdn Bhd

Universitas Sebelas Maret

Universitas Tridinanti (UNANTI)

© Unit Penerbitan UiTM Perak, 2024

All rights reserved. No part of this publication may be reproduced, copied, stored in any retrieval system or transmitted in any form or by any means; electronic, mechanical, photocopying, recording or otherwise; without permission on writing from the director of Unit Penerbitan UiTM Perak, Universiti Teknologi MARA, Perak Branch, 32610 Seri Iskandar Perak, Malaysia.

Perpustakaan Negara Malaysia

Cataloguing in Publication Data

No e- ISBN:

e-Proceeding IUGeT 2024 1st Edition

e ISBN 978-967-2776-40-6



Unit Penerbitan UiTM Perak.

Cover Design: Muhammad Anas Othman
Typesetting : Arial

IUDeC 2024 Committee

Project Leader

Ts. Dr Azizah Md Ajis

Assistant Project Leader

Ts. Nazrul Helmy

Secretary

Dr Afzanizam Muhammad
Siti Rohamini Yusoff

Treasurer

Dr Nurrajwani Abdul Halim

Graphics Team

IDr Ts Nordin Misnat (Head)
Muhamad Irfan Mohd Anuar
YM Raja Hazman Shah Raja Shahrulzaman

Website Team

Dr Nurbaidura Salim (Head)
Dr Wan Nur Rukiah Arshard
Dr Farah Salwati Ibrahim

Promotion Team

Jazmin Zulkifli (Head)
Farid Al Hakeem
Gs. Nurain Mohd Tarmizi
Dr Norizan Mat Akhir

Jury & ICT Forensic Team

Dr Muhammad Rijal Mohamad (Head)
Dr Siti Norsazlina Haron
Dr Wan Noor Anira Wan Ali
Ts Izzat Anuar

Registration & Certificate Team

Dr Atikah Fukaihah Amir (Head)
Dr Puteri Yuliana Samsudin

Competition & Documentation Team

Norfazillah Ahmad (Head)
Dr Norashikin Abdul Karim

Publication Team

Nur'Ain Ismail (Head)
Siti Nurhayati Hussin (Chief)
Shafikah Saharuddin (Sub-chief)
Ts Sr Dr Nor Nazihah Chuweni
Dr Nor Syamimi Samsudin
Dr Nurhasyimah Ahmad Zamri
Noor Anisah Abdullah @Dolah

Dr Syed Ahmad Qusoiri Syed Abdul Karim
Dr Iryani Abdul Halim Choo
Dr Nor Asma Hafizah Hadzaman
Noraini Md Zain
Abdul Muhaimin Ab Wahid
Noor Aileen Ibrahim

The Nexus Hub

Qurratu Ain Faqihah Shamizi^{1*}, Aniesha Anwar² & Muhamad Haziq Haikal Mohd Jafri³

^{1,2,3}Department of Built Environment Studies & Technology, College of Built Environment,
Universiti Teknologi MARA (UiTM) Perak Branch, 32610 Seri Iskandar, Perak, Malaysia

*2022873048@student.edu.my

ABSTRACT

The Nexus Hub, site located on the UiTM Seri Iskandar campus branch Perak, is envisioned as more than just a physical structure; it's a dynamic space that fosters community engagement, creativity, and sustainability. At its core, the pavilion serves as a focal point where students gather, interact, and connect with each other and their environment. The design of the Timber Retreat embodies a commitment to sustainability and innovation. By harmoniously integrating timber with contemporary design elements, the hub not only provides a visually striking environment but also showcases the potential of eco-friendly construction materials and practices. This emphasis on sustainability aligns with the ethos of the Fusion Timber Challenge, which seeks to promote environmentally conscious design solutions. Furthermore, the term "nexus" implies a central hub or connector, suggesting that the hub serves as a link between various elements of campus life. In addition to being a gathering space, the Nexus Hub is designed to accommodate a wide range of activities and functions.

KEYWORDS: Eco-friendly, multifunctional, environment, community, conventional

DESIGN DESCRIPTION

The Nexus Hub transcends the realm of mere structures, soaring into a symphony of sustainable magnificence. Timber, imbued with the very essence of nature, is not merely a building block, but a verdant tapestry woven into the hub's soul. It whispers tales of ancient forests and breathes life into the space, fostering a sense of warmth and inviting comfort that enfolds every visitor. Steel, the indomitable spirit of strength, pulses through the hub's veins, allowing it to defy gravity and embrace expansive horizons. It stretches towards the heavens like a metallic titan, its form unyielding yet graceful, creating a stage for innovation and boundless design. Glass, a transparent veil, shatters the boundaries between interior and exterior, inviting the very breath of nature to infuse every fiber of the hub's being. Sunlight streams through in a cascade of brilliance, illuminating the space and fostering a connection with the surrounding landscape. The world outside becomes an integral part of the experience, weaving a tapestry of light and nature that inspires awe. This confluence of materials is a marriage of form and function, a testament to human ingenuity that resonates in harmony with the surrounding landscape. The Nexus Hub is not just a structure; it is a hymn to sustainability, a beacon of innovation, and a portal to a deeper connection with the natural world. Not only that, The Nexus Hub serves as a multifunctional sanctuary tailored specifically to the needs of students. It functions as a dynamic space where students can engage in solitary or collaborative study sessions, foster connections with peers, partake in social gatherings and events, and unwind in moments of relaxation. Serving as a bustling nexus of academic exploration and social interaction, the pavilion acts as a central hub that unites students from diverse backgrounds and disciplines, fostering a vibrant community where learning and camaraderie intertwine to enrich the overall collegiate experience.



Figure 1: The Front view of The Nexus Hub



Figure 2: Top view of The Nexus Hub from leisure area



Figure 3: The view of The Nexus Hub

NOVELTY AND UNIQUENESS

The Nexus Hub stands out for its novel and unique design, showcasing innovative ideas for its architecture incorporation with influence of nature such as sunlight, gentle breezes, and surrounding trees. Additionally, The Nexus Hub seamlessly combines cutting-edge technology and sustainable materials, resulting in a visually stunning and aesthetically pleasing modern design that captivates observers with its sleek lines and eco-friendly features.

BENEFITS TO MANKIND

The Nexus Hub offer multifaceted benefits across various dimensions for students. Firstly, this pavilion serving as a conducive environment to improve their studies as the ambiance enhances their focus and concentration, ultimately elevating academic performance. They enhance the quality of life by offering recreational areas for relaxation and leisure activities, promoting mental well-being and stress reduction. Moreover, this hub advance knowledge and education by serving as hubs for research, innovation, and educational programs, promoting lifelong learning and skill development. Socially and culturally, pavilions serve as platforms for cultural exchange, artistic expression, and community engagement and diversity. Overall, The Nexus Hub play a big role in enriching student's development and academic excellence.

COMMERCIAL POTENTIAL

The Nexus Hub transcends mere utility; it emerges as a bastion of innovation, a sanctuary where the heartbeat of creativity syncs with the rhythm of community life. Designed not merely for study, but as a haven for intellectual discourse, it beckons students to transcend the confines of conventional learning spaces. Yet, its allure extends beyond the student body, inviting the local community to behold its magnificence and discover the boundless possibilities it holds within its architectural embrace. With a design imbued with unparalleled character and charisma, our pavilion stands poised not just to make waves, but to chart a course into the echelons of architectural greatness.

CONCLUSION

The Nexus Hub symbolizes the apex of collaboration and development, offering groundbreaking solutions to challenges faced by students. By providing interactive exhibits and thought-provoking discussions, it cultivates a feeling of solidarity among students, inspiring them to collaborate towards shaping a brighter future. It revitalizes their dedication to making positive changes and leaving a significant legacy.

ACKNOWLEDGEMENT

We convey heartfelt gratitude for the support, collaboration, and contributions of all individuals, organizations, and entities involved, whose collective endeavors were fundamental to the success and transformative impact of the fusion timber design project.

REFERENCES

- Open source Permanent — ABARI. (2015, September 11). ABARI. <http://abari.earth/open-source-permanent>
- Salo, A. B. (n.d.). Kaira Looro Architecture Competition - Finalists Peace Pavillon https://www.kairalooro.com/competition_peacepavillon/winningproject_finalists.html
- Trendir Editorial Staff. (2016, May 14). Weekend House - coastal cottage chic in Carmel, California. Trendir. <https://www.trendir.com/weekend-house-coastal-cottage-chic-in-carmel-california/>

Surat kami : 700-KPK (PRP.UP.1/20/1)

Tarikh : 20 Januari 2023

Prof. Madya Dr. Nur Hisham Ibrahim
Rektor
Universiti Teknologi MARA
Cawangan Perak



Tuan,

**PERMOHONAN KELULUSAN MEMUAT NAIK PENERBITAN UiTM CAWANGAN PERAK
MELALUI REPOSITORI INSTITUSI UiTM (IR)**

Perkara di atas adalah dirujuk.

2. Adalah dimaklumkan bahawa pihak kami ingin memohon kelulusan tuan untuk mengimbas (*digitize*) dan memuat naik semua jenis penerbitan di bawah UiTM Cawangan Perak melalui Repositori Institusi UiTM, PTAR.

3. Tujuan permohonan ini adalah bagi membolehkan akses yang lebih meluas oleh pengguna perpustakaan terhadap semua maklumat yang terkandung di dalam penerbitan melalui laman Web PTAR UiTM Cawangan Perak.

Kelulusan daripada pihak tuan dalam perkara ini amat dihargai.

Sekian, terima kasih.

"BERKHIDMAT UNTUK NEGARA"

Saya yang menjalankan amanah,

SITI BASRIYAH SHAIK BAHARUDIN
Timbalan Ketua Pustakawan

nar

Setuju.

27.1.2023

PROF. MADYA DR. NUR HISHAM IBRAHIM
REKTOR
UNIVERSITI TEKNOLOGI MARA
CAWANGAN PERAK
KAMPUS SERI ISKANDAR