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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**

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**Universitas Tridinanti (UNANTI)**

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## Nature's Pillar

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### ABSTRACT

"Nature's Pillar" is a place for all students, a refuge, and a community temple designed around sustainable living and active social involvement. Sustainably forested timber construction provides a living, earthbound hug that grows with each story. It drowns the room in sunshine and clean lines, providing both inclusivity and liveliness. It isn't a matrix; it's a chance to engage. Through its ambiguous boundaries, the design blurs the line between more outdoor spaces and provides a vision that allows students to walk beyond the confines of their home and into wider social engagement. Numerous locations have a place. One corner resonates with laughter as students decompress with games; another host's cosy seating for relaxation or huddling; yet another facilitates conversations – creating a platform for students to come together, get to know each other, and establish a community. But the harmony is more than visual; it scientifically supports a balance, a yin and yang, between pursuits and well-being, to ensure every student finds both productivity and peace under one well-designed roof.

**KEYWORDS:** Students, sustainability, community, balance

### DESIGN DESCRIPTION

Imagine a haven for students: a place where the warmth of natural wood meets sleek, modern design. This isn't just a dorm room; it's "Nature's Pillar," a vibrant social hub built with both sustainability and student well-being in mind.

**A Sustainable Sanctuary:** Step inside and feel the connection to nature. Walls and ceilings crafted from eco-friendly timber create a sense of organic calm. The warmth of the wood creates a sense of welcome, a place where you instantly belong.

**Modern Social Hub:** But "Nature's Pillar" isn't just about nature. Modern design elements – clean lines, open floor plans, and natural light – creating a feeling of openness and vibrancy. Picture comfortable seating areas arranged around sleek tables, perfect for group study sessions or catching up with friends.

**Blurring the Lines:** The lines between indoors and outdoors are beautifully blurred. Large windows and open doorways invite you to seamlessly flow between dedicated social spaces and calming outdoor areas. Imagine a landscaped courtyard nestled within the building, offering a haven for quiet reflection or group activities under the sky.

**A Space for Everyone:** No matter your social mood, "Nature's Pillar" has something for you. There might be lively game zones for laughter and friendly competition, tranquil relaxation pods for quiet moments, or spacious social lounges perfect for casual conversations and building friendships.



"Nature's Pillar" goes beyond aesthetics. The space aims to foster a harmonious equilibrium between academic pursuits and personal well-being. Here, students can find peace, connect with peers, and discover a true sense of belonging within a beautifully crafted and socially vibrant environment.



Figure 1: Main entrance



Figure 2: D' Heart



Figure 3: Chill-ax area



Figure 4: Study area



Figure 5: Leypark area

## **NOVELTY AND UNIQUENESS**

Unlike traditional student centres, which strictly separate social and academic areas, "Nature's Pillar" offers a more human-centered approach. Here, sustainable timber construction produces a pleasant and natural environment, encouraging a connection to nature even within the structure itself. This is enhanced by the seamless transition between interior and outdoors. Imagine seamlessly transitioning from a bustling social area with modern furniture to a serene courtyard buried within the building, providing a place for peace and quiet. This symbiotic design philosophy encourages a holistic approach to well-being, recognizing the critical role that social interaction and connection with nature have in student performance.

## **BENEFITS TO MANKIND**

"Nature's Pillar" proposes a unique student centre idea that combines academic and social facilities, integrating eco-friendly timber construction to create a warm and welcoming environment. This design prioritises student well-being by encouraging relaxation in nature-inspired courtyards, social connection in designated activity areas, and environmental responsibility through sustainable elements. This concept's adaptability allows it to benefit student populations all over the world, ultimately generating a strong sense of community, a stronger connection to nature, and a path towards a more sustainable future.

## **COMMERCIAL POTENTIAL**

The "Nature's Pillar" idea offers a unique approach to student centre design, focusing on well-being through sustainable construction and integrated social activities. Market research should focus on the demand from universities and colleges for such solutions. While cost analysis of sustainable materials and construction is critical, the concept's scalability and possibility for licensing fees indicate interesting revenue streams. Competitive pricing, compliance with building requirements, and intellectual property protection are all critical to success. Engaging students and utilizing technology can improve the overall user experience. Finally, a thorough examination of these factors will establish the viability of "Nature's Pillar" as a sustainable and impactful business strategy.

## **CONCLUSION**

The "Nature's Pillar" concept, which combines sustainable timber construction with modern design elements, has the potential to be a paradigm shift in student centre design. This creates a welcome climate that values student well-being. Crucially, the design includes designated spaces for social activities, providing students with a safe sanctuary to unwind, interact with peers, and find refuge away from the stresses of academic life.

## **REFERENCES**

- Heuchel, Christian. (2018). *The New Timber Architecture: Wood in Contemporary Design*.  
Jodidio, Philip. (2020). *Building with Nature: How Timber Structures are Changing Cities*.  
Keener, Gail S. (2011). *The Student Center Handbook: A Guide to Planning, Design, and Management*. Jossey-Bass.  
Worpole, Ken. (2014). *Student Centers: Design for Higher Education*. Routledge.

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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*

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