

e - Proceedings



Proceeding for International Undergraduates Get Together 2024 (IUGeT 2024)

"Undergraduates' Digital Engagement Towards Global Ingenuity"



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)

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The Technature

Muhammad Ammar Zamri¹, Aiuni Anisah Ahmad Dali^{2*}, Muhammad Naufal Nabil Mohd Zamri³ & Nadia Qistina Mohamad Nor⁴

^{1,2,3,4}Programme of Studies for Interior Design Technology, Department of Built Environment Studies & Technology, College of Built Environment, Universiti Teknologi MARA (UiTM) Perak Branch, 32610 Seri Iskandar, Perak, Malaysia

*2022893106@student.uitm.edu.my

ABSTRACT

The Technature is a student hub designed for recreation and study outside of faculty spaces. This hub is closest to the lake at UiTM Seri Iskandar. So basically, a student hub might be a physical area on campus where students can access various services, resources, and activities. This is known as a student hub because it stands out as an eco-friendly space because it integrates technology with nature, featuring a solar power system that allows students to charge their devices and access free Wi-Fi. Student hubs centralise resources and support to make students' academic and social experiences more seamless and enriching. Since a mushroom is the subject matter of this design, the term "The Technature" refers to the concept of combining technology with nature.

KEYWORDS: Student hub, electricity eco-friendly, mushroom, solar, technology

DESIGN DESCRIPTION

Inspired by the concept of a mushroom, The Technature is a pavilion that seamlessly blends technology with nature. Its design incorporates natural elements and outdoor spaces, creating a calming environment that enhances focus and relaxation. The term "Technature" represents the fusion of technology and nature, using advancements to better understand and protect the natural world. The pavilion's eco-friendly features address environmental issues, promote sustainability, and enrich the student experience by saving natural resources, reducing electricity costs, and providing an engaging, green space for students. Comfortable seating, study areas, and multimedia resources equip the hub to support both academic and recreational activities.

NOVELTY AND UNIQUENESS

The pavilion's design, inspired by the concept of a mushroom, seamlessly merges technological innovation with natural elements. This integration creates a distinctive environment where modern conveniences and ecological principles coexist harmoniously. These features educate students about environmental practices and technologies, making the hub not just a space for productivity but also a learning resource on sustainability.

BENEFITS TO MANKIND

Technature educates students and the community about environmental issues and eco-friendly practices. This raises awareness and fosters a culture of environmental responsibility. Therefore, The Technature's calming and natural design creates a positive space for relaxation and social interaction. This contributes to mental health and stress reduction among students and community members. By setting a high standard for sustainable student facilities, The Technature can serve as a model for similar projects worldwide, amplifying its positive impact on a global scale.



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Figure 1: The Technature



COMMERCIAL POTENTIAL

The use of a solar power system to supply electricity is not just about sustainability but also about practical cost savings. This feature highlights the project's commitment to reducing environmental impact while providing essential services. By providing a state-of-the-art, sustainable environment, The Technature can attract prospective students and improve retention rates. Its amenities and focus on student well-being contribute to a positive campus experience.

CONCLUSION

Technature is more than simply a gathering place for students; it's an innovative project that aims to create a more sustainable, interconnected, and peaceful future by fusing ecological consciousness with pragmatism. It will symbolise a ground-breaking combination of technology and environment, demonstrating a dedication to sustainability, creativity, and improved educational opportunities for students. This student hub at UiTM Seri Iskandar, which is close to a lovely lake, redefines what a contemporary academic place might be. The Technature's design not only satisfies present requirements but also serves as an example for upcoming initiatives and methods in technology integration and sustainable architecture.

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