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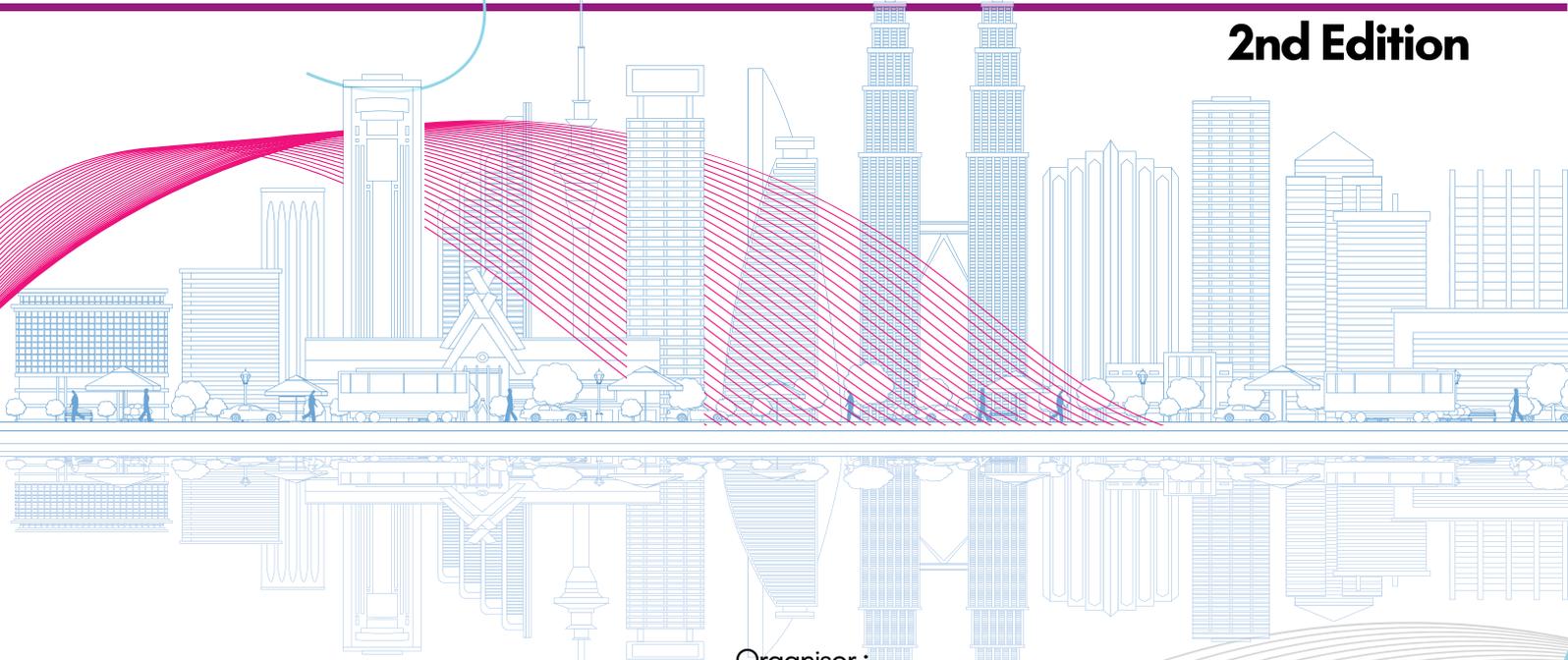
Cawangan Perak

e - Proceedings



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

**2nd 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 Tridianti (UNANTI)**

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## Prism Ascent

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### ABSTRACT

Prism Ascent is a timber and glass based pavilion inspired by the crystal shape that can be used as a lounge, group discussion, mini library, shelter, or as a rest area in the parks. We provide covered spaces and open spaces suitable for students to relax, have group discussions or seek shelter. It can be used as an exhibition, art installation or as a temporary structure for events. The target user can be anyone but is mainly focused on UiTM residents. It is a place that provides a harmonious combination of nature, where you can relax and offers a quiet place to de-stress. Prism Ascent offers a comfortable swing ball seating in front of the mini library and also offers a prism-shaped bench complemented by a tree in the middle that creates a peaceful environment. For the open space we also use a stairs with different functions either seat on comfortable cushion or use other stair to go up to the lofnet. The stairs it also comes with few planter box on several step to give the nature atmosphere.

**KEYWORDS:** Swing ball seating, lounge area, mini library, prism-shaped bench, planter box

### DESIGN DESCRIPTION

Prism Ascent, named after its crystal-shaped pavilion, offers multiple functions and numerous advantages. The pavilion utilizes crystal shapes made of wood and smart glass that can respond to weather conditions by changing from dark to clear in seconds, rendering it energy-efficient. Additionally, the prism-shaped bench provides an attractive resting place, complemented by a tree in the middle, creating a natural atmosphere. The unique shape not only offers a stunning visual but also enhances the overall aesthetics of the environment, drawing attention to its unique features. Moreover, the pavilion features a vertical garden inside to maintain a clean environment and provide a captivating view. On the first floor, a mini library is nestled under the lofnet, offering a serene reading space where visitors can also enjoy the ball swing suspended in front of it. On the opposite side, two sets of stairs serve different functions. Visitors can either sit on comfortable cushions for group discussions or ascend the other stairs to the loft for a more leisurely experience. Planter boxes are strategically placed on several steps to preserve the natural atmosphere and reinforce the pavilion's connection with nature. Furthermore, a rainwater collection system is one of the steps to irrigating the plants. The lofnet provides guests with an opportunity to clear their minds and enjoy breathtaking views, serving as an ideal vantage point for contemplation and relaxation, allowing visitors to fully appreciate the beauty of their surroundings while indulging in moments of tranquility.

### NOVELTY AND UNIQUENESS

Prism Ascent stands out for its novelty and uniqueness, as it has a crystal-shaped pavilion made of wood and smart glass, which is able to adapt quickly to weather changes, thus ensuring energy efficiency. In addition, its prism-shaped bench has a tree in the middle of the greenery, offering an attractive resting place, highlighting the natural atmosphere. The distinctive shape of the pavilion not only captivates with its stunning visual appeal but also enhances the overall

aesthetics of the environment, drawing attention to its unique features. Moreover, the inclusion of a vertical garden inside adds to its appeal, providing a charming and refreshing view.



Figure 1: View from in front of the pavilion



Figure 2: View at mini library

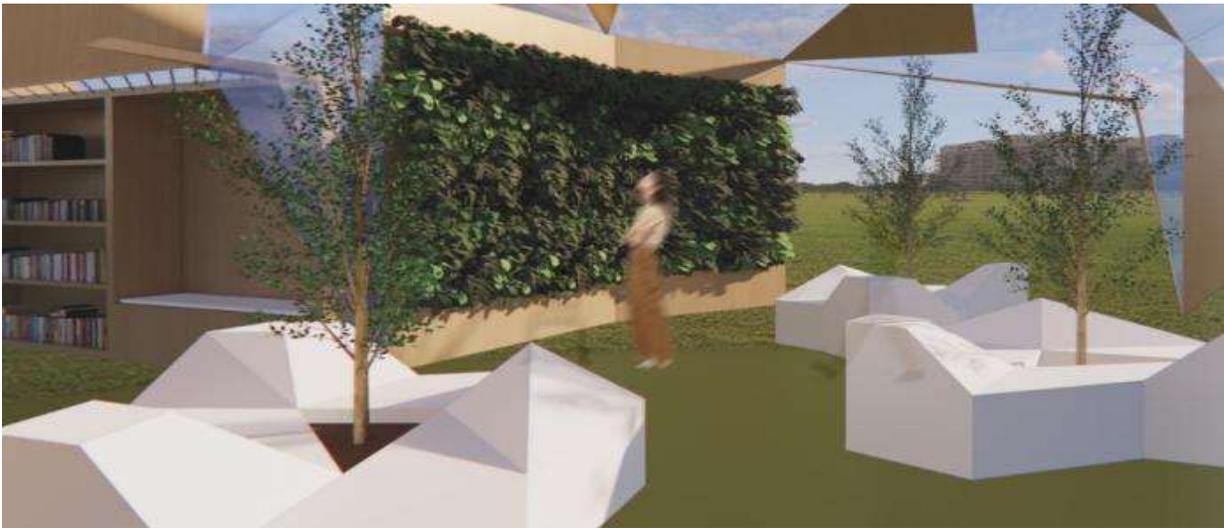


Figure 3: View at lounge area

### **BENEFITS TO MANKIND**

This Prism Ascent Pavilion, with its innovative crystal-shaped pavilion, not only offers aesthetic appeal but also serves as a harmonious combination of simplicity and nature that can ensure that student can always engaged and motivated to learn. Through its utilization of smart glass and wood, the pavilion promotes energy efficiency, contributing to sustainable practices for the benefit of mankind. Additionally, its integration of features like the vertical garden and rainwater collection system demonstrates a commitment to enhancing the environment and fostering a harmonious relationship between humans and nature. By providing a serene space for reflection and relaxation, the pavilion enriches the lives of visitors, offering them moments of tranquility amidst the beauty of their surroundings.

## **COMMERCIAL POTENTIAL**

The Prism Ascent Pavilion has significant commercial potential due to its unique and eye-catching design. It offers a versatile space suitable for various purposes. This multifunctional pavilion can be marketed to municipalities, universities, companies and event organizers looking for unique and innovative structures for public spaces, or temporary installations. In addition, it provides opportunities for branding, sponsorship, or organizing events, exhibitions or cultural activities, further increasing its commercial appeal. It can also make it a valuable asset for businesses and investors looking to attract customers and create an unforgettable experience for visitors with plenty of activities to enjoy. Like, a mini library and a relaxing place and so on. Overall, Prism Ascent presents a lucrative opportunity for businesses and organizations looking for a unique architecture solution.

## **CONCLUSION**

In conclusion, Prism Ascent stands as a testament to innovative design and sustainable living, offering a multifaceted experience that harmoniously blends modern amenities with natural elements. With its energy-efficient materials, captivating aesthetics, and thoughtful integration of green technologies, the pavilion not only provides practical benefits but also fosters a deeper connection with the environment. From its dynamic smart glass to the tranquil loftnet, every aspect of Prism Ascent is meticulously crafted to enhance the well-being of visitors while preserving the beauty of its surroundings. As a beacon of eco-consciousness and tranquility, Prism Ascent invites guests to immerse themselves in moments of serenity and appreciation for nature's wonders.

## **ACKNOWLEDGEMENT**

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Rektor  
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