



**VIDYA ACADEMY OF SCIENCE AND  
TECHNOLOGY,  
THALAKKOTTUKARA**

**DEPARTMENT OF CIVIL  
ENGINEERING  
IN ASSOCIATION WITH VYVIDH  
'24-25 PRESENTS**

**VASTATVA 2024-25**

# VASTATVA '24-25 REPORT

## **Introduction:**

The Civil Engineering Department of Vidya Academy of Science and Technology conducted a two-day tech fest named "Vastatva" on October 4<sup>th</sup> and 5<sup>th</sup>, 2024. The event aimed to provide a platform for engineering students from various institutions to showcase their technical skills and knowledge.

## **Events and Pavilions:**

The Department of Civil Engineering hosted techfest Vastatva '24-25 on October 4<sup>th</sup> and 5<sup>th</sup>, 2024. The main expo, Aakriti, was centered on sustainable, disaster-resilient infrastructure, and innovative technologies. Focus areas included eco-friendly materials, resilient urban planning, and advanced disaster response mechanisms. This event showcased cutting-edge initiatives in civil engineering, emphasizing sustainability and the interconnectedness of elemental forces (earth, water, fire, wind, and space) for a harmonious habitat.

Aakriti at Vastatva '24-25 was a significant platform promoting sustainable and resilient civil engineering solutions. The highlight of Aakriti was a 2V Geodesic Dome. It is a small scale dome structure composed of 12-20 triangular facets. It is the lowest frequency geodesic dome, offering a compromise between structural strength and simplicity. The construction prioritized cost-effectiveness without compromising structural integrity. The exhibition also showcased diverse architecture models, providing a comprehensive display of various design approaches within the field. Notably, virtual reality (VR) was employed to demonstrate building designs, and a dedicated pavilion honored the placements and memories of senior students who had graduated and contributed significantly to past projects.

Zora, The Junior Expo was a showcase of creative solutions developed by young minds in response to challenges faced by communities after the Wayanad landslide. One of the key themes of the expo was to showcase the area affected by the landslide and post-landslide management. The event aimed to educate and empower students to think critically about infrastructure design, disaster recovery, and sustainability. The event also facilitated networking opportunities with professionals and peers, acting as a catalyst for knowledge exchange and career development in civil engineering. In today's era of environmental challenges and increased disasters, civil engineering is crucial for mitigating risks and

promoting sustainable living. The Expo facilitates knowledge exchange, fostering collaboration among professionals and academia. This contributes to the evolution of civil engineering practices, prioritizing sustainability, resilience, and community well-being for a harmonious and secure future.

Apart from the expo, the tech fest featured several technical games, such as Design wizard, Girder King, Workshop, Seminar, and Concrete crush. These games provided a platform for students to showcase their technical skills and knowledge. The games were challenging and allowed students to demonstrate their creativity and problem-solving abilities.

- Design wizard

A CAD drawing is provided for the participants and the one who completed the replica of the given drawing first, meeting all the provided conditions, won the game. The event was conducted on the first day at 10.30 am.

Winner: Aswin T R, S3 CE - Rs 2000

- Girder King

Girder models are made with given ice-cream sticks and glue. The maximum load bearing girder wins the game. The event was conducted on the second day at 10.30 am.

Winner: Edith and Nivin, S1` CE - Rs 500

- Concrete Crush

The participant casted concrete cube with given materials and after 7 days, the cube with the most strength wins the game. The event was conducted on the second day at 2.00 pm. Winner will be announced after 7 days of casting.

- Workshop on Structural Analysis and Designing

A free workshop on Structural Analysis and Designing by Mr. Sarath was conducted with full attendance. The event was conducted on the first day at 2.30 pm.

- Seminar on Building Beyond Space

The session was handled by Mr. Renjith R. He is an assistant professor of CE at VAST. He discussed the topic 'Building Beyond Space. The event was conducted on second day at 10.30 am.

- In addition to technical events, non-technical events were also conducted to engage students from different backgrounds. These events included Neon Football, Face Painting, Fear Chamber, Casino Royale, and Mini Militia. These events were aimed at providing a fun-filled experience to the participants and helped them to showcase their creative abilities.

- Neon Football

This is a 3s football game set within a dark room with neon lightings. The event was conducted on the first day.

Winners: Kuttanellur FC- Rs 3000

Runner Up: S7 civil - Rs 2000

- Casino Royale

A bunch of small games ensured maximum participation with minimal entry fee. The event was conducted on both days.

- Mini Militia

Participants actively involved in the 2D multiplayer action game. The event was conducted on the first day.

Winners: Ezarious- Rs 1000

Runner Up: Tharavad- Rs 500

- Face Painting

Visitors can do a painting on their body with any design of their choice. The event was conducted on both days.

- Nashville

A room setup which was created to experience the horror in real life for the visitors. The event was conducted on both days.

### **Conclusion:**

In conclusion, the Vastatva tech fest conducted by the Civil Engineering Department of Vidya Academy of Science and Technology was a remarkable event. It brought together engineering students from various institutions to showcase their technical skills and knowledge. The tech fest was a great success and a fantastic opportunity for students to network with peers and experts in the field under the common name of Vyvidh. Overall, the event was a testimony to the efforts of the organizers, students, and faculty members who worked tirelessly to make the event a grand success. The students' hard work and dedication were clearly reflected in this fest. It was a wonderful opportunity for the participants to showcase their talents.

