



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

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

VASTATVA 2024

VASTATVA '24 REPORT

Introduction:

The Civil Engineering Department of Vidya Academy of Science and Technology conducted a two-day tech fest named "Vastatva" on February 29th and March 1st, 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 on February 29th and March 1st. The main expo, Agira, 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.

Agira at Vastatva '24 was a significant platform promoting sustainable and resilient civil engineering solutions. The highlight of Agira was a suspension bridge featuring a design utilizing sustainable materials for enhanced durability. The bridge was engineered to safely support a capacity of 5 to 6 persons, made up of using 5 feet steel pipes and 20 feet pipes. The construction prioritized cost-effectiveness without compromising structural integrity. The exhibition showcased diverse architecture models, providing a comprehensive display of various design approaches within the field.

Saha Junior Expo served as a comprehensive platform for aspiring civil engineers, offering exposure to diverse disciplines, including surveying, transportation, structural engineering, geotechnical engineering, water resources, and professional ethics of engineers. Attendees benefited from insights into cutting-edge advancements, enhancing their practical understanding of the field. 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 on Tekla structure detailing, 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 : Nandhan K V, S8 CE B - Rs 1000

- 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: Amaljo K Joshy and Renjima Jojo, S6 CE A& B - Rs 1000

- 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 Tekla structure detailing

A free workshop on Tekla structure detailing by Mr. Mohammed Haris in association with keywor technologies was conducted with full attendance. The event was conducted on the first day at 2.30 pm.

- Seminar on Perception of sustainability and its dialectics

The session was handled by Mr. Neerad Mohan. He is an entrepreneur and founder of the firm "Studio Plantale". He discussed the topic 'perception of sustainability and its dialectics'. 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 Paintball. 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: Abyuh FC- Rs 4000

Runner Up: Adith FC - Rs 1000

- Casino Royale

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

- PaintBall Arena

Participants shot color bullets with guns wearing all safety measures. The event was conducted on the first day.

- Face Painting

Visitors can do a painting on the body with any design they want. The event was conducted on both days.

- Fear Chamber

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 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.

