

# Chapter Reports

## Launch of the ACI D.Y. Patil College of Engineering and Technology Student Chapter

The new ACI Student Chapter at the D.Y. Patil College of Engineering and Technology (DYP CET), Kasaba Bawada Kolhapur, Maharashtra, India, was inaugurated on March 4, 2024. Vinod B. Vanvari and Chetan S. Patil, Directors of the ACI India Chapter, were the guests of honor at the event. Overall, 200 students and faculty of the Department of Civil Engineering attended. The ceremony commenced with the welcome address by K.M. Mane, Head, Department of Civil Engineering. This was followed by a presidential address from A.K. Gupta, Executive Director, DYP Group. He encouraged the students to use the dynamic learning environment of DYP CET to develop problem-solving skills, teamwork, communication, and leadership skills.

In his comments, Vinod Vanvari congratulated DYP CET Principal S.D. Chede, K.M. Mane, faculty coordinator Varsha Doijad, and the officers of the ACI DYP CET Student Chapter. Vanvari offered well wishes for continuing the sustainable growth of the Chapter. Chetan S. Patil delivered a keynote speech on the advances in concrete technology and the challenges and opportunities for the future.

In closing, Sanika Shinde, President, ACI DYP CET Student Chapter, thanked the participants.



The inaugural event of the ACI DYP CET Student Chapter



A.K. Gupta (right), Executive Director, DYP Group, addressed the ACI DYP CET Student Chapter

## ACI Eastern Pennsylvania and Delaware Chapter

### Student beam contest results

The ACI Eastern Pennsylvania and Delaware Chapter (EPD ACI) held its annual student beam contest at Widener University in Chester, PA, USA, on April 6, 2024. Eight teams representing four colleges participated. This year's contest consisted of designing and constructing a reinforced concrete beam with the following restrictions:

- Cannot weigh more than 50 lb (23 kg);
- Must be 40 in. (1020 mm) long; and
- Cannot have more than a total of 108 in. (2740 mm) of No. 3 reinforcing bar.

There were no restrictions on beam cross-section configuration and dimensions.

Participating colleges were the Universidad Nacional de Ingeniería (UNI), Lima, Peru; Widener University, Chester, PA; the University of Delaware, Newark, DE, USA; and Rowan University, Glassboro, NJ, USA. The contest was held



Top two teams in the EPD ACI student beam contest

at Widener University's Civil Engineering Department's Charles L. Bartholomew Laboratory.

The beams were loaded to failure by applying a concentrated load at midspan. Prizes were awarded to the three beams with the highest failure load.

The winning team was Optimus Arcus from Widener University with a failure load of 24,359 lb (108 kN). Team members were Hunter Timmons and Michael Donaghy. They were awarded the first-place prize of 1500 USD. The faculty advisor was Mohamad Jililati.

The 1000 USD second-place prize went to Four Llamas from UNI Peru with a failure load of 11,123 lb (49.5 kN). Team members were Dante Miguel Loayza Hinostroza, Flavio Cesar Morales Vargas, Nils Ericsson Vargas Salcedo, and Axel Eduardo Marin Aquino. The faculty advisor was Ladislao Jesus Basurto Pinao.

Finishing third was UNI-CO, also from UNI, with a failure load of 11,047 lb (49.1 kN). They received 500 USD. Team members were Justin Israel Huachaca Salinas, Alexis Santiago Lira, and Antonio Sulluchuco Peña. The faculty advisor was Ladislao Jesus Basurto Pinao.

EPDACI thanks all the students and faculty advisors who participated and made the contest possible.

## EPDACI student scholarship

EPDACI offers an undergraduate student scholarship for students in the Chapter area, Eastern Pennsylvania and Delaware. The student must be enrolled in a program with an emphasis on structural and civil design, materials, design construction, and/or construction chemicals. One scholarship package is offered each year and is valued at 10,000 USD. These scholarships are administered entirely by EPDACI and are not affiliated with the ACI Foundation.

Visit [www.epdaci.org/Scholarship](http://www.epdaci.org/Scholarship) or call +1.215.628.9844 ext. 104 for more information. Applications for fall 2024 enrollments are due by July 12, 2024.

## ACI Yarmouk University Student Chapter Visits Irbid Model School

To promote a culture of sustainability and innovation from an early age, the ACI Yarmouk University Student Chapter arranged a special visit to engage with 11th-grade students at Irbid Model School, Irbid, Jordan. The visit aimed to educate young minds about sustainable construction procedures and encourage them to learn about sustainable construction materials.

The visit started with an interactive session, where the ACI members shared insights into the principles and practices of sustainable construction. From the importance of minimizing carbon emissions to the use of eco-friendly and cost-effective

materials, students were introduced to the general approach to sustainable building.

The ACI Student Chapter members elaborated on how sustainable construction techniques can positively impact the environment, communities, and the overall durability of structures. Concepts such as green cement and waste reduction were explained, inspiring students with knowledge that extends beyond the classroom.

The students had the opportunity to participate in hands-on activities and demonstrations, exploring alternative materials like geopolymer concrete and slag cement. Throughout the visit, the ACI team also took the opportunity to inform the students about the events and competitions organized by the ACI Yarmouk University Student Chapter.



**Outreach by the ACI Yarmouk University Student Chapter to high school students**