

Solar Decathlon India competition

finals 25th -28th May 2023

The Solar Decathlon India is conducted every year by the Indian Institute for Human Settlements (IIHS) and the Alliance for an Energy-Efficient Economy (AEEE) under the aegis of the Indo-US Science and Technology Forum (IUSSTF), an autonomous bilateral organisation jointly funded by both the Governments (The Department of Science & Technology, Government of India and the U.S. Department of State are the respective nodal departments on the two sides).

“It is an innovative platform that encourages and instils a healthy competitive spirit in youngsters by challenging them to think outside the box and use their ingenuity to design a net-zero niche. It was encouraging to see how inventive and imaginative solutions to global climate change challenges were presented at the finals,” Chaitali Bhattacharya, Interim Director, IUSSTF, pointed out at the annual challenge for undergraduate and postgraduate students to develop innovative, net-zero energy-water and climate-resilient solutions for the building sector in India to combat Climate change.

Prasad Vaidya, Director Solar Decathlon India, said, “Some of these student teams have developed net-zero building designs that are at par with the work of best professional design teams in India. Within 9 months, these students could scale a very steep learning curve.

Student team partnered with real estate developers and develop affordable and industry-ready solutions for real building projects. It is a hands-on, practical, innovation-based challenge that moves the construction and real estate industry towards implementing net-zero solutions developed by students.

These final designs have to be innovative, affordable, practical, and market-ready.

BUILDING DIVISIONS:

In the 2022-23 Challenge, teams will compete in one of the following six Divisions. These building types propose unique and critical building problems that India faces. The teams will collaborate with the industry to work on regional, yet cutting-edge solutions to these problems.



Multi-Family
Housing



Single-Family
Housing



Educational
Building



Office
Building



Community
Resilience Shelter



On-site
construction
worker housing

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KEY STATISTICS:

Participation from 1780 students and 126 academic institutions.

There were 36 finalists who competed by showcasing to the eminent jury (consisting of Architects, Developers & builders and Industry partners) at Infosys campus, Mysore on 25th to 28th May 2023.

Student teams presented net-zero solutions for 36 real building projects on the final day of presentation

12 teams (two from each of the above category) received the awards.

Team Green collars rose to be the winners of the educational building category

EDUCATIONAL BUILDING CATEGORY

Winner:

Team **Green Collars** from RV College of Architecture (Twelve students), RV college of Engg. (One student), and School of Design, RV University (one student).

Green collars Students from multidisciplinary areas:

RVU - Dhatri - B.Des. Spatial design and interior design.

RVCE - Rakesh - B.E. Mechanical

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Solar™ Decathlon India

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DNV Educational Building

ADMINISTRATION
ARRIVAL PLAZA
ATRIUM
LIBRARY
LECTURE THEATRE
EXAMINATION HALL
RESEARCH LABS
BASEMENT

Team BMSCE-CA

Lead Institution
BMS College of Architecture

Partner Institution
BMS College of Engineering

Project Partner
Rays Academy for Learning

Team Austenite

Lead Institution
IES College of Architecture

Project Partner
Indian Education Society, Mumbai

Team Green Collars

Lead Institution
RV College of Architecture

Partner Institutions
School of Design, RV University
RV College of Engineering

Project Partner
Gyandeeep Foundation

Team Lens

Lead Institution
SMEF's Brick School of Architecture

Partner Institution
BRAC's Vishwakarma Institute of Information Technology

Project Partner
Karunar Kheti Trust

Team SunErgon

Lead Institution
Jindal School of Art and Architecture

Partner Institution
Jamia Millia Islamia

Project Partner
Orphans in Need

Team Vinaya

Lead Institution
Dr. Bhanuben Nanavati College of Architecture

Partner Institution
Indian Institute of Technology Bombay

Project Partner
Jnana Prabodhini Prashala

Team Yuktha

Lead Institution
School of Planning and Architecture,
Jawaharlal Nehru Architecture and Fine Arts

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