



Thoughtful Cooling – a Workshop on Cooling Interiors

The Rachana Sansad Institute of Environmental Architecture (RSIEA), Mumbai, in collaboration with Fairconditioning Programme, Pune, organized a 3-day training workshop – ‘Thoughtful Cooling’ – from 9 to 11 January 2015 at the RSIEA. The workshop aimed at teachers, architects and building services professionals. Nearly 12 colleges from Maharashtra, 13 architectural firms and students from 4 colleges participated.

This certificate programme, under the scope of Fairconditioning ‘cooling efficiently’, was endorsed by the Ministry of Power and financed by the State of Geneva, Switzerland; co-organised with the Indian Institute of Architects (IIA), Greater Mumbai Center. The event focused to integrate energy efficiency proficiency in student curricula to prepare future graduates for the challenges in their profession.

THE CHALLENGE

Current energy consumption trends in India and other developing countries are unsustainable and unaffordable. It is channelling limited resources towards urban areas. Energy consumption in residential sector constitute to inequality yet, a potential for improvement and savings. Until now, energy efficiency hasn’t been a priority while designing and operating buildings. This workshop aims at modifying architecture curriculum, to enable future architects and engineers to design energy efficient buildings. “This is a great challenge and opportunity for our country and we are certain, through thoughtful education, to bring in change” said Prof. Roshni Udyavar, Head of RSIEA.

THOUGHT FOR COOLING

The workshop apprehended on Thoughtful Cooling and dealt with pedagogy through various methods. It introduced participants to laws and policies on global warming and ozone depletion. On elaborating the

environmental challenge of cooling interiors with minimal impact on global warming and ozone depletion, Rajesh Rangarajan of CBalance Hub, stated that the number of AC’s in the country are projected to increase 10 times by 2030.

Prof. Roshni Udyavar elaborated on ECBC 2007- its scope, compliance and implementation in different states of India. Prof. Shirish Deshpande of RSIEA and Deepa Parekh of EDS Global, explained the concepts of thermal comfort and passive design strategies respectively. Ar Aalok Deshmukh of Schneider Electric shared his experience on the retrofit of the Empire State Building, Ar Sanjay Patil introduced the participants to energy efficient farm house and institutional buildings as case studies. Various HVAC system level design and efficiency considerations were discussed from design to its operation. Direct and indirect cooling systems by Darshil Dhaliwal, Radiant Cooling Techniques by Surendra Shah and Vapor Absorption Systems by Deepak Gadhia; enlightened the participants. The workshop included two sessions on Effective Pedagogy: learning and teaching by Dr R K Pandit, Head, MITS, Gwalior. He elaborated the need of the subject in architecture and discussed, Principles of Learning and Teaching (PoLT).

The participants were taken to Svantantriya Veer Smarak Auditorium at Dadar which is designed with solar PV, efficient outdoor and indoor lighting, load balancing, multiple electric meters and a structural cooling system. Where the implementation of structural cooling system has saved 40 per cent energy load.

Reports and speaker presentations are available at www.rachanasansad.edu.in



India Design ID 2015

Giulio Cappellini, Art Director of Istituto Marangoni School of Design, participated in ‘ID Symposium’, a part of the third edition of India Design, New Delhi, held for a week on new products and interior design trends.

India Design ID 2015, a platform to create an innovative design and business-based talent factories, to fuel the design economy of the country. ID recognizes and celebrates designers and their creativity from product to interior design, architecture to conservation, installation to lighting design. The week long event kicked off on 9 February 2015 with off-site activities across the design districts of the city, culminating with the main event at the NSIC Grounds, Okhla, New Delhi from 13-15 February 2015. The event presented by the title sponsor, Asian Paints, had three verticals: **Exhibit ID, ID Symposium and ID Satellite.**

Exhibit ID showcased high-end brands and designers’ latest collections. Decoration Pavilion showcased some of the best brand names in décor, Trends Pavilion presented the Colour Next trend forecasts for 2015 and Design Pavilion showcased designers’ creativity. Decoration Pavilion exhibitors included apartment9, art d’inox, beyondDESIGNS, Godrej Interio, Hafele, Iqur + Ritz, klove, K2 India, Natuzzi Italia, Swarovski, Turning Tables for Origine, among others. Design Pavilion, a major attraction, housed Abraham & Thakore, Adil.i.Ahmad, AnanTaya AKFD, Anita Dalmia Designs, Godrej Design Lab, Mike Knowles, Anupama Kundoo, CMYK Book Store, Pradeep Sachdeva, RP Design, Sahil and Sarthak for Woodtech, and Warisan insignia by Asian Paints.

ID Symposium held speakers; Giulio Cappellini, Ambrish Arora, B V Doshi, Fumihiko Maki, Gurjit Singh Matharoo, Lidewij Edelkoort, Paola Navone, Patricia Uriquiola, Sebastian Wrong, Shimul Javeri Kadri, with a Pecha Kucha Wrap Session.

The week started with ID Satellite, at 5 design districts- Defence Colony, Lado Sarai, Meharchand Market, MG Road and Shahpur Jat.

