



Council Of Architecture Training Programme



In collaboration with

SRI VENKATESWARA COLLEGE OF ARCHITECTURE

Hyderabad

ENERGY CONSCIOUS URBAN FORM: Climatic Design of Urban Form and Energy Integration

Dates: 10th – 14th November, 2018 | Venue: SVCA, Hyderabad

SPEAKERS:

Ar. Gunjan Srivastava
Green Consultant, Hyderabad

Ar. Rajender Kumar
Architect, Urban designer,
Hyderabad

Dr. Vishal Garg
Professor, IIT Hyderabad

Dr. Avlokita Agarwal
Asso. Prof. IIT Roorkee

Mr. Chandra Shekar
Director, Genex Consultants,
Hyderabad.

CO-ORDINATED BY:
Prof. Kalpana Manchali

Principal, SVCA
contact: 9866389888

Co-coordinators:

Krishna Priya D
Asso. Prof, SVCA
Phone: 9160132299

K.S. Madhulika
Asst. Prof, SVCA
Phone: 7981587789

PREAMBLE:

Cities are responsible for two-thirds of global primary energy consumption. Urban areas all around are under transition in terms of land use changes, increased densities and increased built mass. Those serene neighbourhoods with independent residences are being replaced by multi-storeyed apartments creating traps of hot built environments.

Exploring the context of urban form and energy integration shall help as an efficient measures beyond the building scale in improving the energy performance of buildings in urban areas. Many energy models and techniques have been developed for this purpose in recent years. However, these models usually adopt the perspective of the building designer, they tend to consider buildings as self-defined entities, neglecting the importance of phenomena that occur at the urban scale.

Urban geometry affects urban microclimate. These changes in the urban environment result in modified energy consumption. Air pollution and noise are dependent on urban form, thus affecting the potential for natural ventilation via a behavioural mechanism. Despite the evident relationship between urban geometry and energy consumption, this link is generally neglected, possibly because of the complexity of the environmental processes involved.

OBJECTIVE:

To sensitise the fraternity towards energy consciousness at urban scale. In recent years there are many attempts to create awareness towards issues of green building concepts, sustainable design principle, passive solar architecture but urban built environments as whole also need to be climatically designed to save conserve and preserve energy.

COURSE OVERVIEW:

This training programme intends to explore with technical sessions the context of urban form and energy integration along with building level climatic design issues and also the following issues.

- Energy Simulation techniques and soft wares.
- Understanding Codes and Rating systems to design energy conscious built environments.
- Clustering for sustainability in built environments, Urban geometry, Urban fabric, Urban texture.
- Bioclimatic Landscape design and impact on energy consumption.
- Impact of local building byelaws and building materials on indoor /outdoor micro climates.
- Integrating HAVC systems for energy conservation.
- Manipulating Micro climates for energy conscious urban environment design.

REGISTRATION PROCESS

• Colleges who have registered with Council of Architecture under the Collaborative Training Programme by payment of training fees in advance, proportionate to their average intake, can nominate teachers to participate in this programme. The nominated teachers can register for this programme by filling up the attached google form and mailing back a scanned image of the application form duly authenticated by HOD/Principal on bhubaneshwar.coatrc@gmail.com, OR [COA, New Delhi](mailto:COA.New Delhi) and svca_ses@yahoo.com

OR
• The facility of accommodation on sharing basis, breakfast and dinner for five days can be availed of by payment of additional Rs.5,000/ per head along with the application charges.

OR
• Teachers/architects other than those nominated by schools of architecture, desirous of participating in this training programme, may register by filling up the attached google form and mailing it back along with a scanned image of receipt of online payment/bank challan towards registration fees on bhubaneshwar.coatrc@gmail.com, OR [COA, New Delhi](mailto:COA.New Delhi) and svca_ses@yahoo.com.

Registration fees : Rs. 10,000/- (without accommodation) / Rs.15,000/- (with accommodation)

Link for Application Form : <https://goo.gl/forms/wAW12hJKpVKBDGhp>

For Online Payment/Bank Challan : <https://www.onlinesbi.com/sbicollect/collecthome.htm?corpID=872531>

• Last date of Registration is 20th October 2018.

CONTACT:

Sri Venkateswara College Of Architecture,
Madhapur 86,HITEC City,
Hyderabad, Telangana 500081.
Phone: 040 2311 3699.
Email: svca_ses@gmail.com

Address for sending the hard copy of registration form and receipt of online payment.

Flat No - 502, Arcon Height, Off TIMES GURUKUL SCHOOL, Gohapatana
Bhubaneshwar - 751003 (Odisha)

Contact: 9437015399

Email : bhubaneshwar.coatrc@gmail.com

ENERGY CONSCIOUS URBAN FORM