SCHOOL OF HABITAT AAETI

SPONSORSHIPS AND DISCOUNTS AVAILABLE

RESIDENTIAL TRAINING PROGRAMME

CLIMATE RESILIENT CITIES

ADAPTIVE AND MITIGATIVE APPROACHES FOR A WARMING HABITAT

DATES: **SEPTEMBER 9-12, 2025**

LAST DATE FOR APPLYING: **AUGUST 31, 2025**

VENUE: **ANIL AGARWAL ENVIRONMENT TRAINING INSTITUTE (AAETI), TIJARA, RAJASTHAN**

Cities face immense vulnerability in the wake of climate change, with far-reaching consequences for infrastructure, lives and environmental well-being. A United Nations report warns that at 1.5°C warming, 2.3 billion people could suffer severe heat waves. The report also predicts a potential 4°C rise in warming in cities by century-end if greenhouse gas emissions persist at current levels. Elevated temperatures in cities can pose challenges such as heat-related illnesses, increased cooling energy demands, water shortages, and economic consequences. The dire situation is exacerbated by concretisation, shrinking of green spaces and waterbodies, lifestyle changes, and a shift towards air conditioning and cars.

There is an urgent need to tackle cities' heat-related challenges with the help of adaptive and mitigative measures. This can be done through modification of bye-laws, strategic planning, innovative building design, harnessing solar potential in buildings and public spaces, and integration of sustainable cooling systems, among others. These measures can play a key role in safeguarding public health, enhancing urban liveability, building resilience to climate change, and contributing to national climate goals.

Centre for Science and Environment (CSE) is offering a four-day training programme that will provide participants with holistic knowledge for designing climate-resilient and resource-efficient urban habitats. It will capture how better layout planning, optimisation of using green and blue infrastructure, incorporation of energy-efficient low-carbon techniques, transitioning towards renewable energy, and appropriate building design can -- together -- contribute to an enhanced urban environment and the overall well-being/liveability of its occupants.

SALIENT FEATURES OF THE COURSE

- **Cities and climate change:** Policy levers and opportunities
- Understanding the drivers of heat gains, reductions, sources and sinks in an urban context
- Leveraging remote sensing (RS) and Geographic Information Systems (GIS) to map heat-stressed areas and heat sinks
- Exploring measures to reduce heat and retrofit existing urban layouts
- **Introduction to low embodied carbon materials, design and construction:** traditional, hybrid and emerging technologies.
- Enabling thermal comfort to reduce operational energy in buildings.
- Energy Conservation and Sustainability Building Codes
- Integration of cooling strategies with master plans through cooling masterplan.
- Exploring the potential of renewable energy in urban settings

COURSE FEES

Rs 28,000

(sponsorships and discounts available subject to satisfactory fulfilment of application form)*

*Course fee includes tuition fee, external expert lecture sessions, training materials, boarding and lodging, and transport from New Delhi to AAETI and back.

TRAINING METHODOLOGY

Classroom lectures, case studies, class exercises, discussions, and field visit.

WHO CAN APPLY

Officials from urban local bodies and other government departments, planners, architects, academicans, professionals from the building industry and anyone interested to learn about urban resilience.

COURSE COORDINATOR

MS. SAYANI SEN
Programme Officer,
Sustainable Habitat Programme, CSE,
8240061255/7278204216,
sayani.sen@cseindia.org

COURSE DIRECTOR

RAJNEESH SAREEN
Programme Director,
Sustainable Habitat Programme, CSE,
rajneesh.sareen@cseindia.org

REGISTRATION HERE