



HUDCO's Human Settlement Management Institute
ITEC 2weeks Training Programme for Overseas Professionals



On

Making Cities Sustainable

ABOUT HUDCO AND HSMI

Housing and Urban Development Corporation Ltd. (HUDCO) was setup in 1970 by the Government of India to accelerate the pace of housing and urban development in the country. It is a Public Sector Undertaking under the Ministry of Housing and Urban Affairs, Govt. of India with more than 53 years of experience in providing loans for housing and urban infrastructure projects in India. HUDCO has established itself as a premier techno-financing company. Apart from the financing operations, HUDCO offers consultancy services, promotes research and studies related to urban development and supports the Govt. of India in its various housing and urban development related programmes and policies.

HUDCO's Human Settlement Management Institute (HSMI) is the research and training wing of HUDCO. HSMI provides training for professionals on a wide spectrum of issues of housing, urban and regional planning and development. HSMI has considerable experience of conducting short term training programmes. So far, it has imparted training to over 56,986 professionals through over 1832 nos. of programmes, including 55 MEA-ITEC physical programmes and 7 e-ITEC involving over 1281 overseas participants.

COURSE INTRODUCTION

HUDCO's Human Settlement Management Institute (HSMI) proposes to conduct Two weeks training course for overseas professionals from ITEC partner countries on the theme **"Making Cities Sustainable"**

PROGRAMME RATIONALE

In the coming decades, the urban sector will play a critical role in the structural transformation of the world economy and in sustaining the high rates of economic growth. With more than half of the global population now living in urban areas, cities are at the center of pressing challenges such as climate change, resource depletion, and social inequality. The rapid pace of urbanisation places immense pressure on infrastructure, natural resources, and ecosystems, making it crucial to rethink how cities are designed and managed. Ensuring high quality public services for all in the cities is a task in itself, but it will also facilitate the full realization of economic potential of any country. One of the most prominent features of sustainable cities is a focus on reducing their ecological footprint. This involves adopting practices that minimize environmental impact, particularly in the areas of energy use, water consumption, waste management, and transportation. Sustainable cities are essential for creating a livable, equitable, and resilient future for all. They represent a path forward that balances environmental stewardship, social well-being, and economic prosperity.

The training initiative aligns with the Government of India's programme such as the Smart Cities Mission, AMRUT (Atal Mission for Rejuvenation and Urban Transformation) and is crucial for equipping urban planners, policymakers, and community leaders with the skills needed to implement sustainable solutions. This training programme focuses on areas like green infrastructure, renewable energy, waste management, energy-efficient buildings, and inclusive urban planning.

AIM OF THE PROGRAMME

The aim of the training programme on **"Making Cities Sustainable"** is to equip urban planners, policymakers, and community leaders with the knowledge and skills necessary to create environmentally resilient, socially inclusive, and economically vibrant cities. Focused on key areas like green infrastructure, renewable energy, waste management, energy-efficient buildings, and inclusive urban planning, the programme seeks to foster a deep understanding of sustainable urban development practices. By building capacity in these critical areas, the programme aims to drive the implementation of sustainable solutions that address the evolving challenges of urbanization.

OBJECTIVES OF THE PROGRAMME

The objectives of the training programme are

- Understand principles of sustainable urban planning and design that promote efficient land use, green spaces, and community resilience.
- Educate participants on sustainable management of resources such as water, energy, and waste
- Explore sustainable transportation options, including public transit, cycling, and pedestrian-friendly infrastructure.
- Familiarise participants with the importance of involving local communities in sustainability initiatives and decision-making processes.
- Introducing innovative technologies and practices that enhance urban sustainability, such as smart city solutions
- Sustainable urban practices to reduce carbon footprint
- Understanding innovative financing models for funding green projects



PROGRAMME CONTENTS

The training programme will broadly cover a diverse range of themes / topics to provide participants with a comprehensive understanding of the concept and its implementation.

- The Role of Urban Planning in Achieving Sustainability
- Making Cities Water Positive
- Sustainable Waste Management
- Building Energy Positive Cities
- Sustainable Urban Mobility
- Role of Technology in Urban Sustainability
- Climate Adaptation and Resilience Planning
- Energy Efficient Building Solutions
- Community-Led Sustainability Initiatives
- Public-Private Partnerships (PPPs) in Green Infrastructure
- Innovative Financing Instruments for Green Infrastructure Projects

TARGET GROUP

TARGET GROUP - The course is specially designed for mid to senior level officers of government/ Private/ NGO sector engaged in the housing and urban development sector

ELIGIBILITY

Working professionals, consultants from government and non-government institutions, academicians and Researchers working in the field of Sustainability , housing and urban development sector. Preferred Age group is 25-45 years.

EXPECTED OUTCOMES

- Understanding the principles of designing cities that minimize environmental impact, optimize resources, and enhance quality of life.
- Participants gain a deep understanding of the importance of sustainable urban development and the potential impact of technology on city life.
- Gaining knowledge in managing urban resources like water, energy, waste, and green spaces to ensure long-term sustainability.
- Comprehensive insight about smart technologies, data analytics, and IoT (Internet of Things) for urban planning and management.
- Knowledge of sustainable transportation models such as electric vehicles, public transit, bike-sharing systems, and pedestrian-friendly infrastructure.
- Implementation of smart grids and energy-efficient systems.
- Enhancing and updating knowledge through discussion and interaction with sector experts
- Awareness on active ,passive and hybrid strategies to achieve thermal comfort in buildings

USP OF THE COURSE

The "Making Cities Sustainable" training program offers a specialized curriculum that integrates knowledge from diverse fields such as urban planning, infrastructure management, technology, economics, and social equity. It provides a comprehensive understanding of global sustainability challenges while emphasizing local contexts, enabling participants to create tailored solutions for their cities or regions. The program delves into emerging technologies and trends, including smart city innovations, green infrastructure, renewable energy integration, and circular economy models. It also highlights the importance of community engagement, participatory governance, and addressing the needs of vulnerable populations, equipping participants with the tools and expertise to implement innovative solutions that promote sustainable urban development.

COURSE ANNOUNCEMENT

HUDCO's Human Settlement Management Institute

**ITEC Two Weeks Training Programme for
Overseas Professionals on**

Making Cities Sustainable



Under ITEC

Sponsored by Ministry of External Affairs, Government of India

ABOUT THE PROGRAMME

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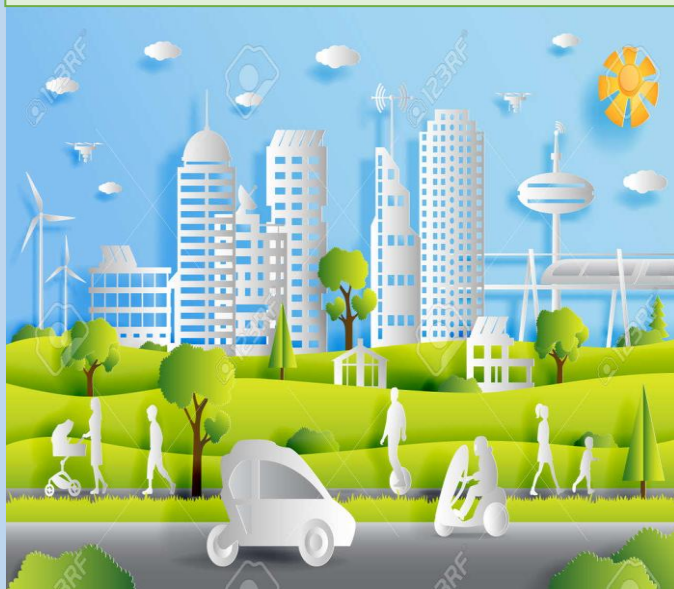
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DELHI WEATHER – November in Delhi brings pleasant post-monsoon weather, with temperatures ranging between approximately 19.2C to 31.8C. The city's landscapes remain lush and vibrant, making October an ideal month for travellers.

AIRPORT TRANSFER This institute arranges to receive the participants from the airport once the arrival details are received.

The arrival details may be sent to edt@hudco.org well in advance. The details of pick-up arrangements shall be informed through email. The person deputed to receive will have the placard flashing the name of the institute “HSMI” and shall be available outside the terminal.

The Institute’s Hostel Address where the participants will stay is: F-212, Asian Games Village Complex , Khelgaon Marg, New Delhi – 110 049.

In case of any problem in airport transfer, participants should contact the Institute’s Hostel.

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11 SUSTAINABLE CITIES AND COMMUNITIES



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- Innovative Financing Instruments for Green Infrastructure Projects

TECHNICAL PLATFORM - The course will be conducted in English.

Structured visits to projects relevant to the programme will be organised to impart practical experience to the participants in Delhi.

DETAILS OF MATERIAL/ LITERATURE TO BE BROUGHT BY PARTICIPANTS

Every attendee must deliver a presentation covering their country's profile, encompassing socio-economic aspects, urban planning and development, infrastructure planning and financing, smart city planning and other relevant topics aligned with the training theme.

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